

**BEFORE THE GUJARAT ELECTRICITY REGULATORY COMMISSION
GANDHINAGAR**

Petition No. ____ of 2024

IN THE MATTER OF:

Petition under Section 63 read with 86(1) (b) and other applicable provisions of the Electricity Act 2003 seeking for adoption of tariff discovered under tariff based competitive bidding process conducted by MGVCL vide RfS No. MGVCL/Project/DSM/PM-KUSUM-C-FLS/TN-7 Dtd.03.01.2024 for 33 Nos. of solar plants of total 76 MW, through RESCO model, for Solarization of various 11 KV feeders in MGVCL for implantation of FLS (Feeder Level Solarization) under PM KUSUM-C scheme of Government of India.

PETITIONER

MADHYA GUJARAT VIJ COMPANY LIMITED, VADODARA

PETITIONER MOST RESPECTFULLY SUBMITS THAT

1. Preamble

- 1) The Government of Gujarat (hereinafter referred to as "GoG") has notified the Gujarat Electricity Industry (Reorganization and Regulation) Act 2003 (herein after called as "Act") in May 2003 for the reorganization of the entire power sector in the State of Gujarat.
- 2) Pursuant to the Gujarat Electricity Industry Reorganization and Comprehensive Transfer Scheme, 2003 notified under the Gujarat Electricity Industry (Reorganization and Regulation) Act 2003, erstwhile Gujarat Electricity Board has been reorganized and its functions have been vested in different entities.
- 3) The activities of Generation, Transmission, Distribution, Bulk power purchase and supply undertaken by erstwhile Gujarat Electricity Board has been entrusted to separate seven functional entities. The generation activity is assigned to Gujarat State Electricity Corporation Ltd. (GSECL), the transmission activity is assigned to Gujarat Energy Transmission Corporation Ltd. (GETCO) and the distribution activity is assigned to four Distribution companies viz. Paschim Gujarat Vij Company Ltd. (PGVCL), Madhya Gujarat Vij Company Ltd. (MGVCL), Dakshin Gujarat Vij Company Ltd. (DGVCL) and Uttar Gujarat Vij Company Ltd. (MGVCL) - Petitioner. The function of Bulk purchase and Bulk sale of power is assigned to Gujarat Urja Vikas Nigam Ltd. (GUVNL) as per the re-organization scheme.
- 4) It is submitted that the present petition is filed **under Section 63 read with 86(1) (b) and other applicable provisions of the Electricity Act 2003** seeking approval of adoption of the tariff discovered under tariff based competitive bidding process for the PM KUSUM component - C FLS (Feeder Level Solarization) scheme conducted by the petitioner through RfS (Request for Solarization) No. MGVCL/Project/DSM/PM-KUSUM-C-FLS/TN-7 Dtd. 03.01.2024.



2. SUBMISSION: -

2.1 The Ministry of Power, Government of India, vide notification OM 32/645/2017-SPV Division dated 22/07/2019 has published "Guidelines for Implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme for installation of solar pumps and grid connected solar power plants, covering three components, viz.

- Component A: Decentralized Ground Mounted Grid Connected Renewable Energy (RE) based Power Plants of individual plant size up to 2.0 MW.
- Component B: Installation of standalone Solar Powered Agriculture Pumpsets
- Component C: Solarization of Grid-connected Agriculture Pumps which

Subsequently, Government of Gujarat vide notification dated 11/12/2020, 19/06/2020 and 6/11/2020 has issued GR for implementation of PM-KUSUM schemes under component A, B & C, which is attached herewith as **Annexure-A (colly.)**

Accordingly, the petitioner has been implementing the PM KUSUM schemes in the MGVL area.

Subsequently, the Ministry of New and Renewable Energy (MNRE), Government of India, vide Office Memorandum No. 32/645/2017- SPV Division, dated 4th December, 2020 has issued guidelines for implementation of **Feeder Level Solarization under component-C of PM-KUSUM Scheme.**

Brief highlights of the guidelines dated 4th December 2020 are as under:

- (a) Under the scheme, agriculture feeders already segregated or feeders having major agriculture load, may be solarized using installation of grid connected solar power plant to cater the annual power requirement of feeder(s).
- (b) The requirements of total annual power for an agriculture feeder will be assessed and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode / RESCO mode, which will supply solar power to those feeders.
- (c) Feeder level solar power plant may be installed to cater to the requirement of power for a single feeder or multiple agriculture feeders emanating from a Distribution Sub-Station (DSS) to feed power at 11 KV or at the higher voltage level side of the DSS depending upon the factors like availability of land, technical feasibility etc. and there is no cap of the capacity of solar power plant for feeder level solarization.
- (d) As per the guidelines, the cost of solar plant is benchmarked at Rs. 3.5 Crore/MW for the purpose of providing Capital Financial Assistance (CFA) of Rs. 1.05 Crore/MW. Under the scheme, solarization of agricultural pump sets of any capacity is allowed, however in case of pumps capacity above 7.5 HP, the CFA will be limited to solar capacity for 7.5 HP Pumps.
- (e) Guaranteed CUF: The solar capacity requirement for catering agricultural pump-sets load (with ceiling limit of 7.5 HP pump-sets) on the feeder for feeder level solarization shall be worked out considering fixed CUF (Capacity Utilization Factor) of 19% i.e., no deration permitted. The annual CUF will be calculated every year from 1st April of the year (COD for first year) to 31st March next year.



- (f) Subsequently, the Ministry of New and Renewable Energy (MNRE), Government of India, vide Office Memorandum No. 32/645/2017- SPV Division, dated 17-1-24 has issued comprehensive guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyan (PM-KUSUM) Scheme.



f (i):-PM-KUSUM-C FLS scheme - Progress so far for tenders TN-6:

Under the scheme, initially the MNRE, Government of India, vide letter 32/54/2018-SPV Division dated 18 May, 2022 has sanctioned the 39,332 nos. of quantity as well as vide letter 32/54/2018-SPV Division dated 05 August, 2022 has sanctioned the 2,60,668 nos. of quantity of existing agriculture pump-sets for state owned DISCOMs of GUVNL (Gujarat Urja Vikas Nigam Limited) to be solarized. Subsequent to this, GUVNL, vide letter dated 21st June, 2022 has conveyed allocation of 32,200 no. of Ag. pump sets to MGVCL and then after GUVNL vide letter dated 21st Sep-2023 has re-allocated these 32,200 nos. of Ag. pump sets with revised allocation to MGVCL with 3453 Ag. pump sets to invite tariff based competitive bid for various solar power plants under 66 KV sub-stations.

For this allocation of 3453 Ag. Pump sets, the petition under Section 63 read with 86(1) (b) and other applicable provisions of the Electricity Act 2003 seeking for adoption of tariff discovered under tariff based competitive bidding process conducted by MGVCL was filed earlier before Hon'ble GERC vide 2267 of 2023 (Tender no. MGVCL/RA&C/DSM/PM-KUSUM-C-FLS/TN-06) on dt.08.11.2023 in respect of accepted Lol for which first hearing scheduled on dt.22.12.2023 & second hearing scheduled on dt.25.10.2024 and for which ORDER is awaited.

The MNRE, vide order dtd.21-8-2024, extended validity of the sanctions order dtd. 18-5-2022 and dtd.05-8-2022 from 21-8-2024 to dtd.31-12-2025 for both the orders.

F (ii):-

Thereafter, the MNRE, Government of India, vide letter 32/54/2018-SPV Division-Part (1) dated 20-12-2023 has sanctioned additional 2,00,000 nos. of Ag. Pump sets to Gujarat state, i.e. state owned DISCOMs of GUVNL (Gujarat Urja Vikas Nigam Limited), and based on that GUVNL has allocated vide letter GUVNL/Tech/ Solar Cell / PM KUSUM-C / FLS/118, Dtd.23-01-2024 of 5,000 Ag. Pump sets to MGVCL and authorized MGVCL to invite the RFS to select SPG in line with the procedure followed / adopted in last tender. Further, MNRE, Government of India, vide letter 32/54/2018-SPV Division dated 20-08-2024 has sanctioned additional 1,00,000 nos. of Ag. Pump sets to Gujarat state, i.e. state owned DISCOMs of GUVNL (Gujarat Urja Vikas Nigam Limited), and based on that GUVNL has allocated vide letter GUVNL/Tech/ Solar Cell / PM KUSUM-C / FLS/1326, Dtd.15-10-2024 of 40,000 Ag. Pump sets to MGVCL by considering the quantity to be finalized or already finalized in last invited tenders by respective DISCOMs.

The scheme guideline and its amendments are enclosed herewith as **Annexure- B**





- ❖ Recently, the Joint Secretary, Ministry of New and Renewable Energy Govt. of India has issued D.O. letter vide no. 32/10/2021 SPV Division dtd.25th October 2024 to all DISCOMs & has been informed to complete the process of signing of PPAs under the allocated sanctions by 31st December 2024 in order to allow the projects to be finished before the sunset date of the scheme which is 31st March 2026 considering the time to be taken for all formalities and commissioning of the projects.

2.2 On the basis of above guideline, the petitioner has invited RFS (Request for Selection) tender TN-7 for setting up of solar power projects under RESCO model.

Brief of the RFS tender TN-7 are as under:

- (a) Petitioner conducted the tendering process and invited bids vide RfS No. MGVCL/Project/DSM/PM-KUSUM-C-FLS/TN-7, dtd.03/01/2024 through public notice in One Gujarati + One English All India edition + One Financial daily All India edition newspapers for design, survey, supply, installation, testing, commissioning, operation & maintenance for 25 years (unless extended beyond 25 years by both the parties on mutual agreement) from COD of grid connected feeder level solar power plants, its associated 11 KV line to connect the plant with concerned sub-station and RMS (Remote Monitoring System) of solar power plant through RESCO model for solarization of various 11 KV feeders of 66 KV substation in MGVCL area as per MNRE guideline (as e-mail) under PM-KUSUM scheme Component-C (Feeder Level Solarization) dated 10/02/2022 and its amendments received time to time.

Further, MGVCL has issued public notice in three National newspaper as under;

Sr No	RFS No	Date of Notice in Newspaper	Name of News papers
1	TN-7	07-01-2024	Loksatta Jansatta
2	TN-7	08-01-2024	Indian Express (all India edition)
3	TN-7	08-01-2024	The Economic Times (all India edition)

The Copies of the public notices of the tender are attached herewith at **Annexure-C (Colly.)** and MNRE guideline (as e-mail) at **Annexure - D (Colly.)**

List of solar power plants with detail of name of sub-station, nos of Ag. feeders, plant capacity in MW is published in RFS as per MNRE guidelines. Summary of plants published under TN-7 RFS is as under:

Sr No.	No. of Solar plants (66 KV Substations) against which bids invited	No. of 11 KV Ag. Dom Feeders covered	No. of grid connected Ag. Consumers covered having contracted load up to 7.5 HP	Aggregate Notified Solar Capacity of all plants (MW) after round off
1	80	260	99,740	134.5



(b) Salient feature of the tender TN-7:

1	Solar PV Plant technology	1) All components used for installation of solar power plants shall confirm to applicable BIS/MNRE specifications and follow quality control guidelines issued by MNRE. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells. 2) Further, the balance of system should also be manufactured indigenously. The vendor must declare the list of imported components used in the Solarization system. 3) MNRE will draw up a list of approved models and manufacturers after carrying the quality checks. When such a list is prepared only that equipment shall be allowed which is within the approved list. 4) To ensure the quality, inspection shall be carried out of the solar modules, inverter/controller, MMS, etc., during the installation of system and final commissioning of the system. Officers involved in inspection should be domain experts, properly trained and equipped with necessary tools for inspection. The SIA may engage a third-party inspection agency for this purpose. As per above, it will be mandatory to use domestically manufactured Solar PV cell, domestically manufactured solar PV modules with solar PV modules from ALMM only. Further, the following clarifications are issued by MNRE:- Solar PV cell: MNRE, vide Order dated 29-01-2024, has confirmed that the provision of requirement of indigenous solar cells (DCR) under component C (FLS) of the PM KUSUM scheme has already been relaxed till 31.03.2024. Subsequently, MNRE vide OM dated 14-02-2024 has clarified that the DCR exemption would be valid for all those Letter of Awards which have been issued on or before 31.03.2024. Solar PV Module and ALMM requirement: The technology adopted by SPG shall be in accordance with MNRE's Approved Models and Manufacturers of Solar PV Modules having PV Module from ALMM only. As per amendment by MNRE vide Office Memorandum No: 283/16/2023-GRID SOLAR, Dtd.10.03.2023 (Requirements for Compulsory Registration) Order, 2019, ALMM order is held in abeyance for one financial year, i.e. FY 2023-24. Thus Projects commissioned by 31.03.2024 will be exempted from the requirement of procuring Solar PV modules from ALMM, which is being re-imposed with effect from 1st April,2024 vide OM no.283/16/2023-GRID SOLAR, dtd.09-2-24 , subsequently, MNRE, vide OM dtd 15-02-2024, has conveyed that the O.M. of even no. dated 9th February, 2024) on the
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		subject issue, is hereby held in abeyance till further orders. However, Order/OM/clarifications issued/ to be issued by MNRE in this regard from time to time shall be applicable.
2	Project location & land arrangement	Project location: The location of the Solar Power project will be preferably within Five KM radius of the selected sub-stations in order to avoid high cost of evacuation line and losses. Project land: It shall be the responsibility of SPG to identify and arrange for required project land on ownership / lease basis. In case of lease land, the minimum period of lease agreement shall be such that it shall cover the 25 years of PPA and MGVL and/or Govt. assumes no responsibility in procuring / arranging for project land.
3	Delivery point	11 KV Bus of associated 66Kv/11kv substation.
4	Notified Solar Capacity	The notified solar capacity against each sub-station (i.e. for each bid) is as per Annexure 3 of RFS.
5	Bid capacity to participating in the bid	There shall be single bid for each selected sub-station. The bidder is allowed to bid for a minimum capacity of 0.5 MWp and maximum upto notified capacity for the respective Sub-station in multiple of 0.5 MWp.
6	Location wise project capacity	Irrespective of capacity bided for a given sub-station Sub-station, the solar project capacity at single location shall be minimum 0.5 MWp & maximum upto 4 MWp. The bidder shall have discretion to install solar power project at multiple location for bided capacity under the given bid considering the availability of land. It is to clarify that in case of bided capacity is more than 4 MW, the bidder is allowed to set up solar project for more than 4 MWp at single location subject to establishment of multiple 11 KV evacuation line & separate metering arrangement for each line considering limit of 4 MWp for 11 KV line.
7	Evacuation of Power & metering arrangement	The bidder shall be responsible to deliver the power upto 11 KV bus of selected 66/11 KV sub-station. The 11 KV evacuation line shall be constructed and maintained by the bidder during the tenure of PPA. The use of common 11 KV evacuation line for multiple projects and amongst multiple bidders shall be encouraged to optimize the resources. The summation of power from all line (upto 4 MW) will be feed to a single 11 KV Panel and the cost of the panel and related infrastructure at receiving sub-station end shall be borne by and among the generators through proportionate sharing basis. For metering purpose, the individual receiving end ABT Meters should be put up by the generator by erecting the CTPT Unit at SS Wall. In no case, evacuation at 66 KV voltage level shall be permitted.



8	Guaranteed CUF / min CUF	19% (fixed i.e. no deration permitted) CUF in a Year shall mean the ratio of the net output energy injected at delivery point of the SPV Power Plant in a Financial Year versus installed Project capacity x 365 x 24 (i.e. CUF = Cumulative Project output in kWh / (installed Project capacity in kWp x 24 x 365)) The annual CUF will be calculated every year from 1st April of the year (COD for first year) to 31st March next year. However, SPG can add additional DC capacity to maintain 19% CUF in a year, for the entire period of PPA subject to CEA approval, if required
9	Eligible CFA by MNRE	As per the new comprehensive guideline of the MNRE issued vide OM dated 17-01-2024, Following conditions is mentioned related to CFA :- a) Condition no. 6.4.3. (ii) The cost of installation of solar power plant for the purpose of CFA, will be notified by MNRE from time to time. The eligible CFA would be 30% of the cost of installation of the solar power plant of capacity. b) condition no. 6.4.5 (vii) The developer will get CFA @ 30% of the estimated cost of installation of solar power plant Thereafter, MNRE vide Order dtd 29-01-2024, MNRE has clarified that, the prevailing CFA under KUSUM Component -C FLS, i.e. Rs. 1.05 Cr./MW FOR General state would be valid till any update is announced by MNRE. Subsequently, MNRE vide OM dtd 14-02-2024 it is clarified that CFA of Rs. 1.05 Cr./MW would be valid for all those LOAs, till any further update is announced by MNRE. Bidders are informed to take note of the above new comprehensive guideline and subsequent amendments issued by MNRE for the feeder level solarization under component C of PM KUSUM Scheme while quoting the tariff rate in the bid. The conditions issued by MNRE time to time shall be applicable to the bidder. Under the RESCO mode, As per the MNRE Office Memorandum dtd.1-03-2024, Under the RESCO mode, the CFA will be released in three instalments as follows: i. First release of 30% of the eligible CFA shall be released on completion of 30% of the total work. ii. Second release of 30% of the eligible CFA shall be release on completion of 75% of the total work; and iii. Final release of 40% of the eligible CFA shall be released on the successful completion of the project. Further, Final instalment of 40% as per para iii. above shall be released through DISCOM on successful operation and performance of the solar plant for six months after the commissioning, with achievement of at least one month CUF



as per the minimum CUF agreed in PPA. The SIA need to submit PCR and other related documents, as prescribed by MNRE.

Also, vide OM 32/54/2018-SPV Division - Part (2) dtd 5.4.2024, MNRE have notified the detailed milestones for release of CFA under component C (FLS) of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) , which is as under;

30 % of CFA as First Instalment:

- Milestone Achieved : 30% of work
- Activities to be completed by the project Developer :
 - i) Letter of Award and signing of PPA by Project Developer with respective DISCOM
 - ii) Signing of EPC contract and releasing of advance to EPC contractor
 - iii) Encumbrance free land available for project with either copy of land record with developer ownership or copy of lease agreement
 - iv) Bay allocation letter received from DISCOM
 - v) ESCROW agreement, if financial assistance is obtained from FI/Banks.
 - vi) GST invoices of solar module inverters and transformer.
 - vii) Financial closure of the project
 - viii) 50% completion of preliminary civil work including foundation for module mounting structure etc.
- Release Mechanism :

The 30% CFA would be release to DISCOMs on submission of documents duly verified and signed by DISCOMs

The DISCOM shall transfer the CFA to the RPG/ Developer.

30% of CFA as Second Instalment:

- Milestone Achieved : 75% of work
- Activities to be completed by the project Developer :
 - i) Completion of preliminary civil work including foundation for module mounting structure etc.
 - ii) Receipt of Solar PV Module and solar inverters, at the project site.
 - iii) 75% completion of installation work of solar PV modules.
- Release Mechanism :

The Second Instalment would be released to the DISCOM

The DISCOM would transfer the funds to lender/financier in case the project is under financing, otherwise release to RPG/ Developer.

40% of CFA Final Instalment:



		➤ Milestone Achieved: 100% of work ➤ Activities to be completed by the project Developer: i) Instalment of 25% shall be release through DISCOM on completion of the plant commissioning. ii) 15% on successful performance of the solar plants for two months after the commissioning, with achievement of at least one month CUF as per the minimum CUF agreed in PPA. ➤ Release Mechanism: The Final Instalment would be released to the DISCOM. The DISCOM would transfer the funds to lender/ Financier in case the project is under financing, otherwise release to RPG/ Developer. SPG shall give an undertaking that he shall not sell power to any other party / buyer except the MGVL during the tenure of PPA. At any point of time during the tenure of PPA, if it is found that the SPG has sold power produced from the solar plant to other party / buyer, strict legal action will be initiated against such SPG, including stop deal or black list from Participation in future tender of MNRE in Gujarat and the SPG shall require to refund the proportionate CFA granted for the project by MNRE to MGVL. For the recovery of Proportionate CFA in case of default, the disbursed CFA will be divided by 25 years to arrive at CFA per year and the CFA shall be recovered for the balance period of PPA upon noticing the default. The recovery of the proportionate CFA will be made through the payments of invoices or through remedies taken in accordance with applicable laws. In case of any liquidation of assets of the solar power plants prior to completion of PPA period the first charge shall be towards recovery of the proportionate CFA granted to the project.
10	Mode of bid submission	All required documents are to be submitted in online mode only except documents required against payment of tender fee & earnest money deposit (EMD) etc. as specified in tender shall be required to submit in physical mode also.
11	Selection criteria	The bidder(s) shall be selected in ascending order of quoted tariff upto notified project capacity of the sub-station under bucket filling mode through reverse auction e-bidding. Say, a bidder who has quoted lowest tariff shall be awarded solar capacity for which bid is submitted and thereafter subsequent lowest bidder, and so on, till the notified capacity of given 66 KV Sub-station is exhausted.
12	Bid Validity	120 days from the date of opening of online Technical bid.
13	Performance Bank Guarantee (PBG)	Performance Bank Guarantee (PBG) of Rs. 5 Lakh / MW basis is required to be submitted to MGVL by the successful





	against commissioning	bidder upon issuance of Letter of Award by MGVL towards payment security mechanism for recovery of liquidated damages for delay in commissioning of solar power project beyond scheduled commercial operation date. The PBG will be returned to the SPG after successful commissioning of solar power plant within scheduled commercial operation date. The PBG shall be valid from the date of issue until 4 months beyond scheduled commercial operation date. It shall be responsibility of selected bidder to get the PBG extended, if required, such that it is valid till 4 months after date of commissioning of project.
14	Power Purchase Agreement (PPA)	PPA for a period of 25 years (unless extended by both the parties on mutual agreement) from the date of commercial operation of the project at a fixed quoted tariff shall be executed with successful bidder within 15 days from the date of issue of LOA.
15	MNRE Sanction & Validity & GUVNL Sanction & Validity	MNRE order vide 32/54/2018-SPV Division-Part (1), dtd.20-12-2023 has allocated 2,00,000 Ag. pump sets to state owned DISCOMs of GUVNL and validity of this sanction is up to dtd.19-12-2025 i.e. 2 years from date of this sanction and based on that GUVNL has allocated vide letter GUVNL / Tech/ Solar Cell / PM KUSUM-C / FLS/ 118, Dtd.23-01-2024 of 5,000 Ag. Pump sets to MGVL and further added that, if the available period between the date of LoA and dt.19-12-2025 is less than 12 months, the bidder has the option to withdraw their bid without any implications on either side.
16	Scheduled Commercial Operation Date	Within 12 months from date of issuance of LoA OR dtd.19-12-2025 whichever is earlier. However, if the available period between the date of LoA and dt.19-12-2025 is less than 12 months, the bidder has the option to withdraw their bid without any implications on either side.
17	Terms of PPA	25 years (unless extended by both the parties on mutual agreement) of O&M from the date of commercial operation date of the project
18	Metering and RMS	The solar power generator shall install Metering infrastructure and Remote Monitoring System (RMS) as per the philosophy explained in the Annexure-1 of RMS
19	The bidding criteria for each sub-station	There shall be single bid for selected sub-station by a bidder. Accordingly, bidder has to quote single fixed tariff for a given sub-station with minimum bid capacity of 0.5 MWp and maximum upto notified solar capacity for respective for the sub-station. The bidder can quote for a project capacity in multiple of 0.5 MW.
20	Computation of notified Solar capacity for selected sub-station:	As per the MNRE guideline for feeder level solarization, the Agricultural connection upto 7.5 HP is to be considered for computation of solar project capacity for availing CFA. In compliance to the same, the solar capacity mentioned against each selected Sub-station in the Annexure-3 covers all the AG feeders emanating from the substation covering AG consumers' load upto 7.5 HP. Thus, the notified solar capacity for the Sub-station is decided as aggregate of AG





	load upto 7.5 HP and AG consumer's load in excess of 7.5 HP is not considered while computing solar capacity against each Sub-station. Further, the aggregate capacity so arrived as per (a) above, is round off at lower side in multiple of 0.5 MW (say if the total capacity is worked out to 3.8 MW, the notified plant capacity is considered at 3.5 MW) so as to avoid extra cost of redundant capacity of transformer and inverter for the bidders.
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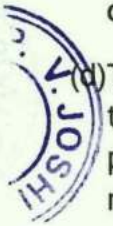
Project milestones and timeline

Sr. No.	Milestone	Timeline
1	Issuance of Letter of Intent (LoI) to the successful bidders -SPG	T1
2	Unconditional acceptance of LoI by successful Bidder	T1 + 7 days
<i>Petition will be filed by MGVCL before GERC for adoption of tariff discovered under e-reverse bidding process</i>		
3	Issuance of Letter of Award (LOA) to the successful bidder after adoption of tariff by GERC	T2
4	Unconditional acceptance of Letter of Award (LOA) by successful Bidder	T2 + 7 days
5	Signing of PPA between selected bidder (SPG) and MGVCL	T3 = T2 + 15 Days
6	Completion of design, supply, installation, testing and commissioning of the SPV power plant and associated 11V line for connecting solar power plant with concerned substation along with Submission of the final land documents for the entire required land duly registered by appropriate revenue authority	T2 + 12 Months OR dtd.19-12-2025, whichever is earlier However, if the available period between the date of LoA and dt.19-12-2025 is less than 12 months, the bidder has the option to withdraw their bid without any implications on either side.
7	Operation and maintenance of power plant and associated 11kV line	25 years from COD (unless extended by both the parties on mutual agreement)

(c) The basis of evaluation of the bids shall be the fixed tariff for 25 years in Rs. Per kWh quoted in the Price Schedule. It is further to clarify that all the costs, distribution losses up to the delivery point including applicable taxes (incl. GST and cess as applicable), duties, etc. pertaining to design, survey, supply, installation, testing, commissioning, operation & maintenance of grid connected solar power plant, its associated 11kV line to connect the plant with concerned substation and RMS of solar power plant, shall be borne by the successful bidder. Bidders are required to quote the tariff on firm price End cost and no price variation shall be



considered during the tenure of Power Purchase Agreement except Change in Law conditions provided in the Power Purchase Agreement.



(d) The tender documents (RFS and PPA) of above mentioned tender were published on the website of the petitioner for downloading the copy of the tender documents for participation in e-bidding procedure including e-reverse auction. Further, a pre-bid meeting was held at MGVL, Corporate office, Vadodara, on dated 10/01/2024 wherein, key bid parameters, provisions of RFS documents & timelines were discussed. Moreover, during the meeting, the petitioner addressed the queries raised by the prospective bidders. All the tender documents of MGVL including Amendments are annexed herewith as **Annexure-E (Colly)**.

(e) The last date of submission of bid in the tendering process was 25/01/2024 and the same were extended 10 times with a view to receive good participation. As per published tender, last date of bid submission was 25.01.24, scheduled date of EMD opening was 30.01.24, scheduled date of opening of technical bid was 01.02.24 and scheduled date of opening of price bid was 08.02.24. Amendments for time limit extension were given vide Amendment-1 was published on Dtd.25.01.24, Amendment-2 was published on Dtd.09.02.24, Amendment-3 was published on Dtd.29.02.24, Amendment-4 was published on Dtd.11.03.24 and Amendment-5 was published on Dtd.18.03.24, Amendment-6 was published on Dtd.30.03.24, Amendment-7 was published on Dtd.08.04.24, Amendment-8 was published on Dtd.20.04.24, Amendment-9 was published on Dtd.30.04.24, Amendment was published on Dtd.13.05.24. As per Amendment-10, last date of bid submission was 20.05.24, scheduled date of EMD opening was 21.05.24 (11:00 hrs), scheduled date of opening of technical bid is 29.05.24 and scheduled date of opening of price bid is 05.06.24.

The stage wise evaluation of tender TN-7:

1) Preliminary Stage :

- Opening of online EMD and Tender fee stage was done on Dt.21.05.24.
- On evaluation of Online and physical documents submission by the bidders of 150 bids were received out of which, 135 Nos. of bids from 41 bidders of 39 nos of plants were qualified for next stage of technical evaluation.
- 14 nos. of bids was not qualified due to Bank guarantee not submitted & 1no. bid not qualified due to EMD not paid. Total 15nos. bids not qualified.
- The detailed evaluation bid-committee report of preliminary stage is attached as an **Annexure-F (Colly)**.

2) Technical Stage :

- Opening of Technical stage was done on Dt.07.06.24.
- On evaluation of qualification criteria of Positive net worth of various bidders of 135 bids from 41 bidders, 14nos. of bids of 7 bidders were not qualified in technical stage evaluation.
- Total 121 bids from 34 bidders of 39 nos. of solar plants were qualified for next stage of price bid evaluation.
- The detailed evaluation bid-committee report of Technical stage is attached as an **Annexure-G (Colly)**.



3) Price bid Stage :

- Opening of Price bid stage was done on Dt.22.07.24.
- The Price bid were opened for eligible 121 bids from 34 bidders of 39 nos. of solar plants and after financial evaluation all 121 bids from 34 bidders of 39 nos. of plants are qualified for further tender process.
- The detailed evaluation bid-committee report of Price bid stage with plant wise online quoted price by bidders is attached as an Annexure-H (Colly).

The summary of above evaluation stages are as under;

Stage of evaluation	Solar Plants	Ag. Feeders	Ag. Consumers	Aggregate notified capacity MW	Eligible Bidders	Eligible Bids	Remarks
Tender	80	260	99,740	134.5	-	-	-
Bids received	44	145	59,781	102.5	42	150	Based on Form-3
Prelim bid	39	129	55,670	95.5	41	135	14 Nos of bids Disqualified due to Bank guarantee not submitted & 1no. Bid disqualified due to EMD not paid
Technical bid	39	129	55,670	95.5	34	121	14 nos of bids were disqualified
Price bid	39	129	55,670	95.5	34	121	All 121 nos. of bids price bid Opened
Total Eligible bids	39	129	55,670	95.5	34	121	-
Plants having more than Single Bid	28	99	45,296	78.5	30	110	Plants eligible for e-Reverse Auction
Plants having Single Bid	11	30	10374	17.0	4	11	Plants having Single Bid

The Details of tender, last date of bid submission as per RFS, No. of bids received, Technical bid opening date, E-reverse auction carried out are as under;

Sr No	Bid(RFS) No. MGVCCL/Project/DSM/PM-KUSUM-C-FLS/TN-7 (bid invitation date)	Total No. of Solar Plants for which bids were Invited	Total No. of Solar Plants against which bids were received (by due date)	Total No. of bids received (by due date)	Total No. of bids qualified in Preliminary and Techno-commercial Evaluation & their financial (Price) bids Were opened (with date of Open of Tech-bid)	Total No. of bids qualified in Financial (Price) Bid parameters and considered for further process (with date of Open of Price-bid)	As per the e-reverse auction the Plants(e-RA) who are qualified under the bidding process with no. of bids of bidder	Bids for which bid LOI issued based on consent received & having the Bid validity and no. of Lol Accepted
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TN-7 (03-01-2024)	80	44 (20-05-2024)	150 (20-05-2024)	121 (39 Plants) (07-06-2024)	121 (22-07-2024)	e-RA Plants: 28 Single bid in 11 plants (Plant wise Breakup of e-RA is as under)	Lol (issued from 03-10-24 to 25-10-24) Lol Issued : 116 bids Lol Accepted : 105 bids
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Sr. No.	Date of e-RA	Plant No. in Slot-1	Plant No. in Slot-2	Plant No. in Slot-3	Total No. plants in 5 days for e-RA
1	03-08-2024	43, 70, 98	50, 102, 110	55, 77, 83	28
2	05-08-2024	47, 49, 112	74, 116, 120	54, 75, 117	
3	06-08-2024	62, 71, 85	109, 111, 113	107, 119	
4	07-08-2024	48, 51	-	-	

4) E-reverse auction Stage :

- Out of 121 bids eligible for further tender process, there are 11 plants (total 30 bids) where single bid were received and there are 28 plants where more than one bid (total 99 bids) were received.
- E-reverse auction was done on Dtd.03.08.24, 05.08.24, 06.08.24 and Dtd.07.08.24 in respect of 28 plants having 99 bids.
- The detailed evaluation E-reverse auction committee report of E-reverse auction stage with e-reverse auction quoted price by bidders are attached as an Annexure-I (Colly).

5) Lol (Letter of Intent) Stage :

- After completion of e-reverse auction, the matter was put up before the MGVCCL's competent authority for further course of action i.e. issue of counter offer / Lol to the eligible bidders and as per approval of the MGVCCL competent authority, the matter was put up before the MGVCCL's 157th Board meeting on dtd.25-09-2024.
- The board of MGVCCL, vide Board resolution MGVCCL/CS/157th BM/2024/365, dtd.14-10-24 ; BM 157.20/2916 has resolved that,

The Board took note that GUVNL has approved in the previous tenders for accepting the bids having tariff rate up to Rs.3.00 per unit. Subsequently, Hon'ble GERC has approved and adopted the tariff received up to Rs.3.00 per unit in PGVCL & UGVCL for the similar tenders of PM-KUSUM Component-C Feeder Level solarization.

The Board also took note of the importance and urgency of the LOA to be placed by getting approval from the Hon'ble GERC for adoption of tariff.





After due deliberation, the Board passed the following resolution unanimously, "RESOLVED THAT the approval of the Board be and is hereby accorded for placing of Lol to various bidders in various plants as under;

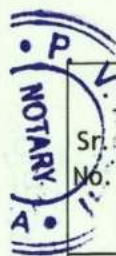
- (a) To issue Lol for the Solar plants Substations against which the tariff is received up to Rs. 3.00/- per unit.
- (b) To issue Lol to e-reverse auction L-1 bidders of 28 plants having more than one bid, at the rate of e-reverse auction L-1 rate of the plant OR Rs.3.00/- per unit, whichever is less.
- (c) To issue counter offer to other than "e-reverse auction L-1 bidders" of 28 plants having more than one bid, at the rate of "e-reverse auction L1 bidder's rate" of the plant OR the Rs. 3.00/- per unit, whichever is less for the remaining capacity in the bucket of the respective bid. On receipt of confirmation of acceptance of counter offered price, we may issue Lol as per the bucket filling mechanism till the notified capacity of the plants is exhausted as per RFS.
- (d) The negotiation be carried out with single bidders by the Committee consisting of Managing Director of MGVL, Shri K P Jangid (Director), Shri K M Shringarpure, Prof. Ajay Pandey, and Prof. S. Raman (Independent Directors).
- (e) To issue Lol to bidders of 11 plants having single bid, at the offered/negotiated rate OR Rs. 3.00/- per Unit, whichever is less. And for the remaining such plant where, Rate is higher than Rs 3.00/-, Consent to be asked by counter offer of Rs.3.00/- per unit. On receipt of confirmation of acceptance of counter offered price, to issue Lol.
- (f) After completing the Lol process, to file a petition before the Hon'ble GERC for adoption and approval of the tariff at the earliest.
- (g) The Board then authorized The Chief Engineers or Additional Chief Engineer are hereby severally authorized to issue the LOAs and sign the PPAs after approval of adoption of tariff by the Hon'ble Commission. "

Accordingly, as directed by the competent authority counter offer issued to 10nos. of single bidders bid for 10nos. of plants quoted more than Rs.3.00 per unit on dt.03-10-2024 from which 5nos. of single bidders accepted offer of Rs.3.00 per unit & 5nos. of single bidders rejected which was approved by the committee on dt.11-10-2024. Further, MGVL have proceeded for issuance of counter offer / Lol to remaining eligible 111 nos. of bids (1-Single bids + 110- Bucket bids with quoted tariff upto Rs.3.00 per unit) in phased manner in respect of 29 nos. of plants as per bucket filling mechanism from dtd.03-10-24 to 25-10-24. The summary of counter offer and Lol issued are as under;

Summary of counter-offer and Lol issued:

Sr. No.	Date of Counter Offer/Lol	Issue/Accepted	Counter Offer			Letter of Intent (Lol)			Total (Counter offer + Lol)		
			Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)	Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)	Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)
1	03-10-2024	Issued	10		10			0	10	0	10
		Accepted	5		5			0	5	0	5
2	15-10-2024	Issued		7	7		26	26	0	33	33
		Accepted		3	3		25	25	0	28	28





Sr. No.	Date of Counter Offer/Lol	Issue/Accepted	Counter Offer			Letter of Intent (Lol)			Total (Counter offer + Lol)		
			Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)	Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)	Single Bids (nos.)	Bucket Bids (nos.)	Total Bids (nos.)
3	25-10-2024	Issued		21	21	5	3	8	5	24	29
		Accepted				5	3	8	5	3	8
Total		Issued	10	28	38	5	29	34			
		Accepted	5	3	8	5	28	33			
		Rejected	5	25	30	0	1	1			

Overall Position of eligible Price bids:

Status of the bids	Bids (Nos.)
Lol Accepted	33
Lol Not accepted	01
Counter offer not accepted	30
Bucket capacity over	57
Total	121

As above, as per the approval of MGVCL's board, MGVCL has issued counter offer and Letter of Intent (Lol) in phased manner and out of total 116 nos of bids for which Lol issued, total 105 bids of 33 nos. of plants for which Lol accepted by various bidders.

The detailed evaluation committee report of Lol issuance / response from various bidders with copy of Lol issuance / Acceptance for 33 nos. of Lol accepted bids are attached as an **Annexure-J (Colly)**.

The summary of Rate slab at the end of e-reverse auction and after acceptance of Lol is as under;

The rate wise (Rs./KWH) summary of Lol Accepted bids & MW capacity thereof at the end of e-reverse auction and after the acceptance of Lol under TN-7 Tender is as under;

Sr. No.	Accepted Rate by Bidders (Rs. Per unit)	Nos. of Bids for which Lol Accepted by Bidders	Aggregate MW Capacity, for which Lol Accepted by Bidders
1	2.15	12	4
2	2.17	6	2
3	2.25	9	3
4	2.29	9	4
5	2.32	3	4
6	2.34	6	4
7	2.36	7	4
8	2.40	6	5
9	2.49	8	6.5
10	2.50	2	2.5
11	2.51	6	4.5
12	2.55	3	4
13	2.61	2	2
14	2.65	2	2.5





Sr. No.	Accepted Rate by Bidders (Rs. Per unit)	Nos. of Bids for which Lol Accepted by Bidders	Aggregate MW Capacity, for which Lol Accepted by Bidders
15	2.68	2	2.5
16	2.85	3	1
17	2.89	2	3
18	2.95	2	2
19	2.99	4	4
20	3.00	11	11.5
Total		105	76

The District wise status of plant wise- Bid wise status for Tender published, Participation received and Lol Accepted by the bidders are as under;

Sr. No.	District	Published		Participation received			Lol Accepted		
		No. of Plants	Aggregate Notified Solar Capacity in MW	No. of Plants	No. of Bids	Aggregate Solar Capacity in MW	No. of Plants	No. of Bids	Aggregate Solar Capacity in MW
1	Anand	3	1.5	0	0	0	0	0	0
2	Chhotaudepur	21	40.5	12	58	31.5	10	37	26.5
3	Dahod	6	6.5	1	2	2.5	1	2	2.5
4	Kheda	17	32	14	33	29.5	9	23	22
5	Mahisagar	15	28.5	11	44	24.5	10	37	18.5
6	Panchmahal	14	20	3	4	8.5	1	2	2.5
7	Vadodara	4	5.5	3	9	6	2	4	4
Total		80	134.5	44	150	102.5	33	105	76

- (f) The plant wise position of quoted tariff, tariff rate after e-reverse auction and final tariff rate accepted by the respective bidder for the plant as per accepted Lol by respective bidder are as under:

Sr. No.	Name of Substation	Name of Solar Plant	Name of Bidder	Notified Solar Plant Capacity in MW	Offered Plant Capacity by Bidder in MW	Bidder Quoted Rate (Rs./ Kwh)	Reverse Auction offered rate (Rs./ Kwh)	Overall Rate at the end of e-RA (Rs./ kwh)	Ranking after e-reverse auction	Lol Accepted by Bidders	
										Rate (Rs./ KWH)	MW Capacity
1	132kv Zoz	MG-FLS-SS-43	SAHAJ SOLAR LIMITED	2.0	2.0	3.35	2.95	2.95	RL-1	2.95	2.0
2	66kv Chaklashi	MG-FLS-SS-70	SAHAJ SOLAR LIMITED	2.0	2.0	3.45	3.03	3.03	RL-1	3.00	2.0
3	66kv Ghoghamba-B	MG-FLS-SS-98	SHREEJI SOLAR	2.5	2.5	3.45	3.43	3.43	RL-1	3.00	2.5
4	66kv Karath (Limdi)	MG-FLS-SS-102	ONIX-TECH RENEWABLE (INDIA) LLP	2.5	2.5	3.06	2.50	2.50	RL-1	2.50	2.5
5	66kv Kawant-B	MG-FLS-SS-50	SAHAJ SOLAR LIMITED	2.0	2.0	3.35	2.61	2.61	RL-1	2.61	2.0
6	66kv Movasa-B	MG-FLS-SS-110	SAHAJ SOLAR LIMITED	2.5	2.5	3.35	2.65	2.65	RL-1	2.65	2.5
7	66kv Palaiya	MG-FLS-SS-77	SAHAJ SOLAR LIMITED	2.5	2.5	3.45	2.68	2.68	RL-1	2.68	2.5
8	66kv Rendee	MG-FLS-SS-55	SAHAJ SOLAR LIMITED	2.5	2.5	3.35	3.15	3.15	RL-1	3.00	2.5
9	66kv Torna	MG-FLS-SS-83	SAHAJ SOLAR LIMITED	3.0	3.0	3.30	2.89	2.89	RL-1	2.89	3.0
10	66kv Bakor	MG-FLS-SS-112	PNV ENERGY PRIVATE LIMITED	1.0	1.0	4.00	2.85	2.85	RL-1	2.85	1.0



Sr. No.	Name of Substation	Name of Solar Plant	Name of Bidder	Notified Solar Plant Capacity in MW	Offered Plant Capacity by Bidder in MW	Bidder Quoted Rate (Rs./ Kwh)	Reverse Auction offered rate (Rs./ Kwh)	Overall Rate at the end of e-RA (Rs./ kwh)	Ranking after e-reverse auction	LoI Accepted by Bidders	
										Rate (Rs./ KWH)	MW Capacity
11	66kv Bhekhadiya	MG-FLS-SS-47	ONIX-TECH RENEWABLE (INDIA) LLP	2.5	2.5	3.09	2.51	2.51	RL-1	2.51	2.5
12	66kv Kawant-A	MG-FLS-SS-49	Pioneer Security Solutions Pvt Ltd	4.0	4.0	3.20	2.55	2.55	RL-1	2.55	4.0
13	66kv Malitadi	MG-FLS-SS-74	HELIOSNATURAL RENEWTECH PRIVATE LIMITED	2.5	2.5	3.81	2.49	2.49	RL-1	2.49	2.5
14	66kv Mota Khanpur	MG-FLS-SS-116	PNV ENERGY PRIVATE LIMITED	2.0	2.0	3.45	2.40	2.40	RL-1	2.40	2.0
15	66kv Naswadi	MG-FLS-SS-120	ONIX-TECH RENEWABLE (INDIA) LLP	3.0	3.0	3.07	2.40	2.40	RL-1	2.40	3.0
16	66kv Nirmali-A	MG-FLS-SS-75	ONIX-TECH RENEWABLE (INDIA) LLP	4.0	4.0	3.07	2.32	2.32	RL-1	2.32	4.0
17	66kv Ratanpur	MG-FLS-SS-54	RAGHUVIR DEVELOPERS AND BUILDERS	2.0	2.0	3.16	2.51	2.51	RL-1	2.51	2.0
18	66kv Salaiya	MG-FLS-SS-117	ONIX-TECH RENEWABLE (INDIA) LLP	2.0	2.0	3.05	2.36	2.36	RL-1	2.36	2.0
19	66kv Savli	MG-FLS-SS-62	BHARATBHAI KALABHAI BHARVAD	3.0	3.0	3.00	2.99	2.99	RL-1	2.99	3.0
20	66kv Vyasvasna	MG-FLS-SS-85	ONIX-TECH RENEWABLE (INDIA) LLP	2.0	2.0	3.10	2.36	2.36	RL-1	2.36	2.0
21	66kv Hamirpura (Bhailalkui)	MG-FLS-SS-71	ONIX-TECH RENEWABLE (INDIA) LLP	4.0	4.0	3.07	2.49	2.49	RL-1	2.49	4.0
22	66kv Varadhari	MG-FLS-SS-111	PNV ENERGY PRIVATE LIMITED	4.0	2.0	3.40	2.15	2.15	RL-1	2.15	2.0
23	66kv Debhari	MG-FLS-SS-113	PNV ENERGY PRIVATE LIMITED	3.0	2.0	3.35	2.17	2.17	RL-1	2.17	2.0
24	66kv Movasa-A	MG-FLS-SS-109	Pioneer Security Solutions Pvt Ltd	4.0	4.0	3.20	2.34	2.34	RL-1	2.34	4.0
25	66kv Limda Muvadi	MG-FLS-SS-107	PNV ENERGY PRIVATE LIMITED	3.5	2.0	3.50	2.15	2.15	RL-1	2.15	2.0
26	66kv Chalamali	MG-FLS-SS-119	Pioneer Security Solutions Pvt Ltd	3.0	3.0	3.20	2.25	2.25	RL-1	2.25	3.0
27	66kv Devmori (Ranglichokdi)	MG-FLS-SS-48	MECPOWER SOLUTIONS PRIVATE LIMITED	4.0	4.0	3.50	2.29	2.29	RL-1	2.29	4.0
28	66kv Anara	MG-FLS-SS-67	SHIV SALES	1.0	1.0	3.24	-	-	Single Bid	3.00	1.0
29	66kv Ankaliya	MG-FLS-SS-61	Vora Tirthraj Hareshbhai	1.0	1.0	2.99	-	-	Single Bid	2.99	1.0
30	66kv Limbadiya	MG-FLS-SS-108	PNV ENERGY PRIVATE LIMITED	0.5	0.5	4	-	-	Single Bid	3.00	0.5
31	66kv Panwad	MG-FLS-SS-53	ARIS SOLAR	1.5	1.5	4	-	-	Single Bid	3.00	1.5
32	66kv Ruppura	MG-FLS-SS-79	PAVAN INDUSTRIES	1.0	1.0	3.59	-	-	Single Bid	3.00	1.0
33	66kv Valakhedi	MG-FLS-SS-118	SHIV SHAKTI TRADERS	0.5	0.5	4	-	-	Single Bid	3.00	0.5
Total					76						





The present petition is filed by the petitioner to Hon'ble Commission, seeking for adoption of the tariff rate as per column K in the above table through discovered tariff under tariff based competitive bidding process held by the petitioner.

Upon adoption of discovered tariff, as per RFS, the milestones and timeline will be followed and LOA will be issued. Subsequently, PPA (Power Purchase Agreement) will be signed with above successful bidders. Draft copy of the PPA is attached herewith which is in line with the earlier petition No. 2267 of 2023 filed by MGVCIL to Hon'ble commission incorporating updated provisions of the MNRE Order 17-1-24 and subsequent OM/Orders of the MNRE related to CFA and timeline for commissioning of plant under PM KUSUM-C FLS scheme.

- 2.3 It is respectfully submitted that distribution companies are mandated to procure power from renewable energy sources as per the provisions of section 86 (1)(e) of the Electricity Act, 2003 and in terms of GERC (Procurement of Energy from Renewable Energy Sources) Regulations as amended from time to time, petitioner is required to procure power from renewable energy sources for meeting RPO obligation.
- 2.4 It is respectfully submitted that as per provisions of section 63 of the Electricity Act 2003 provides that appropriate commission shall adopt the tariff if such tariff has been determined through transparent process of bidding in accordance with the guidelines issued by the central government.
- 2.5 As per provisions of section 86 (1) of the Electricity Act 2003 provides that the State Commission shall discharge following functions namely -

Clause (b) - "regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State."

- 2.6 In the above background and in accordance with section 63 read with 86 (1) (b) of the Electricity Act 2003, the petitioner has filed present petition for adoption of tariffs discovered under tariff competitive bidding process for 33 nos. of solar power plants of total capacity of 76 MW for the period of 25 years, under PM KUSUM-C Feeder Level Solarization scheme of 11 KV Agricultural feeders, through RESCO model.
- 2.7 It is hereby submitted that Hon'ble commission has earlier issued daily order dtd.05-11-2024 in respect of tariff petition 2267 of 2023 of PM KUSUM-C FLS scheme for which pleading are completed and matter reserved for order. Petitioner has published the same PPA by incorporating appropriate Late payment surcharge provision during the tender process of this tender TN-7 incorporating updated provisions of the MNRE, necessary amendments were published related to CFA and timeline for commissioning of plant in respect of the prevailing MNRE OM/Orders of PM KUSUM-C FLS scheme. Draft PPA is attached herewith in **Annexure-K**.
- 2.8 The Additional documentation related to evaluation of tender no.TN-7 are attached here with in **Annexure-L (colly)**



3 PRAYER

The Petitioner most respectfully prays to the Hon'ble Commission that:

- (a) Hon'ble Commission may please to admit the present petition.
- (b) Recently, the Joint Secretary, Ministry of New and Renewable Energy Govt. of India has issued D.O. letter vide no. 32/10/2021 SPV Division dtd.25th October 2024 to all DISCOMs & has been informed to complete the process of signing of PPAs under the allocated sanctions by 31st December 2024 in order to allow the projects to be finished before the sunset date of the scheme which is 31st March 2026 considering the time to be taken for all formalities and commissioning of the projects. In this regard, Hon'ble commission may please requested to expedite the early hearing of the present petition for seeking adoption of tariff discovered under tariff based competitive bidding process under PM KUSUM-C Feeder Level Solarization scheme of MNRE, Government of India.
- (c) To adopt the tariff discovered under tariff based competitive bidding process under PM KUSUM-C Feeder Level Solarization scheme of MNRE, Government of India, conducted by the petitioner through tender RFS No. MGVCL/Project/DSM/PM-KUSUM-C-FLS/TN-7 dated 03-01-2024.
- (d) To approve the draft Power Purchase Agreement to be executed with the following successful bidder as per tender RFS No. MGVCL/Project/DSM/PM-KUSUM-C-FLS/TN-7 dated 03-01-2024 by issuing LoAs for the respective plant capacities at the accepted Lol rate as under:

Sr. No.	Name of Solar Plant	Name of Bidder	Offered Plant Capacity by Bidder in MW	Accepted Tariff Rate by Bidder (Rs./KWH)
1	MG-FLS-SS-43	SAHAJ SOLAR LIMITED	2.0	2.95
2	MG-FLS-SS-70	SAHAJ SOLAR LIMITED	2.0	3.00
3	MG-FLS-SS-98	SHREEJI SOLAR	2.5	3.00
4	MG-FLS-SS-102	ONIX-TECH RENEWABLE (INDIA) LLP	2.5	2.50
5	MG-FLS-SS-50	SAHAJ SOLAR LIMITED	2.0	2.61
6	MG-FLS-SS-110	SAHAJ SOLAR LIMITED	2.5	2.65
7	MG-FLS-SS-77	SAHAJ SOLAR LIMITED	2.5	2.68
8	MG-FLS-SS-55	SAHAJ SOLAR LIMITED	2.5	3.00
9	MG-FLS-SS-83	SAHAJ SOLAR LIMITED	3.0	2.89
10	MG-FLS-SS-112	PNV ENERGY PRIVATE LIMITED	1.0	2.85
11	MG-FLS-SS-47	ONIX-TECH RENEWABLE (INDIA) LLP	2.5	2.51
12	MG-FLS-SS-49	Pioneer Security Solutions Pvt Ltd	4.0	2.55



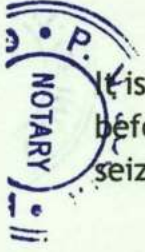


Sr. No.	Name of Solar Plant	Name of Bidder	Offered Plant Capacity by Bidder in MW	Accepted Tariff Rate by Bidder (Rs./KWH)
13	MG-FLS-SS-74	HELIOSNATURAL RENEWTECH PRIVATE LIMITED	2.5	2.49
14	MG-FLS-SS-116	PNV ENERGY PRIVATE LIMITED	2.0	2.40
15	MG-FLS-SS-120	ONIX-TECH RENEWABLE (INDIA) LLP	3.0	2.40
16	MG-FLS-SS-75	ONIX-TECH RENEWABLE (INDIA) LLP	4.0	2.32
17	MG-FLS-SS-54	RAGHUVIR DEVELOPERS AND BUILDERS	2.0	2.51
18	MG-FLS-SS-117	ONIX-TECH RENEWABLE (INDIA) LLP	2.0	2.36
19	MG-FLS-SS-62	BHARATBHAI KALABHAI BHARVAD	3.0	2.99
20	MG-FLS-SS-85	ONIX-TECH RENEWABLE (INDIA) LLP	2.0	2.36
21	MG-FLS-SS-71	ONIX-TECH RENEWABLE (INDIA) LLP	4.0	2.49
22	MG-FLS-SS-111	PNV ENERGY PRIVATE LIMITED	2.0	2.15
23	MG-FLS-SS-113	PNV ENERGY PRIVATE LIMITED	2.0	2.17
24	MG-FLS-SS-109	Pioneer Security Solutions Pvt Ltd	4.0	2.34
25	MG-FLS-SS-107	PNV ENERGY PRIVATE LIMITED	2.0	2.15
26	MG-FLS-SS-119	Pioneer Security Solutions Pvt Ltd	3.0	2.25
27	MG-FLS-SS-48	MECPOWER SOLUTIONS PRIVATE LIMITED	4.0	2.29
28	MG-FLS-SS-67	SHIV SALES	1.0	3.00
29	MG-FLS-SS-61	Vora Tirthraj Hareshbhai	1.0	2.99
30	MG-FLS-SS-108	PNV ENERGY PRIVATE LIMITED	0.5	3.00
31	MG-FLS-SS-53	ARIS SOLAR	1.5	3.00
32	MG-FLS-SS-79	PAVAN INDUSTRIES	1.0	3.00
33	MG-FLS-SS-118	SHIV SHAKTI TRADERS	0.5	3.00
Total			76	

- (e) The petitioner craves relief of the Hon'ble Commission to allow further submissions, prayers, additions and alterations to this petition as may be necessary from time to time.
- (f) Pass any other order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case, to avoid further delay and in the interest of justice.



DECLARATION



It is to declare that subject matter of the Petition has not been raised by the Petitioner before any other competent forum and that no other competent forum is currently seized of the matter or has passed any order in relation thereto.

Salunwa

Madhya Gujarat Vij Company Limited
-PETITIONER

Date: 25-11-2024

Place: Vadodara



**BEFORE THE GUJARAT ELECTRICITY REGULATORY COMMISSION
GANDHINAGAR**

Petition No. ____ of 2024

IN THE MATTER OF:

Petition under Section 63 read with 86(1) (b) and other applicable provisions of the Electricity Act 2003 seeking for adoption of tariff discovered under tariff based competitive bidding process conducted by MGVL vide RfS No. MGVL/Project/DSM/PM-KUSUM-C-FLS/TN-7 Dtd. 03.01.2024 for 33 Nos. of solar plants of total 76 MW, through RESCO model, for solarization of various 11 KV feeders in MGVL for implantation of FLS (Feeder Level Solarization) under PM KUSUM-C scheme of Government of India.

PETITIONER: Madhya Gujarat Vij Company Limited (MGVL)
Regd. & Corporate Office,
Sardar Patel Vidyut Bhavan,
Race Course, Vadodara- 390 007



AFFIDAVIT

I, Vechatbhai, son of Nathabhai, aged 55 years, residing at A-1/314, Vaishnavpark Society, In front of M M Vohra Showroom, Somatalav, Vadodara 390025, do solemnly affirm and state as under:

1. I am the In charge Additional Chief Engineer (RA&C) of Madhya Gujarat Vij Company Limited, the Petitioner above named and I am well conversant with the facts of the case and able to depose to the present affidavit.
2. I have gone through the contents of the accompanying Reply and I say that the contents stated therein are based on the records of the Respondent maintained in the normal course of business and believed by the deponent to be true.



V N Rathva
(V N Rathva)
I/c Additional Chief Engineer (RA&C)
MGVL
DEPONENT

VERIFICATION:

I, the deponent above named do hereby verify that the contents of my above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Verified at Vadodara on this 25th day of November, 2024.

V N Rathva
(V N Rathva)

I/c Additional Chief Engineer (RA&C)
MGVCL
DEPONENT



ATTEST
[Signature]
P. V. JOSHI
NOTARY



25

**Scheme for Decentralized
Ground/Stilt Mounted Grid
Connected Solar or other Renewable
Energy based Power Plants under
Component A of PM-KUSUM Scheme**

**Government of Gujarat
Energy and Petrochemicals Department
G. R. No: SLR/11/2020/Mini-185/B1
Sachivalaya, Gandhinagar
Date: 11/12/2020**

1. READ:

- 1) Energy & Petrochemicals Dept. G.R. No.SLR/11/2019/51/B1, Date: 06/03/2019.
- 2) MNRE,GoI's Order No. 32/645/2017-SPV DIVISION, Date: 08/03/2019.
- 3) MNRE,GoI's OM No. 32/645/2017-SPV DIVISION, Date: 22/07/2019.
- 4) MNRE,GoI's OM No. 32/54/2018-SPV DIVISION, Date: 13/08/2019.
- 5) MNRE,GoI's OM No. 32/645/2017-SPV DIVISION, Date: 31/12/2019.
- 6) MNRE,GoI's OM No. 32/645/2017-SPV DIVISION, Date: 13/11/2020.

2. PREAMBLE

The Government of Gujarat is committed for the development of renewable energy sector and more particularly solar power sector to curb the threats of effects of Climate Change and to provide clean and green energy for the future generations to come.

The State also aims to generate power on decentralized locations for its consumption locally as well as facilitating small investors to contribute in green energy generation through small scale solar power plants on decentralized basis.

The Central Government through its Ministry of New & Renewable Energy has launched Component-A of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM-KUSUM) scheme for Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy Power Plants.

It is aimed at developing decentralized Solar energy and other renewable energy generation Plants of capacity up to 2 MW which could be connected directly to existing sub-stations of State Utility, thus saving in transmission system requirement apart from T&D losses. Such plants near these sub-stations may be developed, preferably by farmers, giving them an opportunity to increase their income.

The Renewable Energy based Power Plants (REPP) under the scheme would be implemented primarily on barren, uncultivable, fallow, pasturelands and marshlands of farmers. Agricultural land is also permitted under the scheme provided that solar plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected. The RPG would be free to adopt any renewable energy source or technology while responding to the bid. However, in case of cultivable land with solar plants, the same may be installed on stilts, so that the farmers continue to cultivate the land, apart from getting the benefit of lease rent. In such a case DISCOM may also float bids (in case of specific substations) where setting up of solar projects on stilts may be mandatorily required, and bids for energy tariff invited accordingly.

3. RESOLUTION

Upon elaborate discussion and consultation with the concerned administrative departments of Government of Gujarat and various stakeholders, the State Government is pleased to announce that the Scheme for Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy Power Plants under Component A of PM-KUSUM Scheme is to be implemented in Gujarat state in consonance with MNRE's scheme guidelines and following terms and conditions:

1. The Solar Projects having size of 0.5 MW and above but not exceeding 2.00 MW installed and commissioned during the operative period of this Scheme shall qualify to be termed as "PM KUSUM-A PROJECTS" and be eligible for benefit of this Scheme. To support small farmers, the solar power projects smaller than 500 KW may be allowed based on techno-commercial feasibility.
2. REPP will be setup by individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/Water User associations (WUA) hereinafter called Renewable Power Generator (RPG).
3. In case of REPP being developed by a developer, the Net-Worth of the developer should not be less than Rs. 1.00 Crore per MW (of the capacity applied). This shall not be applicable for farmers cooperative or panchayats or Farmer Producer Organizations (FPO) /Water User associations (WUA) or farmers setting up REPP in their own lands.
4. Tariff applicable under this Scheme shall be as per following mechanism: The tariff contracted in the competitive bidding process conducted by GUVNL and adopted by GERC at which PPAs are signed for procurement of Solar Power from projects located outside Solar Park prevailing as on 31st March (computed based on simple average of such tariff discovered and contracted over six months ending on 31st March) of any given year *with an addition of* Rs. 0.20 per unit shall be the applicable tariff at which the PPAs shall be signed during the immediately succeeding period of April to September by DISCOMs with these Solar Projects under this Scheme and similarly the contracted tariff prevailing as on 30th September of any given year (computed based on simple average of such tariff discovered and contracted and adopted by GERC over six months ending on 30th September) *with an addition of* Rs. 0.20 per unit shall be the applicable tariff for PPAs to be signed during the immediately succeeding period of October to March. However, the above mechanism of applicable tariff shall be subject to approval of GERC and the DISCOMs shall take one time approval of GERC. The Rs. 0.20 per unit addition in tariff is allowed towards Rs.0.12 per unit for saving in transmission loss as power will be injected in distribution grid and Rs.0.08 per unit is to compensate for expensive land cost, higher capital investment and maintenance cost due to small size of projects.

As the mechanism to determine tariff applicable is same as the "Policy of Development of Small Scale Distributed Solar Projects - 2019". The tariff

applicable for projects under "Policy of Development of Small Scale Distributed Solar Projects - 2019" can be made applicable/adopted under the "PM KUSUM - A SCHEME" subject to approval of GERC.

5. The above mentioned tariff shall be applicable for a PPA term of 25 years from Commercial Operation Date of the Projects.
6. The REPP Project shall be developed preferably on the land within 5 km radius of the substation, in order to avoid cost of transmission line and reduce transmission losses. In case the farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) etc. are not able to arrange equity required for setting up the REPP, they can opt for developing the REPP through developer(s) which will be considered as RPG in this case. In such a case, the land owner will get lease rent as mutually agreed between the parties. The lease rent may be in terms of Rs per year per acre of land or in terms of Rs per unit energy generated per acre of land area. The farmer(s) may opt for payment of lease rent directly in their bank account by the DISCOM, from the payment due to the developer.
7.
 - a. **Notification of sub-station wise generation capacity**
GETCO shall assess and notify RE generation capacity that can be injected in to all 66/11 kV or 132/11 kV or 220/11 kV sub-station of rural areas and place such notification on its website for information of all stakeholders. To facilitate farmers willing to lease out their land for development of RE plants near above notified substation(s), as per provisions of this scheme, DISCOM may also place list of such farmers on their website. However, the leasing of land of any farmers will be a bi-partite agreement between the farmer and the developer and DISCOM will not be held responsible for failure in getting the land leased out to a developer. To meet additional demand DISCOM will augment the capacity of sub-station under IPDS or any other scheme.
 - b. **Expression of Interest (EoI) for Short-listing of RPG**
GEDA shall invite 66/11 kV or 132/11 kV or 220/11 kV sub-station wise EoI from RPG to participate in selection process for development of decentralized renewable power plants. The RPG shall submit their interest against the EoI as per the schedule notified by GETCO. An RPG will not be allowed to apply for more than one renewable power plant for a particular 66/11 kV or 132/11 kV or 220/11 kV sub-station. The EoI of an RPG will also be disqualified if it is found that its proprietor/partner/director/member has also filed EoI as proprietor/partner/director /member for another RPG for the same sub-station.
8. In case the total aggregate capacity of eligible applications received for a particular sub-station is less than or equal to the capacity notified for connectivity at the sub-station, LoA will be awarded to all eligible applicants for procurement of renewable power at a pre-fixed levelised tariff.

In case the total aggregate capacity of eligible application received for a particular sub-station is more than the capacity notified for connectivity at the sub-station, then DISCOM or any agency authorized by the DISCOM shall invite Bids from all these applicants, in such cases the prefixed levelised tariff will be the ceiling tariff for bidding. All eligible applicants will have to submit tariff bids within a prescribed time. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction as the case may be. LoA will be awarded to all successful bidders.

9. The DISCOM or any agency authorized by the DISCOM may request to submit non-refundable processing fee from the interested RPGs, which in no case shall be higher than Rs. 5000 per MW or part thereof of the capacity applied for.
10. Gujarat Energy Developer Agency (GEDA) shall be the State Government Nodal Agency for facilitation and implementation of this Scheme. The nodal agency will facilitate and assist the Project Developers to undertake the activities like registration of projects, responding to queries and problems of Developers of Power Projects, issuing Commissioning certificates etc.
11. The RPG shall provide the following Bank Guarantees to DISCOM as follows:
 - Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI.
 - Performance Bank Guarantee (PBG) of Rs. 5 Lakh/MW within 30 days from date of issue of Letter of Award.

The Bank Guarantees against EMD shall be returned to the selected RPG on submission of valid PBGs. The selected RPGs are required to sign PPA with the DISCOM in line with the timeline given in the Guidelines. In case, the selected RPG fails to execute the PPA within the stipulated time period, the Bank Guarantee equivalent to EMD shall be en-cashed by DISCOM as penalty. In case any bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected RPG(s). The PBGs shall be valid for a period of 12 months from the date of issue of LoA for the REPP. The PBG will be returned to the RPG immediately after successful commissioning of solar power plant, after taking into account any penalties due to delay in commissioning as per provisions stipulated in the Guidelines.

12. The selected RPG shall commission the solar power plant within twelve months from date of issuance of LoA. The DISCOM is obliged to purchase power from that commissioned REPP any time after the issuance of LoA. A Committee duly constituted by GEDA comprising of DISCOM and GEDA officials will physically inspect the Plant in not more than 03 days from the date of receiving a call from the RPG and GEDA shall certify successful commissioning of the plant. In case any RPG fails to achieve COD within the stipulated period of twelve months, DISCOM shall encash the Performance Bank Guarantee (PBG) in the following manner:
 - a. Delay up to two months - The PBG on per day basis and proportionate to the balance capacity not commissioned.

- b. In case the commissioning of the solar power plant is delayed over two months, the PPA capacity shall stand reduced / amended to the Project capacity commissioned at the end of 11th month from date of issuance of Letter of Award.

In case of delays of plant commissioning due to the reasons beyond the control of the RPG, DISCOM after having been satisfied with documentary evidences produced by the RPG for the purpose can extend the time for commissioning date without any financial implications to the RPG.

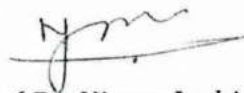
13. **Commercial Operation Date (COD)**
The Commercial Operation Date (COD) shall be considered as the actual date of commissioning of the solar power plant as declared by the Commissioning Committee.
14. **Release of Performance Based Incentive to DISCOM**
DISCOM would be eligible to get PBI @ Rs. 0.40 per unit purchased or Rs. 6.6 lakh per MW of capacity installed, whichever is less, for a period of five years from the COD from MNRE as mentioned in MNRE's guideline.
15. **Clearances required from the State Government and other local bodies**
The RPG is required to obtain necessary clearances as required for setting up the REPP.
16. The Central Electricity Authority (CEA), GoI has published Central Electricity Authority (Technical Standards for connectivity to the Grid) Amendment Regulations, 2013, specifying various technical requirements for grid connection of renewable energy sources. These regulations and provisions of Grid Code, as amended from time to time, shall be binding to the Power Projects.
17. Interconnection voltages for projects upto 2 MW shall be 11KV or 66 KV. The Interconnection voltages shall be governed as per GERC Regulations, as amended from time to time. However, the injection from MW Scale Projects shall be preferred directly in 66/132/220 KV Sub-station through a dedicated 11 KV feeder for better grid stability and reliability for injection of power.
18. Solar Project Developers shall be allowed to inject power at Interconnection Point, which shall be determined by DISCOM based on technical feasibility. The developers shall lay dedicated line at their own cost for evacuation of power up to Interconnection Point as per system study by DISCOM.
19. To optimize costs, Common dedicated evacuation line may be set up by a cluster of adjoining Developers with appropriate metering at their respective end of project as well as a common meter for such Project Developers at the Interconnection Point. Energy injection by each Solar Project at the receiving end shall be worked out on the basis of meter reading of common meter appropriately apportioned as

per the respective meter reading at the sending end meter of that Solar Project by DISCOM / SLDC / ALDC.

20. The electricity generated from the Solar Projects, shall be metered on 15-minute time block basis by DISCOM / ALDC / SLDC at Interconnection Point. For the purpose of energy accounting, solar generating projects shall provide ABT-compliant meters and RTUs at the interface points. Interface metering shall conform to the Central Electricity Authority (Installation and Operation of Meters) Regulations 2014 and amendment thereto. DISCOM / SLDC / ALDC shall stipulate specifications in this regard.
21. DISCOMs have to abide by the GERC Regulations and Orders from time to time. GERC has been deciding the overall RPO and sub-category wise procurement of Renewable energy Power from each Renewable energy Source. The DISCOMs shall buy Solar Power under this Scheme for meeting their RPO.
22. The Hon'ble Gujarat Electricity Regulatory Commission shall be guided by this Scheme while framing its rules, regulations and orders. The Solar Projects shall abide by the provisions of the GERC Regulation for forecasting and scheduling of Power Projects. The drawl of reactive power shall be charged as per the GERC order, as amended from time to time.
23. The Operation and Maintenance of dedicated evacuation line shall be carried out at the cost of the Project Developer as per applicable technical standards and best practices.
24. After commissioning of solar project, the installation shall not be allowed to be transferred inter se or from one location to another.
25. If there is any confusion or dispute about the meaning, intent or purpose of any provision of this Scheme, the interpretations given by Energy & Petrochemicals Department, Government of Gujarat shall be final and binding to all concerned.

This is issued with the concurrence of the Finance Department dated 12/10/2020 on the Department's file of even number.

By order and in the name of the Governor of Gujarat



(Dr. Nisarg Joshi)

Deputy Secretary to the Government

Copy To :-

- *The Principal Secretary to H.E. The Governor of Gujarat, Raj Bhavan, Gandhinagar.
- The Additional Chief Secretary to Hon. Chief Minister, Sachivalaya, Gandhinagar.
- The P.S. to Hon. Dy. Chief Minister, Sachivalaya, Gandhinagar.
- The P. S. to Hon. Minister (Energy), Sachivalaya, Gandhinagar.
- The P.S. to Hon. MoS (Energy), Sachivalaya, Gandhinagar.
- The Secretary, Ministry of Power, Govt. of India, Shram Shakti Bhavan, New Delhi.

- The Secretary, Ministry of New & Renewable Energy, CGO Complex, New Delhi.
- The Secretary, Central Electricity Regulatory Commission, New Delhi.
- The Chairman, Central Electricity Authority, New Delhi.
- The Joint Secretary to Chief Secretary, Sachivalaya, Gandhinagar.
- *The Secretary, GERC, Gift City, Gandhinagar.
- *The Registrar, Gujarat High Court, Ahmedabad.
- *The Secretary, Vigilance Commission, Gandhinagar.
- The Additional Chief Secretary, Finance Department, Sachivalaya, Gandhinagar
- The Principal Secretary, Climate Change Department, Sachivalaya, Gandhinagar
- *The Secretary, Gujarat Legislature Secretariat, Sachivalaya, Gandhinagar.
- The Resident Commissioner, Gujarat State, New Delhi.
- The Account General, Ahmedabad / Rajkot.
- All Departments of Secretariat, Sachivalaya, Gandhinagar.
- All Branches of Energy & Petrochemicals Department.
- The Chairman, Power Finance Corpo. Ltd. New Delhi.
- The Managing Director, Gujarat Power Corpo. Ltd., Gandhinagar.
- The Managing Director, Gujarat Urja Vikas Nigam Ltd., Vadodara.
- The Managing Director, Gujarat State Electricity Corpo. Ltd., Vadodara.
- The Managing Director, Gujarat Energy Transmission Corpo. Ltd., Vadodara.
- The Managing Director, Uttar Gujarat Vij Company Ltd., Mehsana.
- The Managing Director, Madhya Gujarat Vij Company Ltd., Vadodara.
- The Managing Director, Dakshin Gujarat Vij Company Ltd., Surat.
- The Managing Director, Paschim Gujarat Vij Company Ltd., Rajkot.
- The Director, Gujarat Energy Development Agency, Gandhinagar
- The Chief Electrical Inspector & Collector of Electricity Duty, Gandhinagar
- All Collectors.
- The Chief Executive Officer, Torrent Power Ltd., Lal Darwaja, Ahmedabad.
- Dy. Section Officer's select file.

***By Letter.**

**Amendments in the Scheme for Decentralized
Ground/Stilt Mounted Grid Connected Solar or
other Renewable Energy based Power Plants
under Component-A of PM-KUSUM Scheme**

Government of Gujarat

Energy and Petrochemicals Department

G. R. No: SLR/e-file/20/2022/0362/B1

Sachivalaya, Gandhinagar

READ:

Energy & Petrochemicals Dept. G.R. No. SLR/11/2020/Mini-185/B1 dtd 11/12/2020.

PREAMBLE:

Government of Gujarat has announced the Scheme for Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy (RE) based Power Plants under Component A of PM-KUSUM Scheme vide resolution dated 11/12/2020 for the development of renewable energy sector and more particularly solar power sector to curb the threats of effects of Climate Change and to provide clean and green energy for the future generations to come.

It has emphasized upon review of existing tariff mechanism under Component-A, as the Scheme is purely for the farmers' wherein plant size is very small up to 2 MW. So, the rate received for the Large Scale Solar plant may not be applied to very small scale plant to be set up by farmers.

Further, in line with guidelines issued by MNRE vide OM dated 22.07.2019 for implementation of Pradhan Mantri Kisan Suraksha evam Utthan Mahabhiyan Scheme, it was under consideration to permit Agriculture land to be used under this Scheme. Farmer can increase their income by utilizing their barren and uncultivable land for such projects. Cultivable land may also be used if the Solar Plants are set up on stilts where crops can be grown below the stilts and sell RE power to DISCOMs

RESOLUTION:

Upon elaborate discussion and consultation with the concerned administrative departments of Government of Gujarat and various stakeholders, the State Government is pleased to amend the Scheme for Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy Power Plants under Component A of PM-KUSUM Scheme as under:

Clause No. 2 is replaced as under:

REPP will be setup by individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/Water User associations (WUA) hereinafter called Renewable Power Generator (RPG).

The Solar Project registered under this Scheme does not require the conversion of land from Agriculture to Non- Agriculture for the purpose of this Scheme subject to, that the Solar Plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected.

Clause No. 4 is replaced as under:

"The Injected Power fed to the grid shall be purchased by the concerned DISCOMs/GUVNL at the Rs. 2.95 per Unit for the procurement of 500 MW of Renewable Power capacity under Component-A of PM-KUSUM, subject to the approval of GERC."

Clause no. 7 (b) is replaced as under:

GUVNL/DISCOM shall invite 66/11 kV or 132/11 kV or 220/11 kV sub-station wise EoI from RPG to participate in selection process for development of decentralized renewable power plants. The RPG shall submit their interest against the EoI as per the schedule notified by GETCO. An RPG will not be allowed to apply for more

File No: EPCD/SLR/e-file/20/2022/0362/B1 Section

Approved By: Shri Bhupendra patel sir(Chief Minister,Chief Minister,CMO)

Open the document in Adobe Acrobat DC to verify the E-sign



than one renewable power plant for a particular 66/11 kV or 132/11 kV or 220/11 kV sub-station. The EoI of an RPG will also be disqualified if it is found that its proprietor/partner/director/member has also filed EoI as proprietor/partner/ director /member for another RPG for the same sub-station.

Scheme for Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants under Component-A of PM-KUSUM Scheme vide G.R. No. SLR/11/2020/Mini-185/B1 dtd 11/12/2020 stands amended to this extent.

This is issued with the concurrence of the Revenue Department and Finance Department on the Department's file of even number.

By order and in the name of the Governor of Gujarat

Sign

Signed by: BHAKTI C SHAMAL
Organization Unit: Energy and
Petrochemicals Department
Organization Name:
GOVERNMENT OF GUJARAT
Date: 31-Jan-2023 (03:38 PM)

(Bhakti Shamal)

Deputy Secretary to Govt.

Energy & Petrochemicals Department

Copy To :-

1. *The Principal Secretary to the Governor of Gujarat, Raj Bhavan, Gandhinagar.
2. The Principal Secretary to Hon. Chief Minister, Sachivalaya, Gandhinagar.
3. The P. S. to Hon. Minister (Energy), Sachivalaya, Gandhinagar.
4. The Secretary, Ministry of Power, Govt. of India, Shram Shakti Bhavan, New Delhi.
5. The Secretary, Ministry of New & Renewable Energy, CGO Complex, New Delhi.
6. The Secretary, Central Electricity Regulatory Commission, New Delhi.
7. The Chairman, Central Electricity Authority, New Delhi.
8. The Joint Secretary to Chief Secretary, Sachivalaya, Gandhinagar.
9. *The Secretary, GERC, Gift City, Gandhinagar.
10. *The Registrar, Gujarat High Court, Ahmedabad.
11. *The Secretary, Vigilance Commission, Gandhinagar.
12. The Additional Chief Secretary, Finance Department, Sachivalaya, Gandhinagar
13. The Principal Secretary, Climate Change Department, Sachivalaya, Gandhinagar
14. *The Secretary, Gujarat Legislature Secretariat, Sachivalaya, Gandhinagar.
15. The Resident Commissioner, Gujarat State, New Delhi.
16. The Account General, Ahmedabad / Rajkot.
17. All Departments of Secretariat, Sachivalaya, Gandhinagar.
18. The Chairman, Power Finance Corpo. Ltd. New Delhi.
19. The Managing Director, Gujarat Power Corpo. Ltd., Gandhinagar.
20. The Managing Director, Gujarat Urja Vikas Nigam Ltd., Vadodara.
21. The Managing Director, Gujarat State Electricity Corpo. Ltd., Vadodara.
22. The Managing Director, Gujarat Energy Transmission Corpo. Ltd., Vadodara.
23. The Managing Director, Uttar Gujarat Vij Company Ltd., Mehsana.
24. The Managing Director, Madhya Gujarat Vij Company Ltd., Vadodara.
25. The Managing Director, Dakshin Gujarat Vij Company Ltd., Surat.
26. The Managing Director, Paschim Gujarat Vij Company Ltd., Rajkot.
27. The Director, Gujarat Energy Development Agency, Gandhinagar
28. The Chief Electrical Inspector & Collector of Electricity Duty, Gandhinagar
29. The Director, Torrent Power Ltd, Samanvay, 600, Tapovan, Ambavadi, Ahmedabad.
30. Dy. Section Officer's select file.

*By Letter.



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આ તોળામાં PM-KUSUM કોઓર્ડેશન-8 રૂઢત ડિજિટલ રાજ્યો MNRE દ્વારા સંક્રમણમાં 8000 રૂઢે અલગ સોલાર પંપ છાસામાં તારીખ ૧૫.૦૧.૨૦૨૦ માં ઉઠાઈ અંદરો અપાવમાં આવેલ છે.

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-: ଟିକିତା ଲାଗି ଲାମ୍ବ ଲାଗି / ଲାଗିଲାନାହିଁ

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‘ଢ଼ିଝିଝି ମାଧବୀର ହାତୀଗାଢ଼ି ଗାୟ’

· ୧୫୫ ·

ප්‍රාග්ධන ව්‍යවස්ථාපිත ක්ෂේත්‍රයේ සේවයේ යෙදවීමේදී ස්වයං-ප්‍රේමයෙන් සේවය කළ යුතු බවට ප්‍රජාවට අවබෝධයක් ඇතිවීමට අවශ්‍ය වේ. ප්‍රජාවට අවබෝධයක් ඇතිවීමට අවශ්‍ය වේ. ප්‍රජාවට අවබෝධයක් ඇතිවීමට අවශ්‍ය වේ. ප්‍රජාවට අවබෝධයක් ඇතිවීමට අවශ්‍ය වේ.

[illegible]

‘**፪፻፲፱ ዓ.ም. ስለፍጥነት ስለፍጥነት ስለፍጥነት**

[illegible]

ଜିନିଷ ମଧ୍ୟ ଗୋଟିଏ ମାଧ୍ୟମରେ ନୁହେଁ

[illegible]

‘‘ମୁଁ ଛାଡ଼ି ଦେଇ ଥିବି ଯଦି ତୁ ଛାଡ଼ି ନାହାନ୍ତି’’

[illegible]

Ի՞նչ Ե՞լի

(1931 34 12 10)

20

‘**ඒකම බවට පත්වීමේ ප්‍රවේශයේදී බෙදාහැරීමේදී බෙදාහැරීමේදී**

‘ହେଉ କାହାଣୀ ହୋଇଲେ ପାଠକ ‘ଇନ୍ଦ୍ରାଜିତ’ ହୋଇ
 ଯିବେ ପ୍ରାଣେହାସି ପ୍ରାଣେହାସି ପ୍ରାଣେହାସି ଯିବେ ପ୍ରାଣେହାସି ପ୍ରାଣେହାସି ଯିବେ (୧୫)

(9a) ଗୁମାସ୍ତ ଗୁଳାମ ଚାକର ସମସ୍ତ ମାମୁଲୀ କାମରେ ସମ୍ବଲପୁର ଗୁମାସ୍ତ ସଂଘ (MNR) ଆଇନ ଅନୁଯାୟୀ କାର୍ଯ୍ୟ କରିବାକୁ ଅନୁମତି ଦିଆଯାଉ।

'ହୋଇ ଲାଗିବେକ ପରିବର୍ତ୍ତନ କରାଯାଇ
 ଯେଉଁ ପ୍ରାୟୋଗିକ ଓ ଶିକ୍ଷା ଦିଆଯିବ ତାହା ଗ୍ରହଣ କରିବା ପାଇଁ ଲୋକମାନଙ୍କୁ ଯଥାସମ୍ଭବ ଶିକ୍ଷା ଦିଆଯିବ ଓ ଶିକ୍ଷା ଦିଆଯିବ
 ପ୍ରାୟୋଗିକ ଓ ଶିକ୍ଷା ଦିଆଯିବ ଓ ଶିକ୍ଷା ଦିଆଯିବ ଓ ଶିକ୍ଷା ଦିଆଯିବ ଓ ଶିକ୍ଷା ଦିଆଯିବ ଓ ଶିକ୍ଷା ଦିଆଯିବ (ବବ)

၂၉၁၀ နှစ်

11. (3) 2019 10 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1

‘**ՃՅՉԵ ՄՈՒԽԵՏ ԲԵՆ ԼՍՄՈՒՏ**’

1. 1980-81 2. 1981-82 3. 1982-83 4. 1983-84 5. 1984-85 6. 1985-86 7. 1986-87 8. 1987-88 9. 1988-89 10. 1989-90 11. 1990-91 12. 1991-92 13. 1992-93 14. 1993-94 15. 1994-95 16. 1995-96 17. 1996-97 18. 1997-98 19. 1998-99 20. 1999-00 21. 2000-01 22. 2001-02 23. 2002-03 24. 2003-04 25. 2004-05 26. 2005-06 27. 2006-07 28. 2007-08 29. 2008-09 30. 2009-10 31. 2010-11 32. 2011-12 33. 2012-13 34. 2013-14 35. 2014-15 36. 2015-16 37. 2016-17 38. 2017-18 39. 2018-19 40. 2019-20 41. 2020-21 42. 2021-22 43. 2022-23 44. 2023-24 45. 2024-25 46. 2025-26 47. 2026-27 48. 2027-28 49. 2028-29 50. 2029-30 51. 2030-31 52. 2031-32 53. 2032-33 54. 2033-34 55. 2034-35 56. 2035-36 57. 2036-37 58. 2037-38 59. 2038-39 60. 2039-40 61. 2040-41 62. 2041-42 63. 2042-43 64. 2043-44 65. 2044-45 66. 2045-46 67. 2046-47 68. 2047-48 69. 2048-49 70. 2049-50 71. 2050-51 72. 2051-52 73. 2052-53 74. 2053-54 75. 2054-55 76. 2055-56 77. 2056-57 78. 2057-58 79. 2058-59 80. 2059-60 81. 2060-61 82. 2061-62 83. 2062-63 84. 2063-64 85. 2064-65 86. 2065-66 87. 2066-67 88. 2067-68 89. 2068-69 90. 2069-70 91. 2070-71 92. 2071-72 93. 2072-73 94. 2073-74 95. 2074-75 96. 2075-76 97. 2076-77 98. 2077-78 99. 2078-79 100. 2079-80 101. 2080-81 102. 2081-82 103. 2082-83 104. 2083-84 105. 2084-85 106. 2085-86 107. 2086-87 108. 2087-88 109. 2088-89 110. 2089-90 111. 2090-91 112. 2091-92 113. 2092-93 114. 2093-94 115. 2094-95 116. 2095-96 117. 2096-97 118. 2097-98 119. 2098-99 120. 2099-00 121. 2100-01 122. 2101-02 123. 2102-03 124. 2103-04 125. 2104-05 126. 2105-06 127. 2106-07 128. 2107-08 129. 2108-09 130. 2109-10 131. 2110-11 132. 2111-12 133. 2112-13 134. 2113-14 135. 2114-15 136. 2115-16 137. 2116-17 138. 2117-18 139. 2118-19 140. 2119-20 141. 2120-21 142. 2121-22 143. 2122-23 144. 2123-24 145. 2124-25 146. 2125-26 147. 2126-27 148. 2127-28 149. 2128-29 150. 2129-30 151. 2130-31 152. 2131-32 153. 2132-33 154. 2133-34 155. 2134-35 156. 2135-36 157. 2136-37 158. 2137-38 159. 2138-39 160. 2139-40 161. 2140-41 162. 2141-42 163. 2142-43 164. 2143-44 165. 2144-45 166. 2145-46 167. 2146-47 168. 2147-48 169. 2148-49 170. 2149-50 171. 2150-51 172. 2151-52 173. 2152-53 174. 2153-54 175. 2154-55 176. 2155-56 177. 2156-57 178. 2157-58 179. 2158-59 180. 2159-60 181. 2160-61 182. 2161-62 183. 2162-63 184. 2163-64 185. 2164-65 186. 2165-66 187. 2166-67 188. 2167-68 189. 2168-69 190. 2169-70 191. 2170-71 192. 2171-72 193. 2172-73 194. 2173-74 195. 2174-75 196. 2175-76 197. 2176-77 198. 2177-78 199. 2178-79 200. 2179-80 201. 2180-81 202. 2181-82 203. 2182-83 204. 2183-84 205. 2184-85 206. 2185-86 207. 2186-87 208. 2187-88 209. 2188-89 210. 2189-90 211. 2190-91 212. 2191-92 213. 2192-93 214. 2193-94 215. 2194-95 216. 2195-96 217. 2196-97 218. 2197-98 219. 2198-99 220. 2199-00 221. 2200-01 222. 2201-02 223. 2202-03 224. 2203-04 225. 2204-05 226. 2205-06 227. 2206-07 228. 2207-08 229. 2208-09 230. 2209-10 231. 2210-11 232. 2211-12 233. 2212-13 234. 2213-14 235. 2214-15 236. 2215-16 237. 2216-17 238. 2217-18 239. 2218-19 240. 2219-20 241. 2220-21 242. 2221-22 243. 2222-23 244. 2223-24 245. 2224-25 246. 2225-26 247. 2226-27 248. 2227-28 249. 2228-29 250. 2229-30 251. 2230-31 252. 2231-32 253. 2232-33 254. 2233-34 255. 2234-35 256. 2235-36 257. 2236-37 258. 2237-38 259. 2238-39 260. 2239-40 261. 2240-41 262. 2241-42 263. 2242-43 264. 2243-44 265. 2244-45 266. 2245-46 267. 2246-47 268. 2247-48 269. 2248-49 270. 2249-50 271. 2250-51 272. 2251-52 273. 2252-53 274. 2253-54 275. 2254-55 276. 2255-56 277. 2256-57 278. 2257-58 279. 2258-59 280. 2259-60 281. 2260-61 282. 2261-62 283. 2262-63 284. 2263-64 285. 2264-65 286. 2265-66 287. 2266-67 288. 2267-68 289. 2268-69 290. 2269-70 291. 2270-71 292. 2271-72 293. 2272-73 294. 2273-74 295. 2274-75 296. 2275-76 297. 2276-77 298. 2277-78 299. 2278-79 300. 2279-80 301. 2280-81 302. 2281-82 303. 2282-83 304. 2283-84 305. 2284-85 306. 2285-86 307. 2286-87 308. 2287-88 309. 2288-89 310. 2289-90 311. 2290-91 312. 2291-92 313. 2292-93 314. 2293-94 315. 2294-95 316. 2295-96 317. 2296-97 318. 2297-98 319. 2298-99 320. 2299-00 321. 2300-01 322. 2301-02 323. 2302-03

ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ 'ପ୍ରାନ୍ତ' ଓ 'ପ୍ରାନ୍ତ' ଟିକି -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -
 ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ - ପ୍ରାନ୍ତ ପାଠ୍ୟ ପୁସ୍ତକ -

રાજ્યમાં પ્રધાન મંત્રી કિસાન ઉર્જા સુરક્ષા એવમ
ઉત્થાન મહાભિયાન (PM-KUSUM) યોજનાના
કોમ્પોનન્ટ-B હેઠળ સ્ટેન્ડ એલોન ઓફ ગ્રીડ
સોલાર ઉર્જા સંચાલિત સિંચાઈ પંપ સેટ્સ
ઉપલબ્ધ કરાવવાની યોજના અંગે સુધારા
કરાવ બહાર પાડવા બાબત

ગુજરાત સરકાર

ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ

કરાવ ક્રમાંક : SLR/૧૧/૨૦૨૦/૧૧૪૪/બ૧

સચિવાલય, ગાંધીનગર

તારીખ: ૧૬/૧૧/૨૦૨૧

વંચાણે લીધા:

- ૧) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૨૫.૦૯.૨૦૧૪નો કરાવ ક્રમાંક: બજટ-૨૦૧૪-૧૪૪૭-ક૧
- ૨) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૨૬.૦૯.૨૦૧૪નો કરાવ ક્રમાંક: બજટ-૨૦૧૪-૧૪૪૭-ક૧
- ૩) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૨.૦૨.૨૦૧૫નો કરાવ ક્રમાંક: બજટ-૨૦૧૪-૧૪૪૭-બ
- ૪) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૧૯.૦૨.૨૦૧૫નો કરાવ ક્રમાંક: બજટ-૨૦૧૪-૧૪૪૭-બ
- ૫) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૨૭.૦૫.૨૦૧૬નો કરાવ ક્રમાંક : બજટ-૨૦૧૪-૧૪૪૭-બ
- ૬) મીનીસ્ટ્રી ઓફ ન્યુ એન્ડ રીન્યુએબલ એનર્જી (MNRE) વિભાગનો હુકમ ક્રમાંક : ૩૨/૬૪૫/૨૦૧૭-
એસપીવી ડીવીજન તા-૮.૦૩.૨૦૧૯
- ૭) MNRE વિભાગની કચેરી યાદી ક્રમાંક : ૩૨/૬૪૫/૨૦૧૭-એસપીવી ડીવીજન તા-૨૨.૦૭.૨૦૧૯
- ૮) MNRE વિભાગની કચેરી યાદી ક્રમાંક : ૩૨/૫૪/૨૦૧૮-એસપીવી ડીવીજન તા-૧૩.૦૮.૨૦૧૯
- ૯) MNRE વિભાગની કચેરી યાદી ક્રમાંક : ૩૨/૬૪૫/૨૦૧૭-એસપીવી ડીવીજન તા-૧૯.૦૮.૨૦૧૯
- ૧૦) MNRE વિભાગનો હુકમ ક્રમાંક : ૩૨/૫૪/૨૦૧૮-એસપીવી ડીવીજન તા-૧૫.૦૧.૨૦૨૦
- ૧૧) MNRE વિભાગનો પત્ર ક્રમાંક : ૩૨/૫૪/૨૦૧૮-એસપીવી ડીવીજન તા-૫.૦૨.૨૦૨૦
- ૧૨) MNRE વિભાગનો પત્ર ક્રમાંક : ૩૨/૫૪/૨૦૧૮-એસપીવી ડીવીજન તા-૭.૦૫.૨૦૨૦
- ૧૩) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૧૯.૦૬.૨૦૨૦નો કરાવ ક્રમાંક: બજટ-૨૦૧૪-૧૪૪૭-બ૧
- ૧૪) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા- ૨૫.૧૦.૨૦૨૧નો કરાવ ક્રમાંક: REN/૧૧/૨૦૨૧/
૧૭૫૩/બ૧

પ્રસ્તાવના:

રાજ્ય સરકારના વંચાણે લીધા ક્રમાંક (૧૩) થી રાજ્યના ખેડૂતોના સામાજિક આર્થિક ઉત્કર્ષ માટે “પ્રધાનમંત્રી કિસાન ઉર્જા સુરક્ષા એવમ ઉત્થાન મહાભિયાન યોજનાના કોમ્પોનન્ટ-બી” હેઠળ

સ્ટેન્ડ અલોન ઓફ ગ્રીડ સોલાર ઉર્જા સંચાલિત સિંચાઈ પંપ સેટ્સ ઉપલબ્ધ કરાવવાની યોજનામાં અમલમાં મૂકવામાં આવેલ છે.

વધુમાં, રાજ્યમાં વન વિસ્તારના કૃષિ વીજ જોડાણ માટેની સામાન્ય (SPA) યોજના અને આદિજાતિ (TASP) યોજનાના અરજદારોને કે જેમને હયાત ગ્રીડથી પરંપરાગત વીજ જોડાણ આપવું વળતર વનીકરણ ચાર્જીસ અને એન.પી.વી. (નેટ પ્રેસેન્ટ વેલ્યુ)ની રકમના વધારાના ખર્ચને કારણે ટેકનો-કોમર્શીયલ વાયેબલ ન હોય તેવા દૂર-સુદૂર વિસ્તારના અરજદારોને તથા વળતર વનીકરણ ચાર્જીસ માટેની પ્રોસેસને લીધે અરજદારને વીજ જોડાણ આપવામાં વિલંબ ના થાય તે બાબત રાજ્ય સરકારની વિચારણા હેઠળ હતી.

સુધારા ઠરાવ:

આથી રાજ્ય સરકાર દ્વારા સઘન વિચારણા બાદ વંચાણે લીધેલ ક્રમાંક: (૧૩) ના ઠરાવની જોગવાઈમાં જૂની શરત નં. E માં નીચે મુજબનો સુધારો કરવામાં આવે છે:

નવી શરત નં. E

- (i) આ યોજનામાં લાભાર્થીને કુલ સીસ્ટમ ખર્ચના ૩૦% રકમ કેન્દ્ર સરકારની સહાય (CFA) તરીકે, ૩૦% રકમ રાજ્ય સરકારની સહાય (સબસીડી) તરીકે આપવામાં આવશે અને બાકીની ૪૦% રકમ લાભાર્થી એટલે કે ખેડૂતે ભોગવવાની રહેશે.

ઉપરોક્ત સબસીડી/CFA ૭.૫ હો.પા. ની ક્ષમતા સુધીના પંપસેટ માટે મર્યાદિત રહેશે. ૭.૫ હો.પા. થી ઉપરની ક્ષમતાના પંપસેટ માટે ૭.૫ હો.પા. ના પંપસેટને મળવા પાત્ર સબસીડી લાગુ પડશે અને તફાવતની રકમ લાભાર્થીએ ભરવાની રહેશે.

- (ii) વન વિસ્તારના કૃષિ વીજ જોડાણ માટેની સામાન્ય (SPA) યોજનાના અરજદારો કે જેમને હયાત ગ્રીડથી પરંપરાગત વીજ જોડાણ આપવું ટેકનો-કોમર્શીયલ વાયેબલ ન હોય તેવા દૂર-સુદૂર વિસ્તારના અરજદારોને સૌર ઉર્જા સંચાલિત કૃષિ સિંચાઈ પંપ સિસ્ટમ આપવા માટે, અરજદાર દ્વારા PM-KUSUM Component-B યોજના હેઠળ નિયમ અનુસાર ભરપાઈ કરવાના ફાળાના બદલે માનનીય ગુજરાત વિજ નિયમન પંચ મુજબ ફીક્સ કોસ્ટ મુજબનો ફાળો ભરપાઈ કરવાનો રહેશે, જ્યારે સદર રકમનો તફાવત રાજ્ય સરકારશ્રી દ્વારા વધારાની સબસીડી રૂપે PM-KUSUM Component-B યોજના હેઠળ આપવામાં આવશે તથા કૃષિ વીજ જોડાણ માટેની આદિજાતિ (TASP) યોજનાના અરજદારોને કોઈ ફાળો ભરપાઈ કરવાનો રહેશે નહિ.

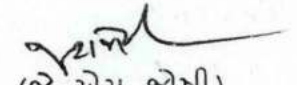
વધુમાં, વન વિસ્તારમાં ખાનગી જમીન (રેવન્યુ લેન્ડ) ધારક લાભાર્થી ઉપરાંત વન અધિકાર અધિનિયમ, ૨૦૦૬ (Forest Right Act, 2006) અંતર્ગત જે વનવાસીઓને વન જમીન ઉપર

વ્યક્તિગત દાવા મંજૂર કરી ખેડાણના હક્કો આપવામાં આવ્યા છે, તેવા લાભાર્થીઓને ઉપરોક્ત લાભ આપવામાં આવશે.

વંચાણે લીધેલ ક્રમાંક : (૧૩) ના ઠરાવની તથા (૧૪) ના સુધારેલ ઠરાવની અન્ય શરતો તથા બોલીઓ અને અન્ય વિગતો યથાવત રહેશે.

આ ઠરાવ આ વિભાગની સમાન ક્રમાંકની ફાઈલ ઉપર નાણા વિભાગની તા. ૧૩/૧૦/૨૦૨૧ ની નોંધથી આપેલ અનુમતિ અન્વયે બહાર પાડવામાં આવે છે.

ગુજરાત રાજ્યના રાજ્યપાલશ્રીના હુકમથી અને તેમના નામે,


(જે. એસ. જોષી)
નાયબ સચિવ

ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ

પ્રતિ,

- માન. રાજ્યપાલશ્રીના અંગતસચિવશ્રી, રાજભવન, ગાંધીનગર
- માન. મુખ્યમંત્રીશ્રીના અંગતસચિવશ્રી, સચિવાલય, ગાંધીનગર
- માન. મંત્રીશ્રી (ઉ. અને પે.)ના અંગતસચિવશ્રી, સચિવાલય, ગાંધીનગર
- માન. રાજ્યકક્ષાના મંત્રીશ્રી (ઉ. અને પે.) ના અંગતસચિવશ્રી, સચિવાલય, ગાંધીનગર
- સર્વે માન. મંત્રીશ્રીઓના અંગતસચિવશ્રી, સચિવાલય, ગાંધીનગર
- સર્વે માન. રાજ્યકક્ષાના મંત્રીશ્રીઓના અંગતસચિવશ્રી, સચિવાલય, ગાંધીનગર
- મુખ્ય સચિવશ્રીના સંયુક્ત સચિવશ્રી, સચિવાલય, ગાંધીનગર
- અગ્ર સચિવશ્રી (ઉ.પે.વિ.) ના અંગત સચિવશ્રી, સચિવાલય, ગાંધીનગર
- અગ્ર સચિવશ્રી (નાણા) ના અંગત સચિવશ્રી, નાણા વિભાગ, સચિવાલય, ગાંધીનગર
- મેનેજીંગ ડાયરેક્ટરશ્રી, ગુજરાત ઉર્જા વિકાસ નિગમ લીમીટેડ, વડોદરા
- મેનેજીંગ ડાયરેક્ટરશ્રી, ઉત્તર ગુજરાત વીજ કંપની લીમીટેડ, મહેસાણા
- મેનેજીંગ ડાયરેક્ટરશ્રી, પશ્ચિમ ગુજરાત વીજ કંપની લીમીટેડ, રાજકોટ
- મેનેજીંગ ડાયરેક્ટરશ્રી, દક્ષિણ ગુજરાત વીજ કંપની લીમીટેડ, સુરત
- મેનેજીંગ ડાયરેક્ટરશ્રી, મધ્ય ગુજરાત વીજ કંપની લીમીટેડ, વડોદરા
- નિયામકશ્રી (ટેક), ગુજરાત ઉર્જા વિકાસ નિગમ લીમીટેડ, વડોદરા
- નિયામકશ્રી, ગુજરાત ઉર્જા વિકાસ એજન્સી, ગાંધીનગર
- નાણાકીય સલાહકારશ્રી (ઉ. અને પે.), નાણા વિભાગ, સચિવાલય, ગાંધીનગર
- મુખ્ય ઈજનેરશ્રી (ટેકનીકલ), ગુજરાત ઉર્જા વિકાસ નિગમ લીમીટેડ, વડોદરા
- વિભાગના સર્વે અધિકારીશ્રીઓ
- વિભાગની સર્વે શાખાઓ
- સીલેક્ટ ફાઈલ/ના. સે. અધી. અંગત ફાઈલ

ՀԱՅԿԱՍՏԱՆԻ

[illegible]

(6) የገቢዎች ፋይል ዝርዝር በሰነድ ቅጽ ማስተካከያ

8) $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

7) ମାମୁଁଙ୍କୁ ଯେଉଁଠି ଯିବାକୁ ହେବ, ସେଠାରେ ଯିବାକୁ ସଜ୍ଜିତ ରହିବାକୁ ସୂଚନା ଦିଆଯିବ।

[illegible][illegible]

38584/2019-SF-V-21458
4) ମାପି ଏବଂ ଗଠିତକରା ଗୋଟିଏ ଗ୍ରାମ, ଗ୍ରାମର ସରକାରୀ ନାମ- 22.09.2019 ମାପି ଏବଂ ଗଠିତକରା ଗୋଟିଏ ଗ୍ରାମ

[illegible]

(2) ଗୋଟିଏ ପୃଷ୍ଠାରେ ଦିଆଯାଇଥିବା ସମସ୍ତ ସ୍ଥାନରେ ଉପରୋକ୍ତ ନିୟମାବଳୀ ଅନୁଯାୟୀ କାର୍ଯ୍ୟ କରିବାକୁ ହେବ।

[illegible]

၂၀၁၃ ခုနှစ်

ଅନ୍ତର୍ଗତ 'ନବନିର୍ମିତ'

6219 8418 : SLR/11/2020/851/B1

ᐱᐸᐅᑦ ᐃᓪᐳᑦ ᐃᓪᐳᑦ ᐃᓪᐳᑦ ᐃᓪᐳᑦ

உதாரணம்

ከግብርና ማህበረሰብ

[illegible]

[illegible]

(5) ଟାଣି ଧରି ପ୍ରାୟତଃ କେବଳ ସ୍ୱଳ୍ପ ପ୍ରମାଣ ଦିଆଯାଇଛି ।

ଗ୍ରାମ ଡିପାର୍ଟମେଣ୍ଟ ନିୟମାବଳୀ ଅନୁଯାୟୀ ଏହି ଗ୍ରାମ ପଞ୍ଚାୟତ ପାଠକ ଶାଳା ନିର୍ମାଣ କରାଯିବ, ଏହା
 ପାଠକ ଶାଳା ଗ୍ରାମ ଡିପାର୍ଟମେଣ୍ଟ ଫଣ୍ଡ ୦୦୧ ଓ ଗ୍ରାମ ପଞ୍ଚାୟତ ନିୟମାବଳୀ ଅନୁଯାୟୀ (୩)

[illegible]

፡፩ ኃሎ ዘክላ፤

912:

- 45

47

PM-KUSUM યોજનાના કોમ્પોનન્ટ-C
હેઠળ ગ્રીડ કનેક્ટેડ કૃષિ પંપને
સોલરાઈઝેશન કરવા અંગેની યોજનામાં
સુધારો કરવા બાબત.

ગુજરાત સરકાર
ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ
ઠરાવ ક્રમાંક : EPCD/SLR/20/2022/0485/B1
સચિવાલય, ગાંધીનગર
તા. ૨૬/૦૭/૨૦૨૩

વંચાણે લીધા:

- 1) ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગનો તા-૦૬.૧૧.૨૦૨૦ નો ઠરાવ ક્રમાંક : SLR/૧૧/૨૦૨૦/૮૫૧/બી૧.
- 2) નવી અને નવીનીકરણ ઉર્જા મંત્રાલય (MNRE), ભારત સરકારની તા- ૦૪.૧૧.૨૦૨૦ની કચેરી યાદી ક્રમાંક: ૩૨/૬૪૫/૨૦૧૭- SPV ડીવીઝન
- 3) નવી અને નવીનીકરણ ઉર્જા મંત્રાલય (MNRE), ભારત સરકારની તા- ૦૪.૧૨.૨૦૨૦ની કચેરી યાદી ક્રમાંક: ૩૨/૬૪૫/૨૦૧૭- SPV ડીવીઝન.

પ્રસ્તાવના:

કેન્દ્ર સરકારના નવી અને નવીનીકરણીય ઉર્જા મંત્રાલય(MNRE) દ્વારા ખેડૂતો માટે વંચાણે લીધેલ ક્રમાંક(૨) પરની તા. ૦૪.૧૧.૨૦૨૦ની કચેરી યાદીથી પ્રધાન મંત્રી કિસાન ઉર્જા સુરક્ષા એવમ ઉત્થાન મહાભિયાન(PM-KUSUM) યોજનાનું વિસ્તરણ કરીને ફીડર લેવલ સોલરાઈઝેશનનો સદર યોજનામાં સમાવેશ કરેલ છે. કેન્દ્ર સરકારના નવી અને નવીનીકરણીય ઉર્જા મંત્રાલય(MNRE) દ્વારા ખેડૂતો માટે વંચાણે લીધેલ (૩) પરની તા. ૦૪.૧૨.૨૦૨૦ની કચેરી યાદીથી પ્રધાન મંત્રી કિસાન ઉર્જા સુરક્ષા એવમ ઉત્થાન મહાભિયાન(PM-KUSUM) યોજનાના કોમ્પોનન્ટ-C હેઠળ ફીડર લેવલ સોલરાઈઝેશનના અમલીકરણ માટેની ગાઈડલાઈન્સને મંજૂરી આપવામાં આવેલ છે. કેન્દ્ર સરકારની સદરહુ ફીડર લેવલ સોલરાઈઝેશનની યોજનાનો રાજ્યમાં અમલ કરવાની બાબત રાજ્ય સરકારની વિચારણા હેઠળ હતી.

સુધારા ઠરાવ:

સરકારશ્રીની પુખ્ત વિચારણાને અંતે, રાજ્યનાં ખેડૂતોના લાભાર્થે કેન્દ્ર સરકારની ફીડર લેવલ સોલરાઈઝેશન યોજનાનો રાજ્યમાં અમલ કરવા સારું ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગના વંચાણે લીધેલ ક્રમાંક (૧) પરના ઠરાવમાં નીચે મુજબની શરતો / જોગવાઈઓ ઉમેરવાનું આથી ઠરાવવામાં આવે છે:

- (૧) આ યોજના હેઠળ એગ્રીકલ્ચર ફીડરનું સોલરાઈઝેશન કરી શકાશે. એગ્રીકલ્ચર ફીડર માટે કુલ વાર્ષિક પાવરની જરૂરિયાતનું મૂલ્યાંકન કરી, વાર્ષિક પાવરની જરૂરિયાતને પૂરી કરી શકે તેટલી ક્ષમતાનો સોલાર પાવર પ્લાન્ટ RESCO મોડથી બનાવવાનો રહેશે, જે ફીડરમાં પાવર સપ્લાય કરશે.
- (૨) ફીડર લેવલ સોલરાઈઝેશનની કેન્દ્ર સરકારની ઉક્ત વંચાણે લીધેલ ક્રમાંક-(૩) પરની RESCO મોડ અંગેની ગાઈડલાઈન્સને અનુસરવાની રહેશે.

- (૩) ફીડર લેવલ સોલરાઈઝેશન (PM KUSUM Component-C) યોજનામાં સમાવિષ્ટ ખેડૂતોને નીચે જણાવેલ શરતોને આધીન ઈન્સેન્ટીવ આપવામાં આવશે:
1. "ફીડરમાં સમાવિષ્ટ ખેતીવિષયક વીજ જોડાણ ધરાવતા ગ્રાહકો જો તેમના બેન્યુમાર્ક વીજવપરાશ કરતા ઓછો વીજ વપરાશ કરે તો કરેલ વીજ બચતના રૂા .૦.૧૦/- પ્રતિ યુનિટ પ્રમાણે આપવામાં આવશે,
 2. સરેરાશ વીજ વપરાશની આકારણી કરવા માટે ડીસ્કોમ જે તે વિસ્તાર મુજબ વિવિધ પરિબળો ધ્યાને લેશે.
 3. જો ફીડરનો T&D લોસ ૧૦%થી નીચે હશે તો જ ઈન્સેન્ટીવ આપવામાં આવશે.
 4. જો ફીડર લેવલે પ્રતિ હો.પા .બેન્યુમાર્ક વીજ વપરાશ કરતા ઓછો વીજ વપરાશ થાય તો જ ઈન્સેન્ટીવ આપવામાં આવશે.
 5. હોર્સ-પાવર બેઝ વીજ ગ્રાહકોએ પોતાના વીજ જોડાણમાં મીટર સ્થાપિત કરવાની સંમતિ આપેથી નિયમોનુસાર ઈન્સેન્ટીવ મળવાપાત્ર થશે"
- (૪) PM-KUSUM યોજનાના કોમ્પોનન્ટ-C હેઠળ ગ્રીડ કનેક્ટેડ કૃષિ પંપને સોલરાઈઝેશન કરવા અંગેની યોજનાના ઉક્ત વંચાણે લીધેલ ક્રમાંક (૧) પરના ઠરાવની અન્ય તમામ જોગવાઈઓ યથાવત રહેશે.
- (૫) આ સુધારા ઠરાવ આ વિભાગની સમાન ક્રમાંકની ફાઇલ ઉપર નાણા વિભાગની તા.૦૮/૦૬/૨૦૨૩ની નોંધ પર મળેલ અનુમતિ અન્વયે બહાર પાડવામાં આવે છે.
- ગુજરાતના રાજ્યપાલ શ્રી ના હુકમથી અને તેમના નામે,
- Sign*
 Signed by: BHAKTI C SHAMAL
 Organization Unit: Energy and Petrochemicals Department
 Organization Name: GOVERNMENT OF GUJARAT
 Date: 26-Jul-2023 (06:44 PM)

(ભક્તિ શામળ)
 સંયુક્ત સચિવ
 ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ
- પ્રતિ,
૧. માન.રાજ્યપાલશ્રીના અંગત સચિવશ્રી, રાજભવન, ગાંધીનગર (અલગ પત્રથી)
 ૨. માન.મુખ્યમંત્રીશ્રીના અધિક મુખ્ય સચિવશ્રી, સચિવાલય, ગાંધીનગર
 ૩. માન.મંત્રીશ્રી(નાણાં, ઉર્જા અને પેટ્રો.)ના અંગત સચિવશ્રી, સચિવાલય, ગાંધીનગર
 ૪. મુખ્ય સચિવશ્રીના સંયુક્ત સચિવશ્રી, સચિવાલય, ગાંધીનગર
 ૫. અધિક મુખ્ય સચિવશ્રી(નાણાં)ના અંગત સચિવશ્રી, સચિવાલય, ગાંધીનગર
 ૬. અગ્ર સચિવશ્રી(ઉપેવિ)ના રહસ્ય સચિવશ્રી, સચિવાલય, ગાંધીનગર
 ૭. મેનેજિંગ ડાયરેક્ટરશ્રી,ગુજરાત ઉર્જા વિકાસ નિગમ લી., વડોદરા
 ૮. મેનેજિંગ ડાયરેક્ટરશ્રી, ઉત્તર ગુજરાત વીજ કંપની લી., મહેસાણા
 ૯. મેનેજિંગ ડાયરેક્ટરશ્રી, પશ્ચિમ ગુજરાત વીજ કંપની લી., રાજકોટ
 ૧૦. મેનેજિંગ ડાયરેક્ટરશ્રી, દક્ષિણ ગુજરાત વીજ કંપની લી., સુરત
 ૧૧. મેનેજિંગ ડાયરેક્ટરશ્રી, મધ્ય ગુજરાત વીજ કંપની લી., વડોદરા
 ૧૨. નિયામકશ્રી, ગુજરાત ઉર્જા વિકાસ એજન્સી, ઉદ્યોગ ભવન,ગાંધીનગર

૧૩. મુખ્ય વિદ્યુત નિરીક્ષકશ્રી અને શુલ્ક સમાહર્તાશ્રી, ઉદ્યોગભવન, ગાંધીનગર
૧૪. નાણાં સલાહકારશ્રી(ઉર્જા અને પેટ્રોકેમિકલ્સ), નાણાં વિભાગ, સચિવાલય, ગાંધીનગર
૧૫. વિભાગના સર્વે અધિકારીશ્રીઓ
૧૬. સિલેક્ટ ફાઇલ/નાયબ સેક્શન અધિકારીશ્રીની અંગત ફાઇલ

ગુજરાત રાજ્યમાં સ્થપાતા રીન્યુએબલ
એનર્જીના તમામ પ્રોજેક્ટસને ગુજરાત
જમીન મહેસુલ સંહિતાની કલમ ૬૫-
બી હેઠળ ડીમ્ડ એન.એ. પરવાનગીનો
લાભ આપવા બાબત

ગુજરાત સરકાર

મહેસૂલ વિભાગ

પરિપત્ર ક્રમાંક : બપપ/૧૦૨૦૨૨/ઓએમઆર-૨૪/ક (સોલાર)

સચિવાલય, ગાંધીનગર.

તારીખ: ૧૩-૦૪-૨૦૨૩

સંદર્ભ : (૧) મહેસૂલ વિભાગનો તા.૦૧/૦૭/૨૦૦૮ નો ઠરાવ ક્રમાંક: બપપ/૧૦૦૬/૪૨૫/ક

(૨) મહેસૂલ વિભાગનો તા.૨૫/૦૧/૨૦૧૯ નો ઠરાવ ક્રમાંક: જમન/૩૯૧૫/૯૨૪/અ-૧

(૩) ગુજરાત એક્ટ નં.૩/૨૦૧૬, તા: ૨૧/૦૩/૨૦૧૬,

(૪) ગુજરાત પાવર પોલીસી-૨૦૨૧, ઉર્જા અને પેટ્રોકેમીકલ્સ વિભાગ, ગુજરાત સરકાર

(૫) PM-KUSUM યોજના ભાગ - A સબબનો ભારત સરકારના MNRE મંત્રાલયનો,

તા: ૨૨-૦૭-૨૦૧૯ નો પરિપત્ર

(૬) ઉર્જા અને પેટ્રોકેમીકલ્સ વિભાગનો પત્ર ક્રમાંક : SLR/11/2022/1269/B1 ,

તા: ૧૩-૧૦-૨૦૨૨

પ્રસ્તાવના :

ગુજરાત એક્ટ નં.૬ ઓફ ૧૯૯૭ કે જે તા:૨૪-૧૨-૧૯૯૬ થી અમલી છે તેના દ્વારા ગુજરાત જમીન મહેસુલ સંહિતા, ૧૯૭૯ ની કલમ-૪૮ ની પેટા કલમ :૨(ક) તથા કલમ ૬૫-બ ઉમેરવામાં આવેલ છે. જ્યારે કોઈ જમીનનો ઉપયોગ પ્રામાણિક ઔદ્યોગિક હેતુ (બોનાફાઇડ ઇન્ડસ્ટ્રીયલ પરપઝ) માટે કરવાનો હોય ત્યારે કલમ-૬૫-બ ની જોગવાઈ મુજબ કલેક્ટરશ્રીની પૂર્વમંજૂરીની જરૂરીયાત રહેશે નહીં. આવી માંગણીવાળી જમીન પરત્વે કલેક્ટરશ્રી દ્વારા ડીમ્ડ એન.એ. પરમીશન આપવાની રહે છે.

ઉર્જા અને પેટ્રોકેમીકલ્સ વિભાગ હેઠળ કાર્યરત સોલાર પાવર પોલીસી-૨૦૨૧ અંતર્ગત વર્ષ ૨૦૨૨ સુધી ૧૦૦ ગીગાવોટ પાવર જનરેશનનો લક્ષ્યાંક રાખવામાં આવેલ છે. ગુજરાતનાં ઉદ્યોગ સાહસિકો તેમજ જમીન માલિકો બન્નેને ફાયદો થાય તેવા ઉદ્દેશથી આવી જમીનોમાં રીન્યુએબલ એનર્જી પ્રોજેક્ટ સ્થાપવા માટે ડીમ્ડ એન.એ. પરવાનગીનો લાભ મળે તો આવા પ્રોજેક્ટો ઝડપથી કાર્યરત થાય અને ઉર્જા ઉત્પાદનના મહાત્વાકાંક્ષી લક્ષ્યાંકો સિધ્ધ કરી શકાય. ભારત સરકારના

[illegible]

ગુજરાત રાજ્યમાં સ્થપાતા રીન્યુએબલ એનર્જીના તમામ પ્રોજેક્ટસ માટે ખાનગી માલિકીની લીઝથી ધારણ કરેલ જમીનને મહત્તમ ૩૦ વર્ષ માટે હંગામી બિનખેતી પરવાનગી આપવા બાબત

ગુજરાત સરકાર

મહેસૂલ વિભાગ

પરિપત્ર ક્રમાંક : બખપ/૧૦૨૦૨૨/ઓએમઆર-૨૪/ક (લીઝ)

સચિવાલય, ગાંધીનગર.

તારીખ: ૧૬-૧૦-૨૦૨૩

- સંદર્ભ : (૧) મહેસૂલ વિભાગનો તા.૦૧/૦૭/૨૦૦૮ નો ઠરાવ ક્રમાંક: બખપ/૧૦૦૬/૪૨૫/ક
 (૨) મહેસૂલ વિભાગનો તા.૧૨/૧૨/૨૦૧૮ નો પરિપત્ર ઠરાવ ક્રમાંક: બખપ/૧૦૨૦૧૮/૪૨૫/ક
 (૩) મહેસૂલ વિભાગનો તા.૨૫/૦૧/૨૦૧૯ નો ઠરાવ ક્રમાંક: જમન/૩૯૧૫/૯૨૪/અ-૧
 (૪) ગુજરાત એક્ટ નં.૩/૨૦૧૬, તા: ૨૧/૦૩/૨૦૧૬,
 (૫) ગુજરાત પાવર પોલીસી-૨૦૨૧, ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ, ગુજરાત સરકાર
 (૬) મ.વિ.નો તા: ૧૩-૦૪-૨૦૨૩ નો પરિપત્ર ક્ર: બખપ/૧૦૨૦૨૨/ઓએમઆર-૨૪/ક (સોલાર)
 (૭) મ.વિ.નું તા: ૨૫-૦૬-૨૦૨૧ નું જાહેરનામા ક્ર: GHM/2021/86/M/BKP/102018/484/K
 (૮) ગુજરાત જમીન મહેસૂલ નિયમો, ૧૯૭૨ ના નિયમ-૯૧
 (૯) મહેસૂલ વિભાગનો તા: ૨૬/૦૯/૨૦૨૨ નો પરિપત્ર ક્રમાંક : બખપ/૧૦૨૦૧૮/૪૨૫/ક

: પ્રસ્તાવના :

ઉર્જા અને પેટ્રોકેમિકલ્સ વિભાગ હેઠળ કાર્યરત સોલાર પાવર પોલીસી-૨૦૨૧ અંતર્ગત વર્ષ ૨૦૨૨ સુધી ૧૦૦ ગીગાવોટ પાવર જનરેશનનો લક્ષ્યાંક રાખવામાં આવેલ. ગુજરાતનાં ઉદ્યોગ સાહસિકો તેમજ જમીન માલિકો બજાને ફાયદો થાય તેવા ઉદ્દેશથી આવી જમીનોમાં રીન્યુએબલ એનર્જી પ્રોજેક્ટ સ્થાપવા માટે ડીમ્ડ એન.એ. પરવાનગીનો લાભ મળે તો આવા પ્રોજેક્ટો ઝડપથી કાર્યરત થાય અને ઉર્જા ઉત્પાદનના મહાત્વાકાંક્ષી લક્ષ્યાંકો સિધ્ધ કરી શકાય. ભારત સરકારના MNRE મંત્રાલય દ્વારા ખેડુતો માટે તા: ૧૩-૦૩-૨૦૧૯ થી અમલી PM-KUSUM યોજનાના ભાગ - A અંતર્ગત વિકેન્દ્રિત ગ્રીડ દ્વારા ૧૦૦૦૦ મેગાવોટ ઉર્જા ઉત્પાદનનો લક્ષ્યાંક છે.

મ.વિ. ના સંદર્ભ (૬) દર્શિત પરિપત્ર દ્વારા " ગુજરાત રાજ્યમાં સ્થપાતા રીન્યુએબલ એનર્જીના તમામ પ્રોજેક્ટસ જેવા કે, સુર્ય ઉર્જા, પવન ઉર્જા, વિન્ડ-સોલાર હાઇબ્રીડ આધારિત પ્લાન્ટ, સોલાર પ્રોજેક્ટને તથા કેંદ્ર સરકારની PM-KUSUM યોજના અંતર્ગત સ્થાપવામાં આવતા સોલાર પાવર

પ્લાન્ટના હેતુને પ્રામાણિક ઔદ્યોગિક હેતુ (બોનાફાઈડ ઈન્ડસ્ટ્રીયલ પરપઝ) તરીકે માન્યતા મળેલ હોય ,ખાનગી માલિકીની જમીનનો આ હેતુઓ માટે ઉપયોગ કરવામાં આવે કે આ હેતુઓ માટે જમીન ખરીદવા અને ઉપયોગ કરવા અંગેની પ્રવૃત્તિને ગુજરાત જમીન મહેસુલ સંહિતા, ૧૯૭૯ ની કલમ-૪૮ તથા કલમ ૬૫-બી હેઠળ આવરી લેય તેને ખરેખર ઔદ્યોગિક હેતુ ગણી ડીમ્ડ એન.એ. પરવાનગી આપવા અંગે કાર્યવાહી કરવા તમામ કલેક્ટરશ્રીઓને સુચિત કરવામાં આવેલ છે.”

૨. રાજ્યમાં તમામ રીન્યુએબલ એનર્જીના પ્રોજેક્ટસ જેવા કે, સુર્યઊર્જા, પવન ઊર્જા, વીન્ડ-સોલાર હાઇબ્રીડ, PM-KUSUM યોજના વિગેરે પ્રોજેક્ટના ઝડપી વિકાસ માટે આ યોજનાઓ હેઠળ સ્થાપિત થતા પાવર પ્લાન્ટ માટે ખાનગી માલિકીની ભાડાપટ્ટે (લીઝ) પર ધારણ કરેલ જમીનને પણ ડીમ્ડ એન.એ. પરવાનગીનો લાભ આપવામાં આવે તો આવા પ્લાન્ટ ઝડપથી કાર્યરત થઇ શકે તે બાબતની રજુઆત સરકારશ્રીને મળેલ હતી.આથી રીન્યુએબલ એનર્જી બેઝ્ડ તમામ પ્રકારના પાવર પ્લાન્ટના હેતુ માટે ખાનગી માલિકીની ભાડાપટ્ટે (લીઝ) પર ધારણ કરેલ જમીનને ઝડપી બિનખેતી પરવાનગી મળે અને ઊર્જા ઉત્પાદનના લક્ષ્યાંક સિધ્ધ થઇ શકે તે બાબત સરકારશ્રીની વિચારણા હેઠળ હતી.

: પરિપત્ર :

પુખ્ત વિચારણાને અંતે પ્રસ્તુત બાબતે નિમ્નલિખિત સુચનાઓ પરિપત્રિત કરવામાં આવે છે :

” રીન્યુએબલ એનર્જીના તમામ પ્રોજેક્ટસ જેવા કે, સુર્ય ઊર્જા, પવન ઊર્જા, વિન્ડ-સોલાર હાઇબ્રીડ આધારિત પ્લાન્ટ, સોલાર પ્રોજેક્ટને તથા કેંદ્ર સરકારની PM-KUSUM યોજના અંતર્ગત સ્થાપવામાં આવતા સોલાર પાવર પ્લાન્ટના હેતુ માટે ભાડાપટ્ટે ધારણ કરેલ ખાનગી માલિકીની જમીનના કાયદેસરના લીઝ ધારણ કરનાર રીન્યુએબલ એનર્જી/સોલાર ઊર્જા ઉત્પાદક અરજદાર/કંપની/અન્યને રીન્યુએબલ એનર્જીના તમામ હેતુ નિમ્નલિખિત શરતો/ જોગવાઈઓને આધીન મહત્તમ ૩૦ વર્ષના સમયગાળા માટે હંગામી બિનખેતી પરવાનગી આપવા બાબત નિમ્નલિખિત સુચનાઓ/કાર્યપદ્ધતિ મુજબ કાર્યવાહી કરવા તમામ જિલ્લા-કલેક્ટરશ્રીઓને સુચિત કરવામાં આવે છે :

અરજીની ચકાસણી / ખરાઇ, વસુલવાપાત્ર વેરા સંબંધિત જોગવાઈઓ :

(૧) નિયમાનુસાર લીઝ અગ્રીમેંટ દ્વારા ખાનગી માલિકીની જમીન લીઝ હકકથી ધારણ કરનાર રીન્યુએબલ એનર્જી/સોલાર ઊર્જા ઉત્પાદક અરજદાર/કંપની/અન્ય તથા લીઝ આપનાર જમીનના કાયદેસરના કબજેદાર દ્વારા સહી કરીને હંગામી બિનખેતી પરવાનગી મેળવવા માટે નિયત નમુનામાં (પરિશિષ્ટ-૧) ઓનલાઇન અરજી તથા સ્વ-ઘોષણાપત્ર (પરિશિષ્ટ-૨) મુજબ રજુ કરવાના રહેશે.

(૨) હંગામી બિનખેતી પરવાનગીની ઓનલાઇન અરજી કરતા સમયે અરજદારશ્રી દ્વારા નિયમાનુસાર સવાલવાળી જમીનના માંગણી મુજબના ક્ષેત્રફળ આધારિત પ્રોસેસ ફી ૫૦ પૈસા પ્રતિ ચો.મી. લેખે ભરપાઇ કરવાના રહેશે, જે નોન-રીફંડેબલ રહેશે. પ્રોસેસ ફીની આ રકમ જિલ્લા ઇ-ધરા ફંડમાં જમા થશે.

સંદર્ભ(૯)દર્શિત પરિપત્રની જોગવાઇઓ મુજબ નિયમાનુસારના કારણોસર અરજી અસ્વીકાર કે દફતરે થયાના કિસ્સામાં તે જ જમીન માટે તે જ મોબાઇલ નંબર અને તે જ ઇ-મેલ આઇડીથી પુનઃઅરજી કરવામાં આવે તો સવાલવાળી જમીનના માંગણી મુજબના ક્ષેત્રફળ આધારિત ૧૦ પૈસા પ્રતિ ચોમી લેખે પ્રોસેસ ફી ભરપાઇ કરવાની રહેશે.

(૩) હંગામી બિનખેતી પરવાનગીની નિયત નમુનાની (પરિશિષ્ટ-૧) મુજબની અરજીનો સક્ષમ સત્તાધિકારીશ્રી દ્વારા સ્વીકાર થયેથી, તેઓ દ્વારા હંગામી બિનખેતી પરવાનગીની માંગણીવાળી જમીન સરકારી પડતર / ગૌયર/ જાહેર હેતુસર અનામત પૈકીની/ ભુદાનની/ જમીન ટોચ મર્યાદા ધારા હેઠળની નહીં પરંતુ ખાનગી માલિકી પ્રકારની જ હોવા અંગેની ખરાઇ ઉપલબ્ધ રેકર્ડના આધારે તથા સવાલવાળી જમીનના રેવન્યુ કેસ/તકરારી કેસો તથા નામદાર હાઇકોર્ટ સમક્ષ ચાલતા કેસોની તપાસ તેમના તાબાના વર્ગ-૨ કે વર્ગ-૩ના શિરસ્તેદારથી નીચેના દરજ્જાના ન હોય તેવા અધિકારી મારફત આંતરિક વ્યવસ્થાથી દિન-૭ માં કરી લેવાની રહેશે.

(૪) આ પ્રકારે નિયત નમુનાની (પરિશિષ્ટ-૧) મુજબની અરજીની નિયમાનુસારની ચકાસણી બાદ સક્ષમ સત્તાધિકારીશ્રી દ્વારા વસુલવાપાત્ર રૂપાંતર કર, બિનખેતી આકાર, લોકલ ફંડ, શિક્ષણ ઉપકર તથા અન્ય વેરા ભરપાઇ કરવાની જાણ આ સાથે સામેલ પરિશિષ્ટ-(૨) મુજબ અરજદારને અરજી મળ્યાના દિન-૧૫ માં કરવાની રહેશે. અરજદારશ્રી દ્વારા તેઓને આ પ્રકારે જાણ થયા તારીખથી ૦૭ દિવસની મુદતમાં આ રકમ ઓનલાઇન ભરપાઇ કરવાની રહેશે. નિયત સમયમર્યાદામાં રકમ ભરપાઇ ન થયેથી અરજી આપોઆપ દફતરે થશે.

(૫) અરજદારશ્રી પાસેથી લીઝના સંપૂર્ણ સમયગાળા (મહત્તમ ૩૦ વર્ષ) માટે મ.વિ. ના તા: ૨૫/૦૬/૨૦૨૧ ના જાહેરનામાથી અમલી બિનખેતી આકાર, લોકલ ફંડ, શિક્ષણ ઉપકર એકસામટા આગોતરા જ વસુલી લેવાના રહેશે. રૂપાંતર કર ફક્ત બિનખેતી હેતુ માટે વસુલવાપાત્ર હોઇ તે એકવડો જ વસુલ કરવાનો રહેશે.

મહેસુલી રેકર્ડની જાળવણી :

(૬) વસુલવાપાત્ર રૂપાંતર કર, બિનખેતી આકાર, લોકલ ફંડ, શિક્ષણ ઉપકર તથા અન્ય વેરા અરજદારશ્રી દ્વારા ઓનલાઇન/ ચલણ દ્વારા ભરપાઇ થયાના આધાર/ચલણ સહિત સક્ષમ સત્તાધિકારીશ્રીને જાણ થયાના ૦૫ દિવસમાં, સક્ષમ સત્તાધિકારીશ્રી-દ્વારા અરજીની તારીખથી દિન-૩૦ માં હંગામી બિનખેતી પરવાનગીની આખરી મંજૂરી/ નામંજૂરીનો વિગતવાર આ સાથે સામેલ પરિશિષ્ટ-(૬) મુજબ કરવાનો રહેશે.

(૭) સક્ષમ સત્તાધિકારીશ્રીએ અરજદારશ્રી દ્વારા સુપ્રત થયેલ નિયમાનુસારની (પરિશિષ્ટ-૧) મુજબની અરજી પર રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદક અરજદાર/કંપની/અન્ય તથા લીઝ આપનાર જમીન માલિકની સહી સાથેની હંગામી બિનખેતી પરવાનગી મેળવવા માટે નિયત નમુનાની અરજી મળ્યેથી અને ફકરા (૫) અને (૬) મુજબનાં તમામ સરકારી લેણાં ભરપાઇ થયાના આધાર/ચલણ રજુ થયેથી સક્ષમ સત્તાધિકારીશ્રી-દ્વારા અરજીની તારીખથી દિન-૩૦ માં આખરી હુકમ ન થાય તો આ રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદક અરજદાર/કંપની/અન્યને આપોઆપ હંગામી ડીમ્ડ એન.એ. મળેલ ગણાશે.

(૮) પરિશિષ્ટ-(૬) મુજબના હુકમની (લીઝ આપનારનું નામ, લીઝ લેનારનું નામ, લીઝનો સમયગાળો વગેરે બાબતોનો સ્પષ્ટ ઉલ્લેખસહિત) નોંધ ગામ.ન.નં.૬ માં કરવાની રહેશે અને તે નોંધ નિયમાનુસાર પ્રમાણિત થયેથી ગામ.ન.નં.૭ માં બીજા હક્કમાં " લીઝથી ધારણ કરનાર અરજદાર/કંપની/અન્યને ૩૦ વર્ષ માટે રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદન માટે હંગામી બિનખેતી પરવાનગી આપવામાં આવેલ છે." તેવો ઉલ્લેખ કરવાનો રહેશે. અને ગામ ન.નં.૭ તથા ગામ ન.નં.૬ માં વારસાઇ/ બોજા હક્ક દાખલ/બોજા કમી સિવાયના તબદીલી/વેચાણ/હેતુકેરને લગતાં મ્યુટેશન હંગામી બિનખેતીના સમયગાળા સુધી સ્થગિત કરી દેવાના રહેશે. મહેસુલી રેકર્ડમાં જમીનના કાયદેસરના ધારણકર્તા તરીકે મુળ લીઝ આપનાર ખેડુત જ યથાવત રહેશે.

લીઝનો સમયગાળો પુર્ણ/ લીઝ રીન્યુઅલ તથા શરતભંગ સંબંધિત જોગવાઇઓ :

(૯) લીઝનો સમયગાળો પુર્ણ થયેથી ગુજરાત જમીન મહેસુલ નિયમો, ૧૯૭૨ ના નિયમ-૯૧ ની જોગવાઇને આધીન બિનખેતીનો ઉપયોગ પુર્ણ થયેથી જમીન મુળ સ્વરૂપમાં લાવવાની રહેશે અને જમીન મુળ ધારણકર્તા એટલે કે લીઝ કરી આપનાર કાયદેસરના કબજેદાર મુળ ખેતી હેતુ માટે જ મુળ શરતથી જ ધારણ કરશે. સવાલવાળી જમીનની હંગામી બિનખેતીનો સમયગાળો પુર્ણ થયેથી સક્ષમ

સત્તાધિકારી દ્વારા ગુજરાત જમીન મહેસુલ નિયમો, ૧૯૭૨ ના નિયમ-૯૧ મુજબ નવીન ખેતીનો આકાર નક્કી કરી તેની ખતવણી કરવાની રહેશે.

(૧૦) આ પ્રકારે મળેલ પરવાનગી હંગામી બિનખેતી પરવાનગી હોવાથી ખાનગી માલિકીની નવી શરતની જમીનો લીઝનો સમયગાળો પૂર્ણ થયેથી નવી શરતની ખેતીની જમીન બનશે અને જો કાયમી બિનખેતીમાં ફેરવવાની થાય તો નિયમાનુસાર પ્રીમીયમની વસુલાતને પાત્ર રહેશે.

(૧૧) આ પ્રકારે હંગામી બિનખેતી પરવાનગી મળેલ જમીન પર રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદનની કામગીરી તથા તેને સંલગ્ન આવશ્યક બાંધકામ જ કરવાનું રહેશે.

(૧૨) ઉપર્યુક્ત હંગામી બિનખેતી પરવાનગીના હુકમી કોઇપણ શરતો કે સરકારશ્રીની બિનખેતી પરવાનગી સંબંધિત સ્થાયી સુચનાઓનો ભંગ થયેથી આ હુકમથી મળેલ હંગામી બિનખેતી પરવાનગી આપોઆપ રદ થયેલ ગણાશે.

(૧૩) બિનખેતી પરવાનગીનો સમયગાળો કે લીઝનો સમયગાળો પૂર્ણ થયેથી લીઝ કરી આપનાર તથા લીઝ લેનાર બંનેની સંમતિથી લીઝ રીન્યુઅલ થયેથી પુનઃ હંગામી બિનખેતીની પરવાનગી મેળવવા નિયમાનુસારની અરજી (પરિશિષ્ટ-૧) મુજબ કરવાની રહેશે.

(૧૪) હંગામી બિનખેતી પરવાનગી રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદન અંગેની જ હોઇ, નિયમાનુસાર મેળવવાપાત્ર અન્ય પરવાનગીઓ સક્ષમ અધિકારીઓ પાસેથી લીઝ કરી આપનાર તથા લીઝ ધારણ કરનાર દ્વારા મેળવી લેવાની રહેશે.

(૧૫) આ પ્રકારની હંગામી બિનખેતી પરવાનગી સક્ષમ અધિકારી પાસેથી મળ્યેથી પણ જમીનના ધારણકર્તા કે ટાઇટલમાં કોઇ ફેરફાર થશે નહીં અને ટાઇટલ સંબંધિત તમામ જવાબદારી લીઝ કરી આપનાર જમીનના કાયદેસરના કબજેદારની જ રહેશે.

(૧૬) આ પ્રકારની હંગામી બિનખેતી પરવાનગી સક્ષમ અધિકારી પાસેથી મળ્યેથી જમીનનો ઉપયોગ હંગામી બિનખેતી હેતુ માટે થતો હોઇ જમીનના કાયદેસરના કબજેદાર તેઓનો ખેડૂત ખાતેદાર તરીકેનો દરજ્જો ગુમાવશે નહિ તથા લીઝ પર જમીન મેળવનાર રીન્યુએબલ એનર્જી/સોલાર ઉર્જા ઉત્પાદક, અરજદાર/કંપની/અન્ય ખેડૂત ખાતેદાર હોવાનો દરજ્જો ધારણ કરી શકશે નહીં કે આ બાબતે કોઇ હક્ક-દાવો પણ કરી શકશે નહીં.

(૧૭) રીન્યુએબલ એનર્જીના તમામ પ્રોજેક્ટસ જેવા કે, સુર્ય ઉર્જા, પવન ઉર્જા, વિન્ડ-સોલાર હાઇબ્રીડ આધારિત પ્લાન્ટ, સોલાર પ્રોજેક્ટને તથા કેંદ્ર સરકારની PM-KUSUM યોજના અંતર્ગત સ્થાપવામાં

- સચિવશ્રી, માર્ગ અને મકાન વિભાગ, સચિવાલય, ગાંધીનગર.
- સેટલમેન્ટ કમિશનર અને જમીન દફતર નિયામકશ્રી, ખ-5 સર્કલ, સેક્ટર- 14, ગાંધીનગર.
- ખાસ સચિવશ્રી(વિવાદ), મહેસૂલ વિભાગ, સોલા વિધાપીઠ સામે, અમદાવાદ.
- સર્વે કલેક્ટરશ્રીઓ.
- એકાઉન્ટન્ટ જનરલ શ્રી ગુજરાત રાજ્ય અમદાવાદ અને રાજકોટ.
- મુખ્ય કારોબારી અધિકારીશ્રી, શહેરી વિસ્તાર વિકાસ સત્તા મંડળ, અમદાવાદ.
- મુખ્ય કારોબારી અધિકારીશ્રી, શહેરી વિસ્તાર વિકાસ સત્તા મંડળ, ગાંધીનગર.
- સર્વે મ્યુનિસિપલ કમિશનરશ્રીઓ.
- સીસ્ટમ મેનેજરશ્રી, મહેસૂલ વિભાગ, પરિપત્રની નકલ વિભાગની વેબસાઈટ પર મૂકવા સારું.
- પ્રોજેક્ટ ઓફીસરશ્રી (સ્ટેટ મોનીટરીંગ સેલ, i-ORA સોફ્ટવેરમાં જરૂરી સુધારા NIC પાસેથી કરાવવા અર્થે)
- પસંદગી ફાઇલ.
- શાખા ફાઇલ-ક શાખા.

[illegible]

(b) 1. 10-11-1968 (c) 10-11-1968

2018 ՆԱԽԱՐԱՐԱՆԻ ԴԱՏԱՎԱՐՈՒՄԻ ԿԱՐԳԻ ՄԱՍԻՆ ԿԱՐԳԱՆՈՒՄԻ ԿԱՐԳԻ
 /2018 ՏՄԵՐԱԿԱՆ ՆԱԽԱՐԱՐԱՆԻ-ՏԵՐԱԿԱՆ /2018 ՄԱՍԻՆ ԿԱՐԳԱՆՈՒՄԻ ԿԱՐԳԻ
ՔՉԻ ԼՐԱԽԱՐԱՐՈՒՄԻ ԿԱՐԳԻ ԿԱՐԳԻ (ն)

(භ්‍යංග ප්‍රශ්න 10 ක් දීමට) 20 ක් 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට
/ (භ්‍යංග ප්‍රශ්න 15 ක් දීමට) 20 ක් 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට (12)
..... 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට (13)
..... 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට (14)
..... 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට (15)
..... 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට 10 ක් දීමට (16)

(ବନ୍ଧୁ ମୁଦ୍ରା ଫୁଲ) ଚୋର କାଗଜର ମାଲିକ (୧)
 ପ୍ରାୟ ୧୫୦ ଟଙ୍କା (୨)
 ଚୋର କାଗଜର (୩)
 ମାଲିକ (୪)
 ମାଲିକ ଓ ଚୋର କାଗଜର (୫)
 ପ୍ରାୟ ୧୫୦ ଟଙ୍କା (୬)

..... : (‘‘‘) ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ (‘)

..... : (‘‘‘) ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ (‘)

..... : ‘‘‘ ‘‘‘ / ‘‘‘ ‘‘‘ (‘)

..... : ‘‘‘ ‘‘‘ (‘)

..... : ‘‘‘ (‘)

..... : ‘‘‘ (‘)

Pic’j ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ ‘‘‘ (‘)

.....:ଉତ୍ତମ ଶିକ୍ଷା ଦାୟିତ୍ୱ (କ)
:ସେବା ଉପାଦାନ ମା ଦାୟିତ୍ୱ (ଖ)
:ସେବା ଦାୟିତ୍ୱ (ଗ)
:ନୀତି ମା ନୀତି/ନୀତି (ଘ)
:ନୀତିମାନ ମ ଦାୟିତ୍ୱ (ଙ)
:ନୀତି ମ ଦାୟିତ୍ୱ (ଚ)
 (ଦାୟିତ୍ୱାବଳୀ) ମା ଦାୟିତ୍ୱ (ଛ)

[illegible]

..... ୧
..... 'ଖ୍ରୀଷ୍ଟିଆନ ମାନ
'ମାନ

પ્રતિમા પ્રાદેશીય પ્રામાણિકતાના નિયમો પ્રતિબદ્ધ
પ્રામાણિકતા પ્રતિબદ્ધ પ્રામાણિકતાના નિયમો પ્રતિબદ્ધ પ્રામાણિકતાના નિયમો પ્રતિબદ્ધ

ବିଶାଳ

સ્થળ:

તારીખ:

.....
લીઝ આપનારની સહી

લીઝ તથા લીઝ એગ્રીમેન્ટની ઉપર દર્શાવેલ વિગતો ખરી છે તથા અમો જાણીએ છીએ કે, ઉક્ત પરવાનગી મળવાથી અમને ખેડૂત તરીકેના કોઇ જ હકકો પ્રાપ્ત થતા નથી તથા આ અરજીમાં દર્શાવેલ વિષયથી તથા તેનાથી મર્યાદિત થતી બાબતથી અમે સંપૂર્ણ જ્ઞાત છીએ. રીન્યુએબલ એનર્જી ઉત્પાદન સંદર્ભેની અન્ય તમામ મંજૂરીઓ અલગથી મેળવેલ છે / મેળવ્યા બાદ જ ઉપયોગ કરવામાં આવશે. ઉપર ઉલ્લેખિત બાબતોની અમો બાંહેધરી આપીએ છીએ.

સ્થળ:

તારીખ:

.....
લીઝ મેળવનારની સહી

બિડાણ:-

- (૧) લીઝ આપનાર તથા મેળવનાર ના ઓળખના પુરાવા
- (૨) કંપનીના કિસ્સામાં રજીસ્ટ્રેશનની નકલ
- (૩) વ્યક્તિગત સિવાયના કિસ્સામાં લીઝ મેળવનાર તરીકે સહી કરનારના અધિકૃતતાના પુરાવા
- (૪) લીઝ એગ્રીમેન્ટની નકલ

Plcblj l'u „13„ l'lo 11/ 13 L'bu hfzti bllmhf hmbfi hfzti llbzlf bzfh th hlhlho zzhf (26)

	110 / 13	ମନୁ ଗାନ୍ଧୀ ମହାବଳୀ ପ୍ରାଧିକାରୀ ପ୍ରାଧିକାରୀ 'ନାମ' ଗ୍ରନ୍ଥ ନାମାନ୍ତର ଦ୍ଵାରା ମନୁ ମାନ 'ଦ୍ଵାରା' ନାମ 'ଦ୍ଵାରା' ଗ୍ରନ୍ଥ	(ମ)
	110 / 13	ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ	(ଘ)
	110 / 13	ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ	(ଙ)
	110 / 13	ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ	(ଚ)
	110 / 13	ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ / ଝିଅ ଗ୍ରନ୍ଥ	(ଛ)
(ଝ)	(ଝ)	(ଝ)	
ପାଠ୍ୟ	110 / 13	ପାଠ୍ୟ ପ୍ରାଧିକାରୀ ପ୍ରାଧିକାରୀ ପ୍ରାଧିକାରୀ ପ୍ରାଧିକାରୀ ପ୍ରାଧିକାରୀ	

ଢ଼େଢ଼ି ଡ଼ାମାନ୍ ଡ଼ାଢ଼ାମାନ୍

(6) ଡିହୁଡି ମ (ଆହୁଲ୍ୟ) ମହାଶୟାମ ଗ୍ରାମୀଣ ଗ୍ରାମୀଣୀୟା ନାମ ମାଧୁରୀ ଶରଣୀ ମାଧୁରୀ ମାଧୁରୀ (7)

[illegible]

ከፍ ሆኖታል ስራ

3. Երկրի (թափառ) հագեցումը լիարժեք լինելու համար անհրաժեշտ է:

১৩। ১৯৫৫ সালের ১৩ই আগস্ট তারিখে।

‘‘Յ Լեւոն Բճիշեան Ընկեր շին Խմբակ Բճ

10/11/20 15:59

ଏ ମୂର୍ତ୍ତିର ନାମ

[illegible]

ପ୍ରାଣେ ପ୍ରାଣେ ପ୍ରାଣେ କହୁଛି

012801C 14102

୧୫୫

६.५.१५/५५११५

३ (११) ५५५

[illegible]

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				b
2010 KhmWlhr/ 515 2010	2010	2010	2010	2010

‘ଆଲୋଚନା କରୁଛୁ

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				6
27/10 Khatimote/ 515 21/10/22	27/10	27/10/22	27/10	27/10

தொடர்ச்சி 493

***ଟାଲିଫୋନ୍ ଡ୍ରାମା ଟିଏ ୧୧୧୧/୧୨-୧୨୧ ୧୧୧ 'ପ୍ରମୋ/ଡି' ପ୍ରାଣୀନ

24-414911 (Self Declaration)

.....-:~|H~ 11611611 6125H

੨ - ਲਾਇਬ੍ਰੇਰੀ

(၂၃၆)

.....:ਮੁਲਾਂ

..... : માટે

ՄԻՈՒՆԻՍԵՐԱԼ ԵՐԵՎԱՆԻ ՄԱՐԶԻ ՄԱՐԶԱԿԱՆ ԿԵՆՏՐՈՆ / ՀԱՅ ՀԱՅԿԱՆ

(124)

.....:ਮੁਲਾਂ

***** : બાંહે

ਉਹ ਭਰਤ ਰਾਜ ਪ੍ਰਾਪਤ ਪੁੱਤ

[illegible]

(2b)

(6b)

(5b)

(nb)

[illegible][illegible]

፤ይ ክብሩ ስለዚህ ስለሆነ?

..... ୧୭
..... ୩୫
ପ୍ରାକୃତ ଲେଖନୀ ପଦ
(.....)

‘ପ୍ରବେଶ ମୂଲ୍ୟ ଛାଡ଼ିବାକୁ ନାହିଁ କିନ୍ତୁ ପ୍ରତି ‘ପ୍ରବେଶ’ ପାଇଁ ମାନ୍ୟତା ଦେବାକୁ ପ୍ରସ୍ତୁତ
 ‘ବିଦ୍ୟାଳୟ ନିର୍ମାଣ ସମିତି’ ଦ୍ଵାରା ପ୍ରସ୍ତୁତ ମୂଲ୍ୟାଙ୍କନ ଦେଖି
 ମାନ୍ୟତା (ନୂଆ ପଦ୍ଧତି) ପ୍ରତି ପ୍ରତିରୋଧ ପ୍ରକାଶ କରୁଛି ଏବଂ ଏହି ପ୍ରସଙ୍ଗରେ ବିଶେଷ
 ‘ନିର୍ଦ୍ଦେଶ’

..... ၂၅ : ဇူလိုင်လ : ၂၀၁၉ အမျိုးသမီး/ပုဂံ

પ્રામાણિક અને સ્વચ્છ નિયંત્રણ દ્વારા જાણીતી અને સ્વચ્છ નિયંત્રણ
પ્રામાણિક અને સ્વચ્છ નિયંત્રણ (પ્રામાણિક અને સ્વચ્છ નિયંત્રણ) પ્રામાણિક : ૧૫૦

(પિામટેમ ડિટાડક્ટોમ)
(મામ એફિ ડિટાડક્ટોમ)
'પુન

..... 10
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આ પ્રકારના બે લાભાર્થી રૂપકૃતિ બેસાર
પ્રાપ્તિના પ્રમાણ મુજબ (નિર્ધારિત) પ્રમાણ પ્રમાણ

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F. No. 32/645/2017-SPV Division
Government of India
Ministry of New and Renewable Energy

Block-14, CGO Complex,
Lodhi Road, New Delhi
Dated: 22 July, 2019

Office Memorandum

Subject: Guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan Scheme.

This refers Ministry's OM of even number dated 8.3.2019 vide which sanction was issued for launch of New Scheme for Farmers covering following three Components:

- i. Component A: 10,000 MW of Decentralized Ground Mounted Grid Connected Renewable Power Plants of individual plant size up to 2 MW.
 - ii. Component B: Installation of 17.50 lakh standalone Solar Powered Agriculture Pumps of individual pump capacity up to 7.5 HP.
 - iii. Component C: Solarisation of 10 Lakh Grid-connected Agriculture Pumps of individual pump capacity up to 7.5 HP.
2. The Scheme will be called as Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme. The operational Guidelines for implementation of the PM KUSUM Scheme are enclosed.
3. This issues with the approval of Competent Authority.

Enclosed: As above.

To
All Concern


(J.K. Jethani)
Scientist-E

Ministry of New and Renewable Energy

Guidelines for Implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme

1. Background

As a part of Intended Nationally Determined Contributions (INDCs), India has committed to increase the share of installed capacity of electric power from non-fossil-fuel sources to 40% by 2030.

The Cabinet had approved scaling-up of solar power target from 20,000 MW of Grid Connected Solar power Projects to 1,00,000 MW by 2022.

While Large Scale Solar power generation projects are being installed to achieve the ambitious target of 100 GW of Solar Power generation by 2022, it has been planned to simultaneously develop decentralized Solar energy and other renewable energy generation Plants of capacity up to 2 MW which could be connected directly to existing 33/11 kV or 66/11 kV or 110/11 kV sub-stations of Distribution Company, thus saving in transmission system requirement apart from T&D losses. Such plants near these sub-stations may be developed, preferably by farmers, giving them an opportunity to increase their income by utilising their barren and uncultivable land for solar or other renewable energy based power plants. Cultivable land may also be used if the Solar plants are set up on stilts where crops can be grown below the stilts and sell RE power to DISCOMs.

Besides, developing decentralized renewable power, it is planned to replace Agriculture Diesel pumps with Solar Water pumps and Solarise Grid connected Agriculture pumps. At present, over 30 million agricultural pumps are installed in India, out of which nearly 10 million pumps are diesel based. The Distribution Companies (DISCOMs) are not in a position to energize these pumps through grid connection as seen from the long waiting lists with such Distribution Companies. Hence there is a need to provide energy to these pumps through solar energy. Also, over 20 million grid-connected agriculture water pumps installed in the country consume more than 17 percent of total annual electricity consumption of the country. Solarization of the same can reduce dependence of these pumps on conventional sources of energy supplied by DISCOMs and thus reducing their burden of subsidy on agriculture consumption of Electricity. This will also provide additional source of income to farmers who will be in a position to sell the surplus power to DISCOMs.

The new Scheme has provision for the decentralised renewable energy plants, Solar agriculture water pumps and solarisation of existing Grid connected Agriculture pumps.

2. Approval of the New Scheme for Farmers

The Government of India has launched New Scheme for Farmers with following components:

- i. Component-A: Setting up of 10,000 MW of Decentralized Ground/ Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants;
- ii. Component-B: Installation of 17.50 Lakh Stand-alone Solar Agriculture Pumps; and

iii. Component-C: Solarisation of 10 Lakh Grid Connected Agriculture Pumps.

The Component-A and Component-C will be implemented initially on pilot mode for 1000 MW capacity and one lakh grid connected agriculture pumps respectively and Component-B will be implemented in full-fledged manner with total Central Government support of Rs. 19,036.5 Crore.

After successful implementation of pilot project of Components A and C, the same shall be scaled up with necessary modifications based on the learning from the pilot phase with total Central Government support of ₹ 15,385.5 Crores.

All three components of the scheme aim to add Solar capacity of 25,750 MW by 2022 with the total Central Financial Support of ₹ 34,422 crore.

3. Implementation mechanism:

These guidelines have been formulated to provide broad implementation framework of the Scheme.

I. Component A: Setting up of 10,000 MW of Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants

Under this component, solar or other renewable energy based power plants (REPP) of capacity 500 kW to 2 MW will be setup by individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/Water User associations (WUA) hereinafter called Renewable Power Generator (RPG). However, States/DISCOMs may allow setting-up of solar or other renewable energy based power plants of capacity less than 500 kW in specific cases. The REPP will be preferably installed within five km radius of the sub-stations in order to avoid high cost of sub-transmission lines and to reduce transmission losses.

The Distribution companies (DISCOMs) will notify sub-station wise surplus capacity which can be fed from such RE power plants to the Grid and shall invite applications from interested beneficiaries for setting up the renewable energy plants. The renewable power generated will be purchased by DISCOMs at a pre-fixed levelised tariff. In case, the aggregate capacity offered by Applicants is more than notified capacity for a particular sub-station, bidding route will be followed by DISCOMs to select Renewable Power generator and in such cases the pre-fixed levelised tariff will be the ceiling tariff for bidding. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction as the case may be. A model PPA (Power Purchase Agreement) to be executed between RPG and DISCOMs has been prepared by MNRE and attached at Annexure-I. The duration of PPA will be 25 years from Commercial Operation Date (COD) of the project. The total energy purchased from these RE plants will be accounted for fulfillment of RPO by the DISCOM.

In case the farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/ Water User associations (WUA) etc. are not able to arrange equity required for setting up the REPP, they can opt for developing the REPP through developer(s) or even through local DISCOM, which will be considered as RPG in this case. In such a case, the land owner will get lease rent as mutually agreed between the parties. The lease rent may be in terms of Rs per year per acre of land or in terms of Rs per unit energy generated per acre

of land area. The farmer(s) may opt for payment of lease rent directly in their bank account by the DISCOM, from the payment due to the developer. A model Land Lease Agreement to facilitate the beneficiaries has been prepared by MNRE and is attached at Annexure-II. However, the terms of Land Lease Agreement may be finalised on mutual consent of concerned parties.

The REPP under the scheme would be implemented primarily on Barren / uncultivable land. Agricultural land is also permitted under the scheme provided that solar plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected. The RPG would be free to adopt any renewable energy source or technology while responding to the bid. However, in case of cultivable land with solar plants, the same may be installed on stilts, so that the farmers continue to cultivate the land, apart from getting the benefit of lease rent. In such a case DISCOM may also float bids (in case of specific substations) where setting up of solar projects on stilts may be mandatorily required, and bids for energy tariff invited accordingly.

A. Selection and Implementation of Decentralised Renewable Energy Power Plants

a. Notification of sub-station wise generation capacity

DISCOM shall assess and notify RE generation capacity that can be injected in to all 33/11 kV or 66/11 kV or 110/11 kV sub-station of rural areas and place such notification on its website for information of all stakeholders. To facilitate farmers willing to lease out their land for development of RE plants near above notified substation(s), as per provisions of this scheme, DISCOM may also place list of such farmers on their website. However, the leasing of land of any farmers will be a bi-partite agreement between the farmer and the developer and DISCOM will not be held responsible for failure in getting the land leased out to a developer. To meet additional demand DISCOM will augment the capacity of sub-station under IPDS or any other scheme.

b. Expression of Interest (EoI) for Short-listing of RPG

DISCOM or any agency authorized by the DISCOM shall invite 33/11 kV or 66/11 kV or 110/11 kV sub-station wise EoI from RPG to participate in selection process for development of decentralised renewable power plants. The RPG shall submit their interest against the EoI as per the schedule notified by DISCOM. An RPG will not be allowed to apply for more than one renewable power plant for a particular 33/11 kV sub-station. The EoI of an RPG will also be disqualified if it is found that its proprietor/partner/director/member has also filed EoI as proprietor/partner/director/member for another RPG for the same sub-station.

The DISCOM or any agency authorized by the DISCOM may request to submit non-refundable processing fee from the interested RPGs, which in no case shall be higher than Rs. 5000 per MW or part thereof of the capacity applied for.

In order to ensure only quality systems are installed, prevailing MNRE/BIS specifications and quality control orders applicable for solar modules, inverters, BoS and other equipment shall be followed.

In case of REPP being developed by a developer, the Net-Worth of the developer should not be less than Rs. 1.00 Crore per MW (of the capacity applied). This shall not be applicable for

farmers cooperative or panchayats or Farmer Producer Organisations (FPO) /Water User associations (WUA) or farmers setting up REPP in their own lands.

c. Selection of REPP

In case the total aggregate capacity of eligible applications received for a particular sub-station is less than or equal to the capacity notified for connectivity at the sub-station, LoA will be awarded to all eligible applicants for procurement of renewable power at a pre-fixed levelised tariff.

In case the total aggregate capacity of eligible application received for a particular sub-station is more than the capacity notified for connectivity at the sub-station, then DISCOM or any agency authorized by the DISCOM shall invite Bids from all these applicants. All eligible applicants will have to submit tariff bids within a prescribed time. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction as the case may be. LoA will be awarded to all successful bidders.

d. Connectivity with the sub-station

REPP of capacity up to 2 MW may be connected at 11 kV side of sub-station and the selected RPG will be responsible for laying of dedicated 11 kV line from REPP to sub-station, construction of bay and related switchgear at sub-station where the plant is connected to the grid and metering is done. The DISCOM will facilitate the RPG in getting right of way for laying of 11 kV line. Alternatively, RPG can get constructed the 11 kV lines through DISCOM by paying the applicable cost and other charges. RPG will be responsible for maintaining this dedicated 11 kV line. In case more than one bidders are awarded projects to be connected to same Sub-station, they shall be permitted to co-ordinate with each other for setting up common transmission line for feeding to Sub-Station if they so desire and with the approval of DISCOM. However, in North Eastern States, Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, where States/UTs allows RE plants of capacity less than 500 kW the plant may be connected through LT line subject to technical feasibility and approval by DISCOM.

The RPG shall comply grid connectivity and other regulations as applicable.

e. Clearances required from the State Government and other local bodies

The RPG is required to obtain necessary clearances as required for setting up the REPP.

f. Power Purchase Agreement (PPA)

A copy of standard Power Purchase Agreement to be executed between the DISCOM and the RPG shall be provided by DISCOM along with invitation for submission of EoI. The model PPA agreement shall be as provided by MNRE (Copy enclosed). Within two months of the date of issue of Letter of Award (LoA) by DISCOM or any agency authorized by the DISCOM, the Power Purchase Agreement (PPA) will have to be executed by RPG. The PPA shall be for a period of 25 years from the date of COD. The DISCOM will be obliged to buy the entire power from RPG within the contract capacity. However, the RPG is required to achieve a minimum CUF of 15% on annual basis during the PPA period. However, in case of low Solar radiation zones, minimum CUF can be revised by concerned DISCOM. The RPG will be free to operate the plant after expiry of the 25 years of PPA period if other conditions like land

lease, etc., permits. However, any extension of the PPA period beyond 25 years shall be through mutual agreements between the RPG and DISCOM. As a payment security measure DISCOM will have to maintain LC and Escrow Arrangement as defined in the PPA.

g. Bank Guarantees

The RPG shall provide the following Bank Guarantees to DISCOM as follows:

- Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI.
- Performance Bank Guarantee (PBG) of Rs. 5 Lakh/MW within 30 days from date of issue of Letter of Award.

The Bank Guarantees against EMD shall be returned to the selected RPG on submission of valid PBGs. The selected RPGs are required to sign PPA with the DISCOM in line with the timeline given in the Guidelines. In case, the selected RPG fails to execute the PPA within the stipulated time period, the Bank Guarantee equivalent to EMD shall be en-cashed by DISCOM as penalty. In case any bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected RPG(s). The PBGs shall be valid for a period of 12 months from the date of issue of LoA for the REPP. The PBG will be returned to the RPG immediately after successful commissioning of solar power plant, after taking into account any penalties due to delay in commissioning as per provisions stipulated in the Guidelines.

h. Commissioning

The selected RPG shall commission the solar power plant within nine months from date of issuance of LoA. The RPG may commission the REPP during this period of nine months and the DISCOM is obliged to purchase power from that commissioned REPP any time after the issuance of LoA. A duly constituted Committee of DISCOM officials will physically inspect the Plant in not more than 03 days from the date of receiving a call from the RPG and certify successful commissioning of the plant. In case any RPG fails to achieve this milestone, DISCOM shall encash the Performance Bank Guarantee (PBG) in the following manner:

- a. Delay up to two months - The PBG on per day basis and proportionate to the balance capacity not commissioned.
- b. In case the commissioning of the solar power plant is delayed over two months, the PPA capacity shall stand reduced / amended to the Project capacity commissioned at the end of 11th month from date of issuance of Letter of Award.

In case of delays of plant commissioning due to the reasons beyond the control of the RPG, DISCOM after having been satisfied with documentary evidences produced by the RPG for the purpose, can extend the time for commissioning date without any financial implications to the RPG.

i. Shortfall in minimum generation

During PPA, if for any year, it is found that the RPG has not been able to generate minimum energy corresponding to CUF of 15% or as prescribed by DISCOMs; such shortfall in performance shall make RPG liable to pay the compensation as provided in the PPA to the DISCOM. This will, however be relaxable to the extent of grid non-availability for evacuation, which is beyond the control of the RPG. Further, this compensation shall not be applicable in

events of Force Majeure identified under PPA with Discom affecting supply of solar power by RPG.

j. Commercial Operation Date (COD)

The Commercial Operation Date (COD) shall be considered as the actual date of commissioning of the solar power plant as declared by the Commissioning Committee.

k. Release of PBI to DISCOM

DISCOM would be eligible to get PBI @ Rs. 0.40 per unit purchased or Rs. 6.6 lakh per MW of capacity installed, whichever is less, for a period of five years from the COD. However, to avail the PBI, DISCOM shall submit following documents after completion of one year from the COD and every year thereafter till five years:

- Timely payment of monthly lease rent, if applicable, to the land owner of the project.
- Monthly units purchased from the plant and corresponding payment made to the project developer.

Applicable PBI would be released to the DISCOM after submission of these documents by DISCOM to MNRE.

B. Roles and responsibilities of stakeholders:

(i) Ministry of New and Renewable Energy:

MNRE shall allocate initial capacity of 1000 MW for Pilot Project to DISCOMs based on their demand and readiness for implementation. Pilot projects will be continuously monitored during implementation and also on completion to evaluate their success and a detailed report will be prepared for recommending further scaling up of the capacity under this component. Such evaluation may be done internally or through external agency as per decision of the MNRE.

Ministry will issue Model PPA and model Lease Agreement for implementation of the scheme.

MNRE will provide Procurement Based Incentive (PBI) to the DISCOMs @ 40 paise/kWh or Rs.6.60 lakhs/MW/year, whichever is lower, for buying solar/ other renewable power under this scheme. The PBI will be given to the DISCOMs for a period of five years from the Commercial Operation Date of the plant. Therefore, the total PBI that shall be payable to DISCOMs will be Rs. 33 Lakh per MW.

(ii) DISCOMs:

The DISCOMs shall have to send their demand for sanction under the scheme along with details on their readiness to implement the component A of the scheme.

The concerned DISCOM shall declare the renewable power capacity that can be connected to a 33/11 kV sub-station and carry-out the procedure for selection of RPG. On selection of RPG, DISCOMs shall issue the LoA and sign PPA with RPG. DISCOMs will provide connectivity at the sub-station to the selected RPG. The DISCOMs will ensure "must-run" status to the solar/ other renewable power plants installed under this scheme and will keep the feeders 'ON'

during sunshine hours of a day. They shall act as facilitator to the beneficiaries in implementation of this scheme.

In case, RPG has taken land from a farmer/group of farmers on lease for the project, the amount of monthly lease rent would be paid by the DISCOMs to the lessor directly in his/her bank account before 5th day of the month following the month for which the lease rent is due. In such a case, the lease rent paid by the DISCOM will be deducted from monthly payment due to the RPG.

(iii) State Nodal Agency (SNA):

State Nodal Agency (SNA) will coordinate with States/UTs, DISCOMs and farmers for implementation of the scheme. They will assist the farmers in project development activities including formulation of DPR, PPA/EPC contracts, getting funds from financial institutions, etc. For settlement of any issues arising during selection of solar/ other renewable energy based power plants and their implementation, a State level Committee under the chairmanship of Principal Secretary (Renewable Energy/Energy) will be setup by the participating State/UT and SNA of that State will be responsible to coordinate/organize the quarterly meetings of the State Level Committee. In addition, SNAs shall ensure publicity of the scheme and create awareness through advertisements etc, and also monitor the implementation of the scheme. The SNA will be eligible to get service charge of Rs.0.25 Lakh per MW after commissioning of the projects.

(iv) Renewable Power Generator (RPG):

Individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/Water User associations (WUA) or projects developer would be the RPG. They have to participate in the selection process to be carried out by DISCOMS. In case of selection, they have to sign PPA and install the plant as per provisions of these guidelines and applicable rules and regulations.

II. Component B: Installation of 17.50 Lakh Stand-alone Solar Pumps

Under this Component, individual farmers will be supported to install standalone solar Agriculture pumps of capacity up to 7.5 HP for replacement of existing diesel Agriculture pumps / irrigation systems in off-grid areas, where grid supply is not available. Installation of new pumps shall also be permitted under this scheme except in dark zone areas. Pumps of capacity higher than 7.5 HP may be allowed, however, the CFA will be limited to the CFA applicable for pump of 7.5 HP. Water User Associations and community/cluster based irrigation system will also be covered under this component. However, priority would be given to small and marginal farmers. In order to minimize the water usage for irrigation purpose, preference will be given to the farmers using Micro irrigation systems or covered under Micro irrigation schemes or who opt for micro irrigation system. The size of pump would be selected on the basis of water table in the area, land covered and quantity of water required for irrigation.

Solar PV capacity in kW for the pump capacity in HP will be allowed as per MNRE specifications under the scheme It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. Further, the motor-pump-set, controller and balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used in the manufacturing of solar water pumping system.

CFA of 30% of the benchmark cost or the tender cost, whichever is lower, of the stand-alone solar Agriculture pump will be provided. The State Government will give a subsidy of 30%; and the remaining 40% will be provided by the farmer. Bank finance may be made available for farmer's contribution, so that farmer has to initially pay only 10% of the cost and remaining up to 30% of the cost as loan. In case the State Government provides subsidy more than 30%, the beneficiary share will reduce accordingly.

However, in North Eastern States, Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, CFA of 50% of the benchmark cost or the tender cost, whichever is lower, of the stand-alone solar pump will be provided. The State Government will give a subsidy of 30%; and the remaining 20% will be provided by the farmer. Bank finance may be made available for farmer's contribution, so that farmer has to initially pay only 10% of the cost and remaining up to 10% of the cost as loan. In case the State Government provides subsidy more than 30%, the beneficiary share will reduce accordingly.

New Solar Agriculture pumps would not be covered under this component in Dark zones/black zones. However, existing standalone diesel pumps, can be converted into standalone solar pumps in these areas provided they use micro irrigation techniques to save water.

Possibilities would be explored by implementing agencies for convergence of present scheme with schemes on promotion of micro irrigation system and replacement of agriculture pumps with energy efficient pumps and they may work out the modalities in coordination with respective Ministries/Departments.

Further, whenever the grid reaches in the off-grid area, the stand alone Solar Agriculture Pumps can be connected to the grid to feed surplus power depending on grid capacity. DISCOMs may purchase this surplus power from the farmer at the rate decided by the respective State/SERC.

DISCOMs/ Agricultural Department/ Minor Irrigation Department / any other Department designated by State Government will be the implementing agencies for this component. 2% of the eligible CFA will be provided as service charges in totality to all the agencies involved in implementation including the designated State Implementing Agency. Part of service charges (to be decided by MNRE) shall be given to the central agency for centralised tendering. Additionally, some part of the service charge may also be retained by MNRE for nation-wide centralized IEC activities.

a. Allocation and procurement of pumps

State-wise allocation of solar pumps will be issued by MNRE once in a year or as and when required, after approval by a Screening Committee under the chairmanship of Secretary, MNRE. Much before the start of every financial year during the Scheme tenure, MNRE will call for submission of demand from the implementation agencies. Based on overall target for the year and the demand received from implementation agencies, MNRE will allocate quantity of pumps to the implementation agencies in the States. On acceptance of the allocated quantity by the implementation agencies and submission of detailed proposal as per MNRE format, within a given time period, final sanction will be issued by MNRE. MNRE will have the discretion to amend the sanction any time of the year after ascertaining the pace of progress in any particular state, or as per requirements of the scheme.

Implementing agencies will submit proposals through online portal to MNRE for approval. Offline proposals will not be accepted, unless MNRE has given a general exemption from the requirement of online submission to any agency for any specific period of time.

Proposals for new installations will only be considered by the Screening Committee. Proposals wherein the systems have already been installed/ under installation will not be considered for approval under the Programme by the Screening Committee.

There will be centralized tendering of solar water pumping system through Central PSUs. These CPSUs will carry out tendering process as per Guidelines and standards & specifications issued by MNRE. Any deviation shall normally be not permissible except in specific cases with the approval of Secretary, MNRE.

For centralized tendering the designated CPSUs may come out region-wise/State-wise tenders, however, their role will be limited to selection of bidders and discovery of rates. To ensure quality and post installation services only manufacturers of solar water pumps or controllers or manufacturers of solar panels would be allowed to participate in the bidding process. Normally, three bidders would be selected and they have to match L1 rates and the quantity allocated to those who agree to match the L1 rates they would be 50%, 30%, and 20% of the total tender quantity respectively in the ascending order of rates quoted by them. Number of bidders selected may vary depending upon the tender quantity. The selection of beneficiaries and implementation of scheme would be the responsibility of the State Implementation Agency. Cluster based approach would be used for allocation of districts to the selected bidders to optimize the resources and ensure quality services made available to the farmer. As far as possible contiguous districts would be allotted to the successful bidders, with the total requirements of pumps in the allocated area matching the quantity allotted to them.

Installation of 17.5 lakh Stand-alone Solar Water Agriculture Pumping Systems will create solar PV capacity of over 8000 MW. Since pumps are generally used for 150 days in a year, this capacity can be optimally utilized by using Universal Solar Pump Controller (USPC), through which farmer can use solar power for other activities like operating chaff cutter, floor mill, cold storage, drier, battery charges, etc., and increase his income. Option would be given to the farmer to opt for USPC and additional cost of solar PV pumping system with USPC would be discovered by the tendering agency. The entire additional cost for solar pumping system with USPC would be borne by the farmer. States/UTs may bear this additional cost to facilitate use of solar energy for other activities and increasing the income of farmers.

In all cases, the successful bidder shall provide AMC for five years from the date of installation, real time monitoring, helpline, district level service centres and comply standards of performance in dealing with complaints/redressal mechanism.

The Implementation Agency would also be responsible for carrying out publicity of the scheme so as to increase awareness amongst potential beneficiaries. For this purpose, apart from their own publicity content, they shall also be guided by advice of MNRE on this matter.

b. Installation timeline and Penalties

Projects for installation of solar Agriculture pumps systems shall be completed within 12 months from the date of sanction by MNRE. However, for North Eastern States including Sikkim, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Lakshadweep and A&N Islands

this time limit will be 15 months from the date of sanction. Extension in project completion timelines, up to a maximum period of three months, will be considered at the level of Group Head in MNRE and upto 6 months at the level of Secretary in MNRE on submission of valid reasons by the implementing agency. However, such extension will attract reduction in service charges to implementing agency as under:

- a. 10% reduction in applicable service charges for delay of more than one month in completion of project.
- b. Further reduction of 10% of service charges for delay of more than two month and up to three months.
- c. Further reduction of 10% of service charges for delay of more than three month and up to six months
- d. No service charges for delay in completion of more than six months.

No extension will be granted beyond six months and only the systems which are installed in all respects and commissioned within stipulated time period will be considered for release of CFA.

c. Release of funds

Funds up to 40% of the applicable CFA for the sanctioned quantity would be released as advance to the implementing agency only after placement of letter of award(s) to the selected vendors. The implementing agencies may pass on this fund to the selected vendors in different stages on achievement of various milestones as per terms and conditions of letter of award(s). Second installment up to 30% of the applicable CFA would be released on submission of UCs and SoE for the first release. The balance eligible CFA along with applicable service charges would be released on acceptance of the Project Completion Report in the prescribed format, Utilization Certificates as per GFR and other related documents by the Ministry.

d. Monitoring and maintenance

Selected vendors shall be responsible for design, supply, installation and commissioning of solar agriculture pumps. Vendors will mandatorily provide AMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft. AMC will include inspection by Vendor at least once in a quarter and submission of quarterly inspection report of the installed pumps as per prescribed format. To ensure timely maintenance of the systems the vendor shall have one authorized service centre in each operational district and a helpline in local language in each operational State. Helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.

All solar Agriculture pumps sanctioned under the Programme shall be provided with remote monitoring system by the vendor. It will be mandatory to submit performance data of solar power plant online to MNRE in the manner and format prescribed by MNRE.

Monitoring of the Scheme and its implementation will be carried out during the period of implementation of the Scheme as is given below:

- i. The implementing agency would be responsible for monitoring parameters such as end-use verification and compilation of statistical information.

- ii. Implementing agencies will submit monthly progress report for the sanctioned projects.
- iii. Funds may be released by implementing agency to the vendor on submission of bank guarantee equivalent to 10% of the cost of systems installed by that vendor for a period of five years. Alternatively, BG may be provided initially for a period of one year which may be extended on year to year basis thereafter.
- iv. The Ministry officials or designated agency may inspect the ongoing installation or installed plants. In case the installed systems are not as per standards, non-functional on account of poor quality of installation, or non-compliance of AMC, the Ministry reserves the right to blacklist the vendor. Blacklisting may inter-alia include the following:
 - a. The Vendor/Firm will not be eligible to participate in tenders for Government supported projects.
 - b. In case, the concerned Director(s) of the firm/company joins another existing or starts/ joins a new firm/company, the company will automatically be blacklisted.

e. Responsibilities of Implementation Agency

The Implementing Agencies will be responsible for the following activities:

- i. Demand aggregation for solar Agriculture pumps through online portal.
- ii. Prepare proposal and submit to MNRE for sanction
- iii. Oversee installation of systems.
- iv. Inspection of installed systems and online submission of completion reports to MNRE.
- v. Submission of utilization certificates and audited statement of expenditure through EAT module and disbursement of MNRE CFA.
- vi. Online submission of monthly and quarterly progress reports.
- vii. Ensure project completion within the given timelines and compliance of MNRE Guidelines and Standards.
- viii. Online and offline maintenance for records.
- ix. Real time monitoring through dedicated web-portal
- x. Performance monitoring of installed system through third party
- xi. Ensure compliance of AMC and training of locals by the vendors.
- xii. Carrying out publicity of the scheme so as to increase awareness, for which purpose advice of MNRE may also be adopted apart from its own publicity.
- xiii. Any other activity to ensure successful implementation of the programme.

III. Component C: Solarisation of 10 Lakh Grid Connected Agriculture Pumps

Under this Component, individual farmers having grid connected agriculture pump will be supported to solarise pumps. Solar PV capacity up to two times of pump capacity in kW is allowed under the scheme. However, State may specify lower solar PV capacity in kW, which

in any case shall be not be less than pump capacity in HP e.g. for 2 HP pump it will not be less than 2 kW. The farmer will be able to use the generated solar power to meet the irrigation needs and the excess solar power will be sold to DISCOMs. Water User Associations and community/cluster based irrigation system will also be covered under this component. However, priority would be given to small and marginal farmers. In order to minimize the water usage for irrigation purpose, preference will be given to the farmers using Micro irrigation systems or covered under Micro irrigation schemes or who opt for Micro irrigation systems.

Possibilities would be explored by implementing agencies for convergence of present scheme with schemes on promotion of micro irrigation system and replacement of agriculture pumps with energy efficient pumps and they may work out the modalities in coordination with respective Ministries/Departments.

It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. Further, the balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used in the solarisation system.

CFA of 30% of the benchmark cost or the tender cost, whichever is lower, of the solar PV component will be provided. The State Government will give a subsidy of 30%; and the remaining 40% will be provided by the farmer. Bank finance may be made available for farmer's contribution, so that farmer has to initially pay only 10% of the cost and remaining up to 30% of the cost as loan. In case the State Government provides subsidy more than 30%, the beneficiary share will reduce accordingly.

However, in North Eastern States, Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, CFA of 50% of the benchmark cost or the tender cost, whichever is lower, of the solar PV component will be provided. The State Government will give a subsidy of 30%; and the remaining 20% will be provided by the farmer. Bank finance may be made available for farmer's contribution, so that farmer has to initially pay only 10% of the cost and remaining up to 10% of the cost as loan. In case the State Government provides subsidy more than 30%, the beneficiary share will reduce accordingly.

Further, the CFA will be limited to Solar PV capacity up to two times of pump capacity in kW for pumps up to 7.5 HP. Solarisation of Pumps of capacity higher than 7.5 HP may be allowed, however, the CFA will be limited to the CFA applicable for pump of 7.5 HP in the respective State/UTs. This will help to create an avenue for extra income to the farmers, and for the DISCOMs to meet their RPO targets. The solar power fed in to the grid and solar power utilized by farmer both will be accounted for fulfillment of solar RPO by the DISCOM.

DISCOM may adopt any of the modalities for solarisation of pumps viz, (i) Net-metering: in this case the agriculture pump will continue to run at rated capacity taking power from solar panels and balance power from grid, if required, and in case solar power generation is higher than required by pump, the additional solar power would be fed to the grid; (ii) Pump to run on solar power only: in this case the pump will run from the solar power as in case of stand-alone solar pump and no power will be drawn from the grid for operation of pump. In case solar power generation is higher than required by pump, the additional solar power would be fed to the grid.

DISCOMs /GENCO/ any other Department designated by State Government will be the implementing agencies. 2% of the eligible CFA will be provided as total service charges to all agencies implementing the scheme including the designated State Implementing Agencies. In case of centralised tendering, some percentage/fixed amount out of service charges (to be decided by MNRE) shall be given to the central agency. MNRE may also retain a certain amount from service charge for nation-wide centralised IEC activities.

This component will be applicable to farmers already connected to grid. Feeder-wise implementation is proposed to be carried out. All agriculture pumps in a feeder will be solarised, however, States may impose a minimum solarisation requirement for a feeder in terms of minimum % of pumps solarized on that feeder.

In case of dark zones/black zones only existing grid connected pumps will be solarized provided they use micro irrigation techniques to save water.

Possibilities would be explored by implementing agencies for convergence of present scheme with schemes on promotion of micro irrigation system and replacement of agriculture pumps with energy efficient pumps and they may work out the modalities in coordination with respective Ministries/Departments.

DISCOMs will purchase excess power from the farmer at the rate decided by the respective State/SERC. The DISCOMs will ensure "must-run" status to the solarised feeders and will keep such feeders 'ON' during sunshine hours of a day.

It will be mandatory for implementing agency to create remote monitoring system to monitor performance of the system post-installation.

States may also formulate state specific policy for grid connected solar pumps, customised to needs of the respective State, keeping the broad framework provided by MNRE intact.

a. Allocation of solarisation capacity and procurement

State-wise allocation for solarisation of pumps will be issued by MNRE once in a year, after approval by a Screening Committee under the chairmanship of Secretary, MNRE. In the beginning of every financial year during the Scheme tenure, MNRE will call for submission of feeder-wise demand for solarization. Based on overall target for the year and the demand received from implementation agencies, MNRE will allocate solarization capacity to the implementation agencies in the States. On acceptance of the allocated quantity by the implementation agencies and submission of detailed proposal as per MNRE format, with in a given time, final sanction will be issued by MNRE.

As per approval, the component is to be implemented on pilot mode for initial one lakh grid connected agriculture pumps and accordingly, initially this capacity will be allocated by MNRE to implementing agencies based on their demand and readiness for implementation of the component. Pilot projects will be continuously monitored during implementation and also on completion to evaluate the success of pilot run and a detailed report will be prepared for recommending further scaling up of the capacity under this component. Such evaluation may be done internally or through external agency as per decision of the MNRE.

Implementing agencies will submit proposals through online portal to MNRE for approval. Offline proposals will not be accepted, unless MNRE has given a general exemption from the requirement of online submission for any specific period of time.

Proposals for new installations will only be considered by the Screening Committee. Proposals wherein the pumps are already solarized prior to sanction of MNRE will not be considered for approval under the Scheme by the Screening Committee.

MNRE may specify either a centralized tendering of solarisation system through Central PSUs or by the State Implementation Agencies. These CPSUs or State Implementation agencies will carry out tendering process as per the Guidelines, standards and specifications issued by MNRE. Any deviation shall normally be not permissible except in specific cases with the approval of Secretary, MNRE

In case of centralized procurement the designated CPSUs may come out with region-wise/State-wise tenders, however, their role will be limited to selection of bidders. The selection of beneficiaries and implementation of scheme would be the responsibility of the State Implementation Agency.

In all cases, the bids shall require the successful bidder to provide for AMC for five years from the date of installation, helpline, district level service centres and comply standards of performance in dealing with complaints.

The Implementation Agency would also be responsible for carrying out publicity of the scheme so as to increase awareness amongst potential beneficiaries. For this purpose, apart from their own publicity content, they shall also be guided by advice of MNRE on this matter.

b. Installation timeline and Penalties

Projects for solarisation of pumping systems shall be completed within 12 months from the date of sanction by MNRE. However, for North Eastern States including Sikkim, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Lakshadweep and A&N Islands this time limit will be 15 months from the date of sanction. Extension in project completion timelines, up to a maximum period of three months, will be considered at the level of Group Head in MNRE and upto 6 months at the level of Secretary in MNRE on submission of valid reasons by the implementing agency. However, such extension will attract reduction in service charges to implementing agency as under:

- a. 10% reduction in applicable service charges for delay of more than one month in completion of project.
- b. Further reduction of 10% of service charges for delay of more than two month and up to three months.
- c. Further reduction of 10% of service charges for delay of more than three month and up to six months
- d. No service charges for delay in completion of more than six months.

No extension will be granted beyond six months and only the systems which are installed in all respects and commissioned within stipulated time period will be considered for release of CFA.

The implementing agencies after submitting proposal to MNRE may choose to start the preparatory activities including tendering process. However, the Letter of Award/Purchase Order shall be placed to the selected vendor(s) only after the issue of sanction letter by MNRE. Further, MNRE will not be responsible for any liabilities arising out of a situation where the proposal is eventually rejected.

c. Release of funds

Funds up to 40% of the applicable CFA for the sanctioned quantity would be released as advance to the implementing agency only after placement of letter of award(s) to the selected vendors. The implementing agencies may pass on this fund to the selected vendors in different stages on achievement of various milestones as per terms and conditions of letter of award(s). Second installment up to 30% of the applicable CFA would be released on submission of UCs and SoE for the first release. The balance eligible CFA along with applicable service charges would be released on acceptance of the Project Completion Report in the prescribed format, Utilization Certificates as per GFR and other related documents by the Ministry.

d. Monitoring and maintenance

Selected vendors shall be responsible for all aspects of solarisation viz., design, supply, installation and commissioning. Vendors will mandatorily provide AMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft. AMC will include submission of quarterly inspection report of the installation as per prescribed format. To ensure timely maintenance of the systems the vendor shall have one authorised service centre in each operational district and a helpline in local language in each operational State.

Under the Programme along with solarisation, the vendor shall also provide a remote monitoring system. It will be mandatory to submit quarterly maintenance report along with performance data of solar power plant online to MNRE in a manner and format prescribed by MNRE.

Monitoring of the Scheme and its implementation will be carried out during the period of implementation of the Scheme as is given below:

- i. The implementing agency would be responsible for monitoring parameters such as end-use verification and compilation of statistical information.
- ii. Implementing agencies will submit monthly progress report for the sanctioned projects.
- iii. Funds may be released by implementing agency to the vendor on submission of bank guarantee equivalent to 10% of the cost of systems installed by that vendor for a period of five years. Alternatively, BG may be provided initially for a period of two years which may be extended on year to year basis thereafter.
- iv. The Ministry officials or designated agency may inspect the ongoing installation or installed plants. In case the installed systems are not as per standards, non-functional on account of poor quality of installation, or non-compliance of AMC, the Ministry reserves the right to blacklist the vendor. Blacklisting may inter-alia include the following:

- a. The Vendor/Firm will not be eligible to participate in tenders for Government supported projects.
- b. In case, the concerned Director(s) of the firm/company joins another existing or starts/ joins a new firm/company, the company will automatically be blacklisted.

e. Responsibilities of Implementation Agency

The Implementing Agencies will be responsible for the following activities:

- i. Issue additional instructions/ conditions such as minimum solarisation level of feeder.
- ii. Issue connectivity standards/regulations, if required, and facilitate connection to the grid.
- iii. Selection of feeder for solarisation and demand aggregation for solarisation of pumps.
- iv. Prepare proposal and submit to MNRE for sanction
- v. Conduct tendering process as per MNRE guidelines
- vi. Oversee installation of systems.
- vii. Inspection of installed systems and online submission of completion reports to MNRE.
- viii. Disbursement of MNRE CFA and submission of utilization certificates and audited statement of expenditure through EAT module.
- ix. Online submission of monthly and quarterly progress reports.
- x. Ensure project completion within the given timelines and compliance of MNRE Guidelines and Standards.
- xi. Online and offline maintenance for records.
- xii. Real time monitoring through dedicated web-portal
- xiii. Performance monitoring of installed system through third party
- xiv. Ensure compliance of AMC and training of locals by the vendors.
- xv. Carrying out publicity of the scheme so as to increase awareness, for which purpose advice of MNRE may also be adopted apart from its own publicity.
- xvi. Any other activity to ensure successful implementation of the programme.

4. Quality Assurance and Evaluation Mechanism

Systems installed under this Programme should meet technical specification and construction standards as specified by BIS and MNRE from time to time. Non-compliance will be taken seriously to the extent of blacklisting of the vendor, in the same manner as specified, apart from taking action under any other law in force. In case of centralized tendering the CPSUs will be responsible for performance evaluation of the selected vendors. Evaluation of pilot implementation of Component-A and Component-C will be carried out through third party selected for this purpose. In order to ensure, the scheme meets expected outcomes continuous evaluation of scheme would be undertaken and mid-course correction, as required, shall be implemented.

5. Interpretation of the Guidelines

In case of any ambiguity in interpretation of any of the provisions of these guidelines, the decision of the Ministry shall be final.

The Guidelines would be reviewed by the Ministry from time to time and necessary modifications would be incorporated after getting approval of Minister, NRE.

Annexure-I

STANDARD
POWER PURCHASE AGREEMENT FOR
PROCUREMENT OF MW _____ POWER ON LONG TERM
BASIS

Between

[Name of Renewable Power Generator]

And

[Name of Distribution Company]

[month and year]

This Power Purchase Agreement is made on the _____ day of _____ of _____ at _____

Between

_____ [name of the Renewable Power Generator], _____, [details of Renewable Power Generator] (hereinafter referred to as “**Renewable Power Generator or RPG**”, which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) as a Party of the **First Part**;

And

_____ [**Distribution Company**], a company incorporated under the Companies Act 1956, having its registered office at _____ (hereinafter referred to as “**DISCOM**”, which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and assignees) as a Party of the **Second Part**;

The RPG and DISCOM are individually referred to as ‘Party’ and collectively referred to as ‘Parties’.

WHEREAS:

- A. The Ministry of New and Renewable Energy [MNRE] has launched a scheme for farmers on 8th March 2019 and issued implementation guidelines on _____.
- B. The MNRE has accorded a sanction and allotted a capacity of _____ MW to DISCOM for under the said scheme of 8th March 2019.
- C. DISCOM had initiated a selection process for procurement of _____ MW of the power generated from the Grid connected _____ Power Project on the terms and conditions contained in the EoI/RfS No. _____ dated _____.
- D. The RPG has been selected in the Process for development, generation and supply of electricity from the _____ MW _____ Power Project to be established by RPG at _____ [location of proposed power plant] and electricity generated to be fed to the _____ [Name and location of 33/11 kV sub-station];
- E. DISCOM has issued the Letter of Award No. _____ dated _____ in favour of the RPG for development and establishment of the _____ MW _____ Power Project as per the terms and conditions contained in the EoI/RfS.
- F. The RPG has furnished the Performance Bank Guarantee in the sum of Rs. _____ in favour of DISCOM as per the format prescribed by the DISCOM.
- G. The RPG has fulfilled the terms and conditions for signing this Power Purchase Agreement as a definitive agreement for establishing the _____ Power Project of _____ MW at _____.

for generation and sale of electricity by the RPG to DISCOM at _____ 33(or 66 or 110)/11 kV S/S;

H. The parties have agreed to execute this Power Purchase Agreement in terms of the EoI/RfS and the Letter of Award in regard to the terms and conditions for establishment of the _____ Power Project at, and for generation and supply of electricity by the RPG to DISCOM.

Now therefore, in consideration of the premises and mutual agreements, covenants and conditions set forth herein, it is hereby agreed by and between the Parties as follows:

ARTICLE 1: DEFINITIONS AND INTERPRETATION

1.1 Definitions

The terms used in this Agreement, unless as defined below or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 and the rules or regulations framed there under, including those issued/framed by the Appropriate Commission (as defined hereunder), as amended or re-enacted from time to time.

"Act" or "Electricity Act, 2003"	shall mean the Electricity Act, 2003 and include any modifications, amendments and substitution from time to time;
"Agreement" or "Power Purchase Agreement" or "PPA"	shall mean this Power Purchase Agreement including its recitals and Schedules, amended or modified from time to time in accordance with the terms hereof;
"Appropriate Commission"	Unless otherwise stated, Appropriate Commission shall be the commission of the state where DISCOM is situated;
"Bill Dispute Notice"	shall mean the notice issued by a Party raising a Dispute regarding a Monthly Bill or a Supplementary Bill issued by the other Party;
"Business Day"	shall mean with respect to RPG and DISCOM, a day other than Sunday or a statutory holiday, on which the banks remain open for business in the State;
"Capacity Utilisation Factor" or "CUF"	shall have the same meaning as provided in CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2009 as amended from time to time; However for avoidance of any doubt, it is clarified that the CUF shall be calculated on the Contracted Capacity; In any Contract Year, if 'X' MWh of energy has been metered out at the Delivery Point for 'Y' MW Project capacity, $CUF = (X \text{ MWh} / (Y \text{ MW} * 8766)) * 100\%$;
"Change in Law"	shall have the meaning ascribed thereto in Article 12 of this Agreement;

"Commercial Operation Date (COD)"	shall mean the date on which the commissioning certificate is issued upon successful commissioning (as per provisions of this Agreement) of the project;
"Competent Court of Law"	shall mean any court or tribunal or any similar judicial or quasi-judicial body in India that has jurisdiction to adjudicate upon issues relating to this Agreement;
"Consents, Clearances and"	shall mean all authorizations, licenses, approvals, registrations, permits, waivers,
"Permits"	privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the purpose of setting up of the generation facilities and/ or supply of power;
"Consultation Period"	shall mean the period of ninety (90) days or such other longer period as the Parties may agree, commencing from the date of issuance of a RPG Preliminary Default Notice or DISCOM Preliminary Default Notice as provided in Article 13 of this Agreement, for consultation between the Parties to mitigate the consequence of the relevant event having regard to all the circumstances;
"Contract Year"	shall mean the period beginning from the Effective Date and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that: (i) in the financial year in which the COD would occur, the Contract Year shall end on the date immediately before the COD and a new Contract Year shall commence once again from the COD and end on the immediately succeeding March 31, and thereafter each period of twelve (12) months commencing on April 1 and ending on March 31, and (ii) provided further that the last Contract Year of this Agreement shall end on the last day of the Term of this Agreement
"Contracted Capacity"	shall mean [Insert capacity] MW contracted with DISCOM for supply by the RPG to DISCOM at the Delivery Point from the _____ Power Project;
"Delivery Point"	"Delivery Point" shall mean the point at the voltage level of 11kV or above of the 33/11 kV Sub-station. Metering shall be done at this interconnection point where the power is injected into the 33/11 kV Sub-station. For interconnection with grid and metering, the RPG shall abide by the relevant and applicable regulations, Grid Code notified by the State Commission and Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended and revised from time to time, or orders passed thereunder by the Appropriate Commission or CEA. All charges and losses related to Transmission of power from project up to Delivery Point as notified by the Appropriate Commission shall be borne by the RPG.

"Dispute"	shall mean any dispute or difference of any kind between DISCOM and the RPG, in connection with or arising out of this Agreement including but not limited to any issue on the interpretation and scope of the terms of this Agreement as provided in Article 16 of this Agreement;
"Due Date"	Due Date shall mean the forty-fifth (45th) day after a Monthly Bill (including all the relevant documents) or a Supplementary Bill is received in hard copy and duly acknowledged by the DISCOM or, if such day is not a Business Day, the immediately succeeding Business Day, by which date such Monthly Bill or a Supplementary Bill is payable by the DISCOM.
"Effective Date"	shall have the meaning ascribed thereto in Article 2.1 of this Agreement;
"Electricity Laws"	shall mean the Electricity Act, 2003 and the rules and regulations made there under from time to time along with amendments thereto and replacements thereof and any other Law pertaining to electricity including regulations framed by the Appropriate Commission;
"Event of Default"	shall mean the events as defined in Article 13 of this Agreement;
"Expiry Date"	Shall mean the date occurring twenty five (25) years from the Commercial Operation Date subject to that the supply of power shall be limited for a period of 25 years from the COD unless extended by the Parties as per this Agreement;
"Financing Agreements"	shall mean the agreements pursuant to which the RPG has sought financing for the Power Project including the loan agreements, security documents, notes, indentures, security agreements, letters of credit and other documents, as may be amended, modified, or replaced from time to time, but without in anyway increasing the liabilities of DISCOM;
"Force Majeure" or "Force Majeure Event"	shall have the meaning ascribed thereto in Article 11 of this Agreement;
"Indian Governmental Instrumentality"	shall mean the Government of India, Governments of state of _____ and any ministry, department, board, authority, agency, corporation, commission under the direct or indirect control of Government of India or the above state Government or both, any political sub-division of any of them including any court or Appropriate Commission or tribunal or judicial or quasi-judicial body in India;
"Insurances"	shall mean the insurance cover to be obtained and maintained by the RPG in accordance with Article 8 of this Agreement;

"Interconnection Facilities"	shall mean the facilities on RPG's side of the Delivery Point for scheduling, transmitting and metering the electrical output in accordance with this Agreement and which shall include, without limitation, all other transmission lines and associated equipment, transformers, relay and switching equipment and protective devices, safety equipment and RTU, Data Transfer and Acquisition facilities for transmitting data subject to Article 7, the Metering System required for supply of power as per the terms of this Agreement;
"Invoice" or "Bill"	shall mean either a Monthly Bill / Supplementary Bill or a Monthly Invoice/ Supplementary Invoice raised by any of the Parties;
"Late Payment Surcharge"	shall have the meaning ascribed thereto in Article 10.3.3 of this Agreement;
"Law"	shall mean in relation to this Agreement, all laws including Electricity Laws in force in India and any statute, ordinance, regulation, notification or code, rule, or any interpretation of any of them by an Indian Governmental Instrumentality and having force of law and shall further include without limitation all applicable rules, regulations, orders, notifications by an Indian Governmental Instrumentality pursuant to or under any of them and shall include without limitation all rules, regulations, decisions and orders of the Appropriate Commissions;
"Letter of Credit" or "L/C"	shall have the meaning ascribed thereto in Article 10.4 of this Agreement;
"Letter of Award" or "LoA"	shall mean Letter of Award issued by the DISCOM to the RPG for the project;
"MNRE"	shall mean the Ministry of New and Renewable Energy, Government of India;
"Month"	shall mean a period of thirty (30) days from (and excluding) the date of the event, where applicable, else a calendar month;
"Party" and "Parties"	shall have the meaning ascribed thereto in the recital to this Agreement;
"Payment Security Mechanism"	shall have the meaning ascribed thereto in Article 10.4 of this Agreement;

"Power Project" or "Project"	shall mean the _____ power generation facility of Contracted Capacity of[Insert capacity] MW, located at, [Insert name of the District and State] having a separate control system, metering and separate points of injection into the grid at Delivery point of 33/11 kV substation. The Project shall include all units and auxiliaries such as water supply, treatment or storage facilities, bay(s) for transmission system in the switchyard, dedicated transmission line up to the Delivery Point and all the other assets, buildings/structures, equipment, plant and machinery, facilities and related assets required for the efficient and economic operation of the power generation facility, whether completed or at any stage of development and construction or intended to be developed and constructed for the purpose of supply of power as per this Agreement;
"Preliminary Default Notice"	shall have the meaning ascribed thereto in Article 13 of this Agreement;
"Project Capacity"	shall mean the maximum AC capacity of the Project at the point of injection on which the Power Purchase Agreement has been signed.
"Prudent Utility Practices"	shall mean the practices, methods and standards that are generally accepted internationally from time to time by electric utilities for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation and maintenance of power generation equipment and which practices, methods and standards shall be adjusted as necessary, to take account of: a) operation and maintenance guidelines recommended by the manufacturers of the plant and equipment to be incorporated in the Power Project; b) the requirements of Indian Law; and the physical conditions at the site of the Power Project
"Rebate"	shall have the same meaning as ascribed thereto in Article 10.3.5 of this Agreement;
"Rupees", "Rs.", "₹"	shall mean Indian rupees, the lawful currency of India;
"Scheduled Commissioning Date" or "SCD" of the Project	Shall mean [Insert Date that is nine (9) Months from the Date of issuance of LoA by the DISCOM to the RPG];
"Tariff"	Shall have the same meaning as provided for in Article 9 of this Agreement;
"Tariff Payment"	shall mean the payments to be made under Monthly Bills as referred to in Article 10 and the relevant Supplementary Bills;
"Termination Notice"	shall mean the notice given by either Parties for termination of this Agreement in accordance with Article 13 of this Agreement;

"Term of Agreement"	shall have the meaning ascribed thereto in Article 2 of this Agreement;
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ARTICLE 2: TERM OF AGREEMENT

2.1 *Effective Date*

2.1.1 This Agreement shall come into effect from _____ and such date shall be referred to as the Effective Date.

2.2 *Term of Agreement*

2.2.1 Subject to Article 2.3 and 2.4 of this Agreement, this Agreement shall be valid for a term from the Effective Date until the Expiry Date. This Agreement may be extended for a further period at least one hundred eighty (180) days prior to the Expiry Date, on mutually agreed terms and conditions.

2.2.2 The RPG is free to operate their plants beyond the Expiry Date if other conditions like land lease / Right to Use of Land (as applicable), permits, approvals and clearances etc. allow. In such case unless otherwise agreed by the DISCOM, DISCOM shall not be obligated to procure power beyond the Expiry Date.

2.3 *Early Termination*

2.3.1 This Agreement shall terminate before the Expiry Date if either DISCOM or RPG terminates the Agreement, pursuant to Article 13 of this Agreement.

2.4 *Survival*

2.4.1 The expiry or termination of this Agreement shall not affect any accrued rights, obligations and liabilities of the Parties under this Agreement, including the right to receive penalty as per the terms of this Agreement, nor shall it affect the survival of any continuing obligations for which this Agreement provides, either expressly or by necessary implication, which are to survive after the Expiry Date or termination including those under Article 11 (Force Majeure), Article 13 (Events of Default and Termination), Article 14 (Liability and Indemnification), Article 16 (Governing Law and Dispute Resolution), Article 17 (Miscellaneous Provisions), and other Articles and Schedules of this Agreement which expressly or by their nature survive the Term or termination of this Agreement shall continue and survive any expiry or termination of this Agreement.

ARTICLE 3: CONDITIONS SUBSEQUENT

3.1 The RPG agrees and undertakes to make Project Financing Arrangements for its Project and shall provide necessary documents to DISCOM in this regard within six Months from the Date of issue of LoA by DISCOM for the project.

ARTICLE 4: CONSTRUCTION & DEVELOPMENT OF THE PROJECT

4.1 *RPG's Obligations*

4.1.1 The RPG undertakes to be responsible, at RPG's own cost and risk, for:

- a) The RPG shall be solely responsible and make arrangements for Land & associated infrastructure for development of the Project and for Connectivity with the 33/11 kV sub-station for confirming the evacuation of power by the Scheduled Commissioning date or COD, whichever is earlier, and all clearances related thereto;
The RPG shall furnish the necessary documents to establish possession in the name of the Project Developer of the required land/ Lease Agreement;
- b) obtaining all Consents, Clearances and Permits as required and maintaining all documents.
- c) Designing, constructing, erecting, commissioning, completing and testing the Power Project in accordance with the applicable Law, the Grid Code, the terms and conditions of this Agreement and Prudent Utility Practices.
- d) the commencement of supply of power up to the Contracted Capacity to DISCOM no later than the Scheduled Commissioning Date and continuance of the supply of power throughout the term of the Agreement;
- e) Connecting the Power Project switchyard with the Interconnection Facilities at the Delivery Point. The RPG shall make adequate arrangements to connect the Power Project switchyard with the Interconnection Facilities at Interconnection / Metering / Delivery Point.
- f) owning the Power Project throughout the Term of Agreement free and clear of encumbrances, except those expressly permitted under Article 15;
- f) fulfilling all obligations undertaken by the RPG under this Agreement.
- g) The RPG shall be responsible to for directly coordinating and dealing with the DISCOM, and other authorities in all respects in regard to declaration of availability, scheduling and dispatch of Power and due compliance with deviation and settlement mechanism and the applicable Grid code/State Regulations.

4.2 *Purchase and sale of Contracted Capacity*

4.2.1 Subject to the terms and conditions of this Agreement, the RPG undertakes to sell to DISCOM and DISCOM undertakes to pay Tariff for all the energy supplied at the Delivery Point corresponding to the Contracted Capacity.

4.3 *Right to Contracted Capacity & Energy*

4.3.1 DISCOM, in any Contract Year shall not be obliged to purchase any additional energy from the RPG beyond the contract capacity. If for any Contract Year except for the first year of operation, it is found that the RPG has not been able to generate minimum energy ofMillion kWh (MU) till the end of 10 years from the COD and Million kWh (MU) for the rest of the Term of the Agreement, on account of reasons solely attributable to the RPG, the non-compliance by RPG shall make the RPG liable to pay the compensation. For the first year of operation, the above limits shall be considered on pro-rata basis. The lower limit will, however be relaxable by DISCOM to the extent

of grid non-availability for evacuation which is beyond the control of the RPG. This compensation shall be applied to the amount of shortfall in generation during the Contract Year. The amount of such penalty shall be as determined by the Appropriate Commission, and such penalty shall ensure that the DISCOM is offset for all potential costs associated with low generation and supply of power under the PPA. However, the minimum compensation payable to DISCOM by the RPG shall be 25% (twenty-five percent) of the cost of this shortfall in energy terms, calculated at PPA tariff. This compensation shall not be applicable in events of Force Majeure identified under PPA.

4.3.2 In case at any point of time, the peak of capacity reached is higher than the contracted capacity and causes disturbance in the system at the point where power is injected, the RPG will have to forego the excess generation and reduce the output to the contract capacity and shall also have to pay the penalty/charges (if applicable) as per applicable regulations.

4.4 *Extensions of Time*

4.4.1 In the event that the RPG is prevented from performing its obligations under Article 4.1 by the Scheduled Commissioning Date due to:

- a) any DISCOM Event of Default; or
- b) Force Majeure Events affecting DISCOM, or
- c) Force Majeure Events affecting the RPG,

the Scheduled Commissioning Date and the Expiry Date shall be deferred, subject to Article 4.4.5, for a reasonable period but not less than 'day for day' basis, to permit the RPG or DISCOM through the use of due diligence, to overcome the effects of the Force Majeure Events affecting the RPG or DISCOM, or till such time such Event of Default is rectified by DISCOM.

4.4.2 In case of extension due to reasons specified in Article 4.4.1(b) and (c), and if such Force Majeure Event continues even after a maximum period of three (3) months, any of the Parties may choose to terminate the Agreement as per the provisions of Article 13.5. In case neither party terminates the agreement under this clause, the agreement shall stand terminated on the expiry of twelve (12) months of the continuation of the Force majeure event unless the parties mutually agree to extend the agreement for the further period.

4.4.3 If the Parties have not agreed, within thirty (30) days after the affected Party's performance has ceased to be affected by the relevant circumstance, on the time period by which the Scheduled Commissioning Date or the Expiry Date should be deferred, any Party may raise the Dispute to be resolved in accordance with Article 16.

4.4.4 As a result of such extension, the newly determined Scheduled Commissioning Date and newly determined Expiry Date shall be deemed to be the Scheduled Commissioning Date and the Expiry Date for the purposes of this Agreement.

4.4.5 Notwithstanding anything to the contrary contained in this Agreement, any extension of the Scheduled Commissioning Date arising due to any reason envisaged in this Agreement shall not be allowed beyond the date pursuant to Article 4.5.2.

4.4.6 Delay in commissioning of the project beyond the scheduled commissioning date for reasons other than those specified in Article 4.4.1 shall be an event of default on part of the RPG and shall be subject to the consequences specified in the Article 4.5.

4.5 ***Liquidated Damages not amounting to penalty for delay in Commissioning***

4.5.1 If the RPG is unable to commission the Project by the Scheduled Commissioning Date other than for the reasons specified in Article 4.4.1, the RPG shall pay to DISCOM, damages for the delay in such commissioning and making the Contracted Capacity available for dispatch by the Scheduled Commissioning Date as per the following:

Delay beyond the Scheduled Commissioning Date upto (& including) the date as on nine months from the Date of issue of LoA: The total Performance Bank Guarantee amount shall be encashed on per day basis and proportionate to the balance capacity not commissioned.

4.5.2 The maximum time period allowed for commissioning of the full Project Capacity with encashment of Performance Bank Guarantee shall be limited to 11 Months from the Date of issue of LoA. In case, the Commissioning of the Project is delayed beyond 11 Months from the Date of issue of LoA, it shall be considered as an RPG Event of Default and provisions of Article 13 shall apply and the Contracted Capacity shall stand reduced / amended to the Project Capacity Commissioned within 11 Months of the Date of issue of LoA and the PPA for the balance Capacity will stand terminated and shall be reduced from the project capacity.

4.5.3 The RPG further acknowledge that the amount of the liquidated damages fixed is genuine and reasonable pre-estimate of the damages that may be suffered by DISCOM.

4.6 ***Acceptance/Performance Test***

4.6.1 Prior to synchronization of the Power Project, the RPG shall be required to get the Project certified for the requisite acceptance/performance test as may be laid down by respective authorities.

4.7 ***Third Party Verification***

4.7.1 The RPG shall be further required to provide entry to the site of the Power Project free of all encumbrances at all times during the Term of the Agreement to DISCOM and a third Party nominated by any Indian Governmental Instrumentality for inspection and verification of the works being carried out by the RPG at the site of the Power Project.

4.7.2 The third party may verify the construction works/operation of the Power Project being carried out by the RPG and if it is found that the construction works/operation of the Power Project is not as per the Prudent Utility Practices, it may seek clarifications from RPG or require the works to be stopped or to comply with the instructions of such third party.

4.8 ***Breach of Obligations***

4.8.1 The Parties herein agree that during the subsistence of this Agreement, subject to DISCOM being in compliance of its obligations & undertakings under this Agreement, the RPG would have no right to negotiate or enter into any dialogue with any third party for the sale of Contracted Capacity of power which is the subject matter of this Agreement. It is the specific understanding between the Parties that such bar will apply throughout the entire term of this Agreement.

4.9 ***Generation compensation for Off-take constraints***

4.9.1 Generation Compensation in offtake constraints due to Grid Unavailability: During the operation of the plant, there can be some periods where the Project can generate power but due to temporary transmission unavailability, the power is not evacuated, for reasons not attributable to the RPG. In such cases, subject to the submission of documentary evidences from the competent authority, the generation compensation shall be restricted to the following and there shall be no other claim, directly or indirectly against DISCOM:

Duration of Grid unavailability	Provision for Generation Compensation
Grid unavailability in a contract year as defined in the PPA: (only period from 8 am to 6 pm to be counted):	<i>Generation Loss = [(Average Generation per hour during the Contract Year) × (number of hours of grid unavailability during the Contract Year)]</i> Where, Average Generation per hour during the Contract Year (kWh) = Total generation in the Contract Year (kWh) ÷ Total hours of generation in the Contract Year.

The excess generation by the RPG equal to this generation loss shall be procured by DISCOM at the PPA tariff so as to offset this loss in the succeeding 3 (three) Contract Years.

4.9.2 Offtake constraints due to Backdown: The RPG and DISCOM shall follow the forecasting and scheduling process as per the regulations in this regard by the Appropriate Commission. In the eventuality of backdown, subject to the submission of documentary evidences from the competent authority, the RPG shall be eligible for a minimum generation compensation, from DISCOM, restricted to the following and there shall be no other claim, directly or indirectly against DISCOM:.

Duration of Backdown	Provision for Generation Compensation
Hours of Backdown during a monthly billing cycle.	<i>Minimum Generation Compensation = 50% of [(Average Generation per hour during the month) X (number of backdown hours during the month)] X PPA tariff</i> Where, Average Generation per hour during the month (kWh) = Total generation in the month (kWh) ÷ Total hours of generation in the month

The RPG shall not be eligible for any compensation in case the Backdown is on account of events like consideration of grid security or safety of any equipment or personnel or other such conditions. The Generation Compensation shall be paid as part of the energy bill for the successive month after JMR.

ARTICLE 5: SYNCHRONISATION, COMMISSIONING AND COMMERCIAL OPERATION

5.1 *Synchronization, Commissioning and Commercial Operation*

5.1.1 The RPG shall give the DISCOM at least thirty (30) days' advanced preliminary written notice and at least fifteen (15) days' advanced final written notice, of the date on which it intends to synchronize the Power Project to the Grid System.

5.1.2 Subject to Article 5.1.1, the Power Project may be synchronized by the RPG to the Grid System when it meets all the connection conditions prescribed in applicable Grid Code then in effect and otherwise meets all other Indian legal requirements for synchronization to the Grid System.

5.1.3 The synchronization equipment and all necessary arrangements / equipment including RTU for scheduling of power generated from the Project and transmission of data to the concerned authority as per applicable regulation shall be installed by the RPG at its generation facility of the Power Project at its own cost. The RPG shall synchronize its system with the Grid System only after the approval of synchronization scheme is granted by the head of the concerned substation/ and checking/verification is made by the concerned authorities of the DISCOM.

5.1.4 The RPG shall immediately after each synchronization/tripping of generator, inform the substation of the Grid System to which the Power Project is electrically connected in accordance with applicable Grid Code. In addition, the RPG will inject in-firm power to grid time to time to carry out operational/ functional test prior to commercial operation. For avoidance of doubt, it is clarified that Synchronization / Connectivity of the Project with the grid shall not to be considered as Commissioning of the Project.

5.1.5 The RPG shall commission the Project within nine (9) Months from the Date of issue of LoA. Declaration of COD shall only be done upon the successful visit by the Commissioning Committee.

5.1.6 The Parties agree that for the purpose of commencement of the supply of electricity by RPG to DISCOM, liquidated damages for delay etc., the Scheduled Commissioning Date as defined in this Agreement shall be the relevant date.

ARTICLE 6: DISPATCH AND SCHEDULING

6.1 *Dispatch and Scheduling*

6.1.1 The RPG shall be required to schedule its power as per the applicable regulations of SERC /SLDC or any other competent agency and same being recognized by the SLDC or any other competent authority / agency as per applicable regulation/ law / direction and maintain compliance to the applicable Codes/ Grid Code requirements and directions, if any, as specified by concerned SLDC from time to time. Any deviation from the Schedule will attract the provisions of applicable regulation / guidelines / directions and any financial implication on account of this shall be on the account of the RPG.

6.1.2 The RPG shall be responsible for directly coordinating and dealing with the DISCOM, State Load Dispatch Centers, and other authorities in all respects in regard to declaration of availability, scheduling and despatch of Power and due compliance with deviation and settlement mechanism and the applicable Grid code Regulations.

6.1.3 The RPG shall be responsible for any deviation from scheduling and for any resultant liabilities on account of charges for deviation as per applicable regulations. UI charges on this account shall be directly paid by the RPG.

6.1.4 Auxiliary power consumption will be treated as per the concerned state regulations.

ARTICLE 7: METERING

7.1 *Meters*

7.1.1 For installation of Meters, Meter testing, Meter calibration and Meter reading and all matters incidental thereto, the RPG and DISCOM shall follow and be bound by the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006, the Grid Code, as amended and revised from time to time.

7.1.2 The RPG shall bear all costs pertaining to installation, testing, calibration, maintenance, renewal and repair of meters at RPG's side of Delivery Point.

7.1.3 In addition to ensuring compliance of the applicable codes, the RPG shall install Main & Check meters at the Delivery Point, along with Stand-by meter(s) as per the applicable regulations of the State where the Project is located.

7.2 *Reporting of Metered Data and Parameters*

7.2.1 The grid connected renewable power plants will install necessary equipment for regular monitoring of required data and simultaneously for monitoring of the electric power generated from the Project.

7.2.2 Online arrangement would have to be made by the RPG for submission of above data regularly for the entire period of this Power Purchase Agreement to the DISCOM, the MNRE and concerned agency as per applicable regulation / directions.

7.2.3 Reports on above parameters on monthly basis (or as required by regulation / guidelines) shall be submitted by the RPG to Ministry of New and Renewable Energy/National Institute of Solar Energy through DISCOM for entire period of PPA.

ARTICLE 8: INSURANCES

8.1 Insurance

8.1.1 The RPG shall effect and maintain or cause to be effected and maintained, at its own cost and expense, throughout the Term of PPA, Insurances against such risks to keep the Project in good condition and shall take Industrial All Risk insurance policy covering risks against any loss or damage, with such deductibles and with such endorsements and co-insured(s), which the Prudent Utility Practices would ordinarily merit maintenance of and as required under the Financing Agreements, and under the applicable laws.

8.2 Application of Insurance Proceeds

8.2.1 In case of the Project not being implemented through Financing Agreement(s), save as expressly provided in this Agreement or the Insurances, the proceeds of any insurance claim made due to loss or damage to the Power Project or any part of the Power Project shall be first applied to reinstatement, replacement or renewal of such loss or damage.

In case of the Project being financed through Financing Agreement(s), save as expressly provided in this Agreement or the Insurances, the proceeds of any insurance claim made due to loss or damage to the Power Project or any part of the Power Project shall be applied as per such Financing Agreements.

8.2.2 If a Force Majeure Event renders the Power Project no longer economically and technically viable and the insurers under the Insurances make payment on a "total loss" or equivalent basis, DISCOM shall have claim on such proceeds of such Insurance limited to outstanding dues of DISCOM against RPG.

8.3 Effect on liability of DISCOM

8.3.1 Notwithstanding any liability or obligation that may arise under this Agreement, any loss, damage, liability, payment, obligation or expense which is insured or not or for which the RPG can claim compensation, under any Insurance shall not be charged to or payable by DISCOM. It is for the RPG to ensure that appropriate insurance coverage is taken for payment by the insurer for the entire loss and there is no under insurance or short adjustment etc.

ARTICLE 9: APPLICABLE TARIFF

9.1 The RPG shall be entitled to receive the Tariff of Rs. / kWh, fixed for the entire term of this Agreement, with effect from the COD, for the power sold to the DISCOM as reflected in the Energy Accounts.

ARTICLE 10: BILLING AND PAYMENT

10.1 General

10.1.1 From the commencement of supply of power, DISCOM shall pay to the RPG the monthly Tariff Payments subject to the adjustments as per provisions of this Agreement including Article 6, in accordance with Article 9. All Tariff Payments by DISCOM shall be in Indian Rupees.

10.1.2 The RPG shall be required to make arrangements and payments for import of energy (if any) as per applicable regulations.

10.2 Delivery and Content of Monthly Bills/Supplementary Bills

10.2.1 The RPG shall issue to DISCOM hard copy of a signed Monthly Bill for the immediately preceding Month based on the JMR/Energy Account along with all relevant documents (payments made by RPG for drawl of power, payment of reactive energy charges, Metering charges or any other charges as per regulations of SERC/SLDC, if applicable.)

Each Monthly Bill shall include all charges as per this Agreement for the energy supplied for the relevant Month based on JMR/Energy Accounts. The Monthly Bill amount shall be the product of the energy as per Energy Accounts and the Applicable Tariff. Energy drawn from the grid will be regulated as per the regulations of respective State the Project is located in.

10.3 Payment of Monthly Bills

10.3.1 DISCOM shall pay the amount payable under the Monthly Bill by the Due Date to such account of the RPG, as shall have been previously notified by the RPG.

10.3.2 All payments required to be made under this Agreement shall also include any deduction or set off for:

- i) deductions required by the Law; and
- ii) Amount claimed by DISCOM, if any, from the RPG, will be adjusted from the monthly energy payment.

The RPG shall open a bank account (the "RPG's Designated Account") for all Tariff Payments to be made by DISCOM to the RPG, and notify DISCOM of the details of such account at least sixty (60) Days before the dispatch of the first Monthly Bill.

10.3.3 Late Payment Surcharge

In the event of delay in payment of a Monthly Bill by DISCOM beyond thirty (30) days of its Due Date, a Late Payment Surcharge shall be payable to the RPG at the rate of 1.25% per month on the

outstanding amount calculated on a day to day basis. The Late Payment Surcharge shall be claimed by the RPG through the Supplementary Bill.

10.3.5 ***Rebate***

For payment of any Bill on or before Due Date, the following Rebate shall be paid by the RPG to DISCOM in the following manner and the RPG shall not raise any objections to the payments made under this article.

- a) A Rebate of 2% shall be payable to the DISCOM for the payments made within a period of seven clear working days of the presentation of hard copy of Bill along with required supporting documents at DISCOM office.
- b) Any payments made after seven clear working days of the date of presentation of hard copy of the Bill along with the required supporting documents at DISCOM office up to the Due Date shall be allowed a rebate of 1 %.
- c) For the above purpose, the date of presentation of Bill shall be the next Business Day of delivery of the physical copy of the Bill at DISCOM. .
- d) No Rebate shall be payable on the Bills raised on account of Change in Law relating to taxes, duties, cess etc. and on Supplementary Bill.

For the above purpose date of presentation of bill shall be the same day of delivery in hard copy. However, for consideration of rebate, next business day shall be considered.

10.4 ***Payment Security Mechanism***

Letter of Credit (LC):

10.4.1 DISCOM shall provide to the RPG, in respect of payment of its Monthly Bills and/or Supplementary Bills, a monthly unconditional, revolving and irrevocable letter of credit ("Letter of Credit"), opened and maintained which may be drawn upon by the RPG in accordance with this Article.

10.4.2 Not later than one (1) Month before the start of supply, DISCOM through a scheduled bank open a Letter of Credit in favour of the RPG, to be made operative from a date prior to the Due Date of its first Monthly Bill under this Agreement. The Letter of Credit shall have a term of twelve (12) Months and shall be renewed annually, for an amount equal to:

- i) for the first Contract Year, equal to the estimated average monthly billing;
- ii) for each subsequent Contract Year, equal to the average of the monthly billing of the previous Contract Year.

10.4.3 Provided that the RPG shall not draw upon such Letter of Credit prior to the Due Date of the relevant Monthly Bill and/or Supplementary Bill, and shall not make more than one drawal in a Month.

10.4.4 Provided further that if at any time, such Letter of Credit amount falls short of the amount specified in Article 10.4.2 due to any reason whatsoever, DISCOM shall restore such shortfall within fifteen (15) days.

10.4.5 DISCOM shall cause the scheduled bank issuing the Letter of Credit to intimate the RPG, in writing regarding establishing of such irrevocable Letter of Credit.

10.4.6 DISCOM shall ensure that the Letter of Credit shall be renewed not later than its expiry.

10.4.7 All costs relating to opening, maintenance of the Letter of Credit shall be borne by DISCOM.

10.4.8 If DISCOM fails to pay undisputed Monthly Bill or Supplementary Bill or a part thereof within and including the Due Date, then, subject to Article 10.4.6 & 10.5.2, the RPG may draw upon the Letter of Credit, and accordingly the bank shall pay without any reference or instructions from DISCOM, an amount equal to such Monthly Bill or Supplementary Bill or part thereof, in accordance with Article 10.4.3 above, by presenting to the scheduled bank issuing the Letter of Credit, the following documents:

- i) a copy of the Monthly Bill or Supplementary Bill which has remained unpaid to RPG and;
- ii) a certificate from the RPG to the effect that the bill at item (i) above, or specified part thereof, is in accordance with the Agreement and has remained unpaid beyond the Due Date;

10.5 Disputed Bill

10.5.1 If the DISCOM does not dispute a Monthly Bill or a Supplementary Bill raised by the RPG within fifteen (15) days of receiving such Bill shall be taken as conclusive.

10.5.2 If the DISCOM disputes the amount payable under a Monthly Bill or a Supplementary Bill, as the case may be, it shall pay undisputed amount of the invoice amount and it shall within fifteen (15) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:

- i) the details of the disputed amount;
- ii) its estimate of what the correct amount should be; and iii) all written material in support of its claim.

10.5.3 If the RPG agrees to the claim raised in the Bill Dispute Notice issued pursuant to Article 10.5.2, the RPG shall revise such Bill and present along with the next Monthly Bill. In such a case excess amount shall be refunded along with interest at the same rate as Late Payment Surcharge, which shall be applied from the date on which such excess payment was made by the disputing Party to the invoicing Party and up to and including the date on which such payment has been received as refund.

10.5.4 If the RPG does not agree to the claim raised in the Bill Dispute Notice issued pursuant to Article 10.5.2, it shall, within fifteen (15) days of receiving the Bill Dispute Notice, furnish a notice (Bill Disagreement Notice) to the DISCOM providing:

- i) reasons for its disagreement;
- ii) its estimate of what the correct amount should be; and
- iii) all written material in support of its counter-claim.

10.5.5 Upon receipt of the Bill Disagreement Notice by the DISCOM under Article 10.5.4, authorized representative(s) or a director of the board of directors/ member of board of the DISCOM and RPG shall meet and make best endeavours to amicably resolve such dispute within fifteen (15) days of receipt of the Bill Disagreement Notice.

10.5.6 If the Parties do not amicably resolve the Dispute within fifteen (15) days of receipt of Bill Disagreement Notice pursuant to Article 10.5.4, the matter shall be referred to Dispute resolution in accordance with Article 16.

10.5.7 For the avoidance of doubt, it is clarified the despite a Dispute regarding an invoice, DISCOM shall, without prejudice to its right to Dispute, be under an obligation to make payment of undisputed amount of the invoice amount in the Monthly Bill.

10.6 Quarterly and Annual Reconciliation

10.6.1 The Parties acknowledge that all payments made against Monthly Bills and Supplementary Bills shall be subject to quarterly reconciliation within 30 days of the end of the quarter at the beginning of the following quarter of each Contract Year and annual reconciliation at the end of each Contract Year within 30 days to take into account the Energy Accounts, Tariff adjustment payments, Tariff Rebate, Late Payment Surcharge, or any other reasonable circumstance provided under this Agreement.

10.6.2 The Parties, therefore, agree that as soon as all such data in respect of any quarter of a Contract Year or a full Contract Year as the case may be has been finally verified and adjusted, the RPG and DISCOM shall jointly sign such reconciliation statement. Within fifteen (15) days of signing of a reconciliation statement, the RPG shall make appropriate adjustments in the next Monthly Bill. Late Payment Surcharge/ interest shall be payable in such a case from the date on which such payment had been made to the invoicing Party or the date on which any payment was originally due, as may be applicable. Any Dispute with regard to the above reconciliation shall be dealt with in accordance with the provisions of Article 16.

10.7 Payment of Supplementary Bill

10.7.1 RPG may raise a ("Supplementary Bill") for payment on account of:

- i) Adjustments required by the Energy Accounts (if applicable); or
- ii) Change in Law as provided in Article 12

And such Supplementary Bill shall be paid by the other Party.

10.7.2 DISCOM shall remit all amounts due under a Supplementary Bill raised by the RPG to the RPG's Designated Account by the Due Date, except open access charges, RLDC or scheduling charges and transmission charges (if applicable). For Supplementary Bill on account of adjustment required by energy account, Rebate as applicable to Monthly Bills pursuant to Article 10.3.5 shall equally apply. No surcharge will be applicable other than that on the monthly energy payment and associated debit and credit note.

10.7.3 In the event of delay in payment of a Supplementary Bill by either Party beyond its Due Date, a Late Payment Surcharge shall be payable at the same terms applicable to the Monthly Bill in Article 10.3.3.

ARTICLE 11: FORCE MAJEURE

11.1 Definitions

11.1.1 In this Article, the following terms shall have the following meanings:

11.2 Affected Party

11.2.1 An affected Party means DISCOM or the RPG whose performance has been affected by an event of Force Majeure.

11.3 Force Majeure

11.3.1 A 'Force Majeure' means any event or circumstance or combination of events those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:

- a) Act of God, including, but not limited to lightning, drought, fire and explosion (to the extent originating from a source external to the site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon or tornado if and only if it is declared / notified by the competent state / central authority / agency (as applicable);
- b) any act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action if and only if it is declared / notified by the competent state / central authority / agency (as applicable); or
- c) radioactive contamination or ionising radiation originating from a source in India or resulting from another Force Majeure Event mentioned above excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Power Project by the Affected Party or those employed or engaged by the Affected Party.

11.4 *Force Majeure Exclusions*

11.4.1 Force Majeure shall not include (i) any event or circumstance which is within the reasonable control of the Parties and (ii) the following conditions, except to the extent that they are consequences of an event of Force Majeure:

- a. Unavailability, late delivery, or changes in cost of the plant, machinery, equipment, materials, spare parts or consumables for the Power Project;
- b. Delay in the performance of any contractor, sub-contractor or their agents ;
- c. Non-performance resulting from normal wear and tear typically experienced in power generation materials and equipment;
- d. Strikes at the facilities of the Affected Party;
- e. Insufficiency of finances or funds or the agreement becoming onerous to perform; and
- f. Non-performance caused by, or connected with, the Affected Party's:
 - i. Negligent or intentional acts, errors or omissions;
 - ii. Failure to comply with an Indian Law; or
 - iii. Breach of, or default under this Agreement.

11.5 *Notification of Force Majeure Event*

11.5.1 The Affected Party shall give notice to the other Party of any event of Force Majeure as soon as reasonably practicable, but not later than seven (7) days after the date on which such Party knew or should reasonably have known of the commencement of the event of Force Majeure. If an event of Force Majeure results in a breakdown of communications rendering it unreasonable to give notice within the applicable time limit specified herein, then the Party claiming Force Majeure shall give such notice as soon as reasonably practicable after reinstatement of communications, but not later than one (1) day after such reinstatement.

11.5.2 Provided that such notice shall be a pre-condition to the Affected Party's entitlement to claim relief under this Agreement. Such notice shall include full particulars of the event of Force Majeure, its effects on the Party claiming relief and the remedial measures proposed. The Affected Party shall give the other Party regular (and not less than monthly) reports on the progress of those remedial measures and such other information as the other Party may reasonably request about the Force Majeure Event.

11.5.3 The Affected Party shall give notice to the other Party of (i) the cessation of the relevant event of Force Majeure; and (ii) the cessation of the effects of such event of Force Majeure on the performance of its rights or obligations under this Agreement, as soon as practicable after becoming aware of each of these cessations.

11.6 *Duty to Perform and Duty to Mitigate*

11.6.1 To the extent not prevented by a Force Majeure Event pursuant to Article 11.3, the Affected Party shall continue to perform its obligations pursuant to this Agreement. The Affected Party shall use its reasonable efforts to mitigate the effect of any Force Majeure Event as soon as practicable.

11.7 *Available Relief for a Force Majeure Event*

11.7.1 Subject to this Article 11:

- (a) no Party shall be in breach of its obligations pursuant to this Agreement except to the extent that the performance of its obligations was prevented, hindered or delayed due to a Force Majeure Event;
- (b) every Party shall be entitled to claim relief in relation to a Force Majeure Event in regard to its obligations;
- (c) For avoidance of doubt, neither Party's obligation to make payments of money due and payable prior to occurrence of Force Majeure events under this Agreement shall be suspended or excused due to the occurrence of a Force Majeure Event in respect of such Party.
- (d) Provided that no payments shall be made by either Party affected by a Force Majeure Event for the period of such event on account of its inability to perform its obligations due to such Force Majeure Event.

ARTICLE 12: CHANGE IN LAW

12.1 *Definitions*

In this Article 12, the term Change in Law shall refer to the occurrence of any of the following events pertaining to this project only after the last date of the bid submission, including

- (i) the enactment of any new law; or
- (ii) an amendment, modification or repeal of an existing law; or
- (iii) the requirement to obtain a new consent, permit or license; or
- (iv) any modification to the prevailing conditions prescribed for obtaining an consent, permit or license, not owing to any default of the RPG; or (v) any change in the rates of any Taxes including any duties and cess or Introduction of any new tax made applicable for setting up the power project and supply of power from the Power project by the RPG Which have a direct effect on the Project. However, Change in Law shall not include (i) any change in taxes on corporate income or (ii) any change in any withholding tax on income or dividends distributed to the shareholders of the RPG, or (iii) any change on account of regulatory measures by the Appropriate Commission.

In the event a Change in Law results in any adverse financial loss/ gain to the RPG then, in order to ensure that the RPG is placed in the same financial position as it would have been had it not been for the occurrence of the Change in Law, the RPG/ DISCOM shall be entitled to compensation by the other party, as the case may be, subject to the condition that the quantum and mechanism of compensation payment shall be determined and shall be effective from such date as may be decided by the Appropriate Commission.

In the event of any decrease in the recurring/ nonrecurring expenditure by the RPG or any income to the RPG on account of any of the events as indicated above, RPG shall file an application to the Appropriate Commission no later than sixty (60) days from the occurrence of such event, for seeking approval of Change in Law. In the event of the RPG failing to comply with the above requirement, in case of any gain to the RPG, DISCOM shall withhold the monthly tariff payments on immediate basis, until compliance of the above requirement by the RPG.

12.2 Relief for Change in Law

12.2.1 The aggrieved Party shall be required to approach the Appropriate Commission for seeking approval of Change in Law.

12.2.2 The decision of the Appropriate Commission to acknowledge a Change in Law and the date from which it will become effective, provide relief for the same, shall be final and governing on both the Parties.

ARTICLE 13: EVENTS OF DEFAULT AND TERMINATION

13.1 RPG Event of Default

13.1.1 The occurrence and/or continuation of any of the following events, unless any such event occurs as a result of a Force Majeure Event or a breach by DISCOM of its obligations under this Agreement, shall constitute an RPG Event of Default:

- (i) the failure to commence supply of power to DISCOM up to the Contracted Capacity, by the end of the period specified in Article 4, or failure to continue supply of Contracted Capacity to DISCOM after Commercial Operation Date throughout the term of this Agreement, or if
 - a) the RPG assigns, mortgages or charges or purports to assign, mortgage or charge any of its assets or rights related to the Power Project in contravention of the provisions of this Agreement; or
 - b) the RPG transfers or novates any of its rights and/ or obligations under this agreement, in a manner contrary to the provisions of this Agreement; except where such transfer
 - is in pursuance of a Law; and does not affect the ability of the transferee to perform, and such transferee has the financial capability to perform, its obligations under this Agreement or
 - is to a transferee who assumes such obligations under this Agreement and the Agreement remains effective with respect to the transferee;
- (ii) if (a) the RPG becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such proceedings remain uncontested for a period of thirty (30) days, or (b) any winding up or bankruptcy or insolvency order is passed against the RPG, or (c) the RPG goes into liquidation or dissolution or has a receiver or any similar officer appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law, provided that a dissolution or liquidation of the RPG will not be a RPG Event of Default if such dissolution or liquidation is for the purpose of a merger, consolidation or

reorganization and where the resulting company retains creditworthiness similar to the RPG and expressly assumes all obligations of the RPG under this Agreement and is in a position to perform them; or

- (iii) the RPG repudiates this Agreement and does not rectify such breach within a period of thirty (30) days from a notice from DISCOM in this regard; or
- (iv) except where due to any DISCOM's failure to comply with its material obligations, the RPG is in breach of any of its material obligations pursuant to this Agreement, and such material breach is not rectified by the RPG within thirty (30) days of receipt of first notice in this regard given by DISCOM.
- (v) occurrence of any other event which is specified in this Agreement to be a material breach/default of the RPG.
- (vi) except where due to any DISCOM's failure to comply with its material obligations, the RPG is in breach of any of its material obligations pursuant to this Agreement, and such material breach is not rectified by the RPG within thirty (30) days of receipt of first notice in this regard given by DISCOM.

13.2 DISCOM Event of Default

13.2.1 The occurrence and the continuation of any of the following events, unless any such event occurs as a result of a Force Majeure Event or a breach by the RPG of its obligations under this Agreement, shall constitute the Event of Default on the part of defaulting DISCOM:

- (i) DISCOM fails to pay (with respect to a Monthly Bill or a Supplementary Bill), subject to Article 10.5, for a period of ninety (90) days after the Due Date and the RPG is unable to recover the amount outstanding to the RPG through the Letter of Credit,
- (ii) DISCOM repudiates this Agreement and does not rectify such breach even within a period of sixty (60) days from a notice from the RPG in this regard; or
- (iii) except where due to any RPG's failure to comply with its obligations, DISCOM is in material breach of any of its obligations pursuant to this Agreement, and such material breach is not rectified by DISCOM within sixty (60) days of receipt of notice in this regard from the RPG to DISCOM; or

if

- DISCOM becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such proceedings remain uncontested for a period of sixty (60) days, or
- any winding up or bankruptcy or insolvency order is passed against DISCOM, or
- DISCOM goes into liquidation or dissolution or a receiver or any similar officer is appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law, provided that it shall not constitute a DISCOM Event of Default, where such dissolution or liquidation of DISCOM or DISCOM is for the purpose of a merger, consolidation or reorganization and where the resulting entity has the financial standing to perform its obligations under this Agreement and has creditworthiness similar to DISCOM and expressly assumes all obligations of DISCOM and is in a position to perform them; or;

- (iv) Occurrence of any other event which is specified in this Agreement to be a material breach or default of DISCOM.

13.3 Procedure for cases of RPG Event of Default

13.3.1 Upon the occurrence and continuation of any RPG Event of Default under Article 13.1, DISCOM shall have the right to deliver to the RPG, with a copy to the representative of the lenders to the RPG with whom the RPG has executed the Financing Agreements, a notice stating its intention to terminate this Agreement (DISCOM Preliminary Default Notice), which shall specify in reasonable detail, the circumstances giving rise to the issue of such notice.

13.3.2 Following the issue of a DISCOM Preliminary Default Notice, the Consultation Period of ninety (90) days or such longer period as the Parties may agree, shall apply and it shall be the responsibility of the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

13.3.3 During the Consultation Period, the Parties shall continue to perform their respective obligations under this Agreement.

13.3.4 Within a period of seven (7) days following the expiry of the Consultation Period unless the Parties shall have otherwise agreed to the contrary or the RPG Event of Default giving rise to the Consultation Period shall have ceased to exist or shall have been remedied, DISCOM may terminate this Agreement by giving a written Termination Notice of sixty (60) days to the RPG.

13.3.5 Subject to the terms of this Agreement, upon occurrence of a RPG Event of Default under this Agreement, the lenders in concurrence with the DISCOM, may exercise their rights, if any, under Financing Agreements, to seek substitution of the RPG by a selectee for the residual period of the Agreement, for the purpose of securing the payments of the total debt amount from the RPG and performing the obligations of the RPG. However, in the event the lenders are unable to substitute the defaulting RPG within the stipulated period, DISCOM may terminate the PPA and may acquire the Project assets for an amount equivalent to 90% of the debt due or less as mutually agreed, failing which, the lenders may exercise their mortgage rights and liquidate the Project assets. Provided that any substitution under this Agreement can only be made with the prior consent of DISCOM including the condition that the selectee meets the eligibility requirements of Request for Selection (RfS) issued by DISCOM and accepts the terms and conditions of this Agreement.

13.3.6 The lenders in concurrence with DISCOM, may seek to exercise right of substitution under Article 13.3.5 by an amendment or novation of the PPA in favour of the selectee. The RPG shall cooperate with DISCOM to carry out such substitution and shall have the duty and obligation to continue to operate the Power Project in accordance with this PPA till such time as the substitution is finalized. In the event of Change in Shareholding/Substitution of Promoters triggered by the Financial Institutions leading to signing of fresh PPA with a new entity, an amount of Rs. 1 Lakh per

MW +18% GST per transaction as facilitation fee (non-refundable) shall be deposited by the RPG to DISCOM.

13.3.7 In the event the lenders are unable to substitute the defaulting RPG within the stipulated period, DISCOM may terminate the PPA and may acquire the Project assets for an amount equivalent to 90% of the debt due, failing which, the lenders may exercise their mortgage rights and liquidate the Project assets.

13.4 ***Procedure for cases of DISCOM Event of Default***

13.4.1 Upon the occurrence and continuation of any DISCOM Event of Default specified in Article 13.2, the RPG shall have the right to deliver to DISCOM, a RPG Preliminary Default Notice, which notice shall specify in reasonable detail the circumstances giving rise to its issue.

13.4.2 Following the issue of a RPG Preliminary Default Notice, the Consultation Period of ninety (90) days or such longer period as the Parties may agree, shall apply and it shall be the responsibility of the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

13.4.3 During the Consultation Period, the Parties shall continue to perform their respective obligations under this Agreement.

13.4.4 After a period of two hundred ten (210) days following the expiry of the Consultation Period and unless the Parties shall have otherwise agreed to the contrary or DISCOM Event of Default giving rise to the Consultation Period shall have ceased to exist or shall have been remedied, DISCOM under intimation to RPG shall, subject to the prior consent of the RPG, novate its part of the PPA to any third party, including its Affiliates within the stipulated period. In the event the aforesaid novation is not acceptable to the RPG, or if no offer of novation is made by DISCOM within the stipulated period, then the RPG may terminate the PPA and at its discretion require DISCOM to either (i) takeover the Project assets by making a payment of the termination compensation equivalent to the amount of the debt due and 150% (one hundred and fifty per cent) of the adjusted equity or, (ii) pay to the RPG, damages, equivalent to 6 (six) months, or balance PPA period whichever is less, of charges for its contracted capacity, with the Project assets being retained by the RPG.

Provided further that at the end of three (3) months period from the period mentioned in this Article 13.4.4, this Agreement may be terminated by the RPG.

13.5 ***Termination due to Force Majeure***

13.5.1 If the Force Majeure Event or its effects continue to be present beyond a period as specified in Article 4.4.2, either Party shall have the right to cause termination of the Agreement. In such an event this Agreement shall terminate on the date of such Termination Notice without any further liability to either Party from the date of such termination.

ARTICLE 14: LIABILITY AND INDEMNIFICATION

14.1 *Indemnity*

14.1.1 The RPG shall indemnify, defend and hold DISCOM harmless against:

- a) any and all third party claims against DISCOM for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by the RPG of any of its obligations under this Agreement; and
- b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest actually suffered or incurred by DISCOM from third party claims arising by reason of a breach by the RPG of any of its obligations under this Agreement, (provided that this Article 14 shall not apply to such breaches by the RPG, for which specific remedies have been provided for under this Agreement).

14.1.2 DISCOM shall indemnify, defend and hold the RPG harmless against:

- a) any and all third party claims against the RPG, for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by DISCOM of any of their obligations under this Agreement; and
- b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest ('Indemnifiable Losses') actually suffered or incurred by the RPG from third party claims arising by reason of a breach by DISCOM of any of its obligations.

14.2 *Procedure for claiming Indemnity*

14.2.1 *Third party claims*

a. Where the Indemnified Party is entitled to indemnification from the Indemnifying Party pursuant to Article 14.1.1(a) or 14.1.2(a), the Indemnified Party shall promptly notify the Indemnifying Party of such claim referred to in Article 14.1.1(a) or 14.1.2(a) in respect of which it is entitled to be indemnified. Such notice shall be given as soon as reasonably practicable after the Indemnified Party becomes aware of such claim. The Indemnifying Party shall be liable to settle the indemnification claim within thirty (30) days of receipt of the above notice. Provided however that, if:

- i) the Parties choose to refer the dispute before the Arbitrator in accordance with Article 16.3.2; and
- ii) the claim amount is not required to be paid/ deposited to such third party pending the resolution of the Dispute,

the Indemnifying Party shall become liable to pay the claim amount to the Indemnified Party or to the third party, as the case may be, promptly following the resolution of the Dispute, if such Dispute is not settled in favour of the Indemnified Party.

b. The Indemnified Party may contest the claim by referring to the Arbitrator for which it is entitled to be Indemnified under Article 14.1.1(a) or 14.1.2(a) and the Indemnifying Party shall reimburse to the Indemnified Party all reasonable costs and expenses incurred by the Indemnified party. However, such Indemnified Party shall not settle or compromise such claim without first getting the consent of the Indemnifying Party, which consent shall not be unreasonably withheld or delayed.

An Indemnifying Party may, at its own expense, assume control of the defence of any proceedings brought against the Indemnified Party if it acknowledges its obligation to indemnify such Indemnified Party, gives such Indemnified Party prompt notice of its intention to assume control of the defence, and employs an independent legal counsel at its own cost that is reasonably satisfactory to the Indemnified Party.

14.3 ***Indemnifiable Losses***

14.3.1 Where an Indemnified Party is entitled to Indemnifiable Losses from the Indemnifying Party pursuant to Article 14.1.1(b) or 14.1.2(b), the Indemnified Party shall promptly notify the Indemnifying Party of the Indemnifiable Losses actually incurred by the Indemnified Party. The Indemnifiable Losses shall be reimbursed by the Indemnifying Party within thirty (30) days of receipt of the notice seeking Indemnifiable Losses by the Indemnified Party. In case of nonpayment of such losses after a valid notice under this Article 14.3, such event shall constitute a payment default under Article 13.

14.4 ***Limitation on Liability***

14.4.1 Except as expressly provided in this Agreement, neither the RPG nor its/ their respective officers, directors, agents, employees or affiliates (or their officers, directors, agents or employees), shall be liable or responsible to the other Party or its affiliates, officers, directors, agents, employees, successors or permitted assigns or their respective insurers for incidental, indirect or consequential damages, connected with or resulting from performance or non-performance of this Agreement, or anything done in connection herewith, including claims in the nature of lost revenues, income or profits (other than payments expressly required and properly due under this Agreement), any increased expense of, reduction in or loss of power generation or equipment used therefore, irrespective of whether such claims are based upon breach of warranty, tort (including negligence, whether of DISCOM, the RPG or others), strict liability, contract, breach of statutory duty, operation of law or otherwise.

14.4.2 DISCOM shall have no recourse against any officer, director or shareholder of the RPG or any Affiliate of the RPG or any of its officers, directors or shareholders for such claims excluded under this Article. The RPG shall have no recourse against any officer, director or shareholder of DISCOM, or any affiliate of DISCOM or any of its officers, directors or shareholders for such claims excluded under this Article.

14.5 *Duty to Mitigate*

14.5.1 The Parties shall endeavour to take all reasonable steps so as mitigate any loss or damage which has occurred under this Article 14.

ARTICLE 15: ASSIGNMENTS AND CHARGES

15.1 *Assignments*

This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns. This Agreement shall not be assigned by any Party, except to the Project Lenders or Lender's Representative as security for their debt under the Financing Agreements, other than by mutual consent between the Parties to be evidenced in writing. Such assignment shall be agreed to by DISCOM subject to the compliance of provisions contained in this Agreement and more specifically to the provisions of Article 4.1.1 of this Agreement. In no case, such assignment shall be permissible prior to the declaration of COD. Provided that, DISCOM shall permit assignment of any of RPG's rights and obligations under this Agreement in favour of the lenders to the RPG, if required under the Financing Agreements. Provided that, such consent shall not be withheld if DISCOM seeks to transfer to any transferee all of its rights and obligations under this Agreement.

The enforcement of the rights and obligation between the RPG and the DISCOM provided in this Agreement shall not be treated as an assignment but an enforcement of the terms agreed under this Agreement.

Provided further that any successor(s) or permitted assign(s) identified after mutual agreement between the Parties may be required to execute a new agreement on the same terms and conditions as are included in this Agreement. An amount of Rs. 1 Lakh per Transaction as Facilitation Fee (non-refundable) shall be deposited by the RPG to DISCOM. Provided further that, such consent shall not be withheld by the RPG if DISCOM seeks to transfer to any affiliate all of its rights and obligations under this Agreement.

In the event of Change in Shareholding/Substitution of Promoters triggered by the Financial Institutions leading to signing of fresh PPA with a New Entity, an amount of Rs. 1 Lakh per Transaction as Facilitation Fee (non-refundable) shall be deposited by the RPG to DISCOM.

15.2 *Permitted Charges*

15.2.1 RPG shall not create or permit to subsist any encumbrance over all or any of its rights and benefits under this Agreement, other than as set forth in Article 15.1 and the Guidelines.

ARTICLE 16: GOVERNING LAW AND DISPUTE RESOLUTION

16.1 *Governing Law*

16.1.1 This Agreement shall be governed by and construed in accordance with the Laws of India. Any legal proceedings in respect of any matters, claims or disputes under this Agreement shall be under the jurisdiction of appropriate courts in _____.

16.2 Amicable Settlement and Dispute Resolution

16.2.1 Amicable Settlement

- i. Either Party is entitled to raise any claim, dispute or difference of whatever nature arising under, out of or in connection with this Agreement ("Dispute") by giving a written notice (Dispute Notice) to the other Party, which shall contain:
 - (a) a description of the Dispute;
 - (b) the grounds for such Dispute; and
 - (c) all written material in support of its claim.
- ii. The other Party shall, within thirty (30) days of issue of Dispute Notice issued under Article 16.2.1(i), furnish:
 - (a) counter-claim and defences, if any, regarding the Dispute; and
 - (b) all written material in support of its defences and counter-claim.
- iii. Within thirty (30) days of issue of Dispute Notice by any Party pursuant to Article 16
 - (i) if the other Party does not furnish any counter claim or defence under Article 16
 - (ii) or thirty (30) days from the date of furnishing counter claims or defence by the other Party, both the Parties to the Dispute shall meet to settle such Dispute amicably. If the Parties fail to resolve the Dispute amicably within thirty (30) days from the later of the dates mentioned in this Article 16.2.1.
 - (iii) the Dispute shall be referred for dispute resolution in accordance with Article 16.3.

16.3 Dispute Resolution

16.3.1 Dispute Resolution by the Appropriate Commission

- i) Where any Dispute or differences arises in relation to this agreement of any nature whatsoever including the construction, interpretation or implementation of the provisions of this agreement as well as claim made by any Party for any change in or determination of the Tariff or any matter related to Tariff or claims made by any Party which partly or wholly relate to any change in the Tariff or determination of any of such claims could result in change in the Tariff, and relates to any matter agreed to be referred to the Appropriate Commission, shall be submitted to adjudication by the Appropriate Commission. Appeal against the decisions of the Appropriate Commission shall be made only as per the provisions of the Electricity Act, 2003, as amended from time to time.
- ii) DISCOM shall be entitled to co-opt the lenders (if any) as a supporting party in such proceedings before the Appropriate Commission.

16.3.2 Dispute Resolution through Arbitration

- i) If the Dispute arising as per Article 16.2.1 is not amicably resolved & such dispute is not covered in Article 16.3.1(i), such Dispute shall be resolved by arbitration under the provisions of the Electricity Act, 2003 (as amended from time to time) as under: Proceedings as well as appointment of the arbitrator(s) shall be carried out by the Appropriate Commissions under the Electricity Act 2003 as amended from time to time. As stipulated by the said Electricity Act

2003, the said arbitration will take place as per the provisions of the Arbitration and Conciliation Act 1996 as amended from time to time.

- ii) ii) The place of arbitration shall be the _____ (City where head quarter of DISCOM is located). The language of the arbitration shall be English.
- iii) The Arbitration Tribunal's award shall be substantiated in writing. The Arbitration Tribunal shall also decide on the costs of the arbitration proceedings and the allocation thereof.
- iv) The provisions of this Article shall survive the termination of this PPA for any reason whatsoever.
- v) The award shall be of majority decision.
- vi) DISCOM shall be entitled to co-opt the lenders (if any) as a supporting party in such arbitration proceedings.

16.4 ***Parties to Perform Obligations***

16.4.1 Notwithstanding the existence of any Dispute and difference referred to the Appropriate Commission and save as the Appropriate Commission may otherwise direct by a final or interim order, the Parties hereto shall continue to perform their respective obligations (which are not in dispute) under this Agreement.

ARTICLE 17: MISCELLANEOUS PROVISIONS

17.1 ***Amendment***

17.1.1 This Agreement may only be amended or supplemented by a written agreement between the Parties.

17.2 ***Third Party Beneficiaries***

17.2.1 This Agreement is solely for the benefit of the Parties and their respective successors and permitted assigns and shall not be construed as creating any duty, standard of care or any liability to, any person not a party to this Agreement.

17.3 ***Waiver***

17.3.1 No waiver by either Party of any default or breach by the other Party in the performance of any of the provisions of this Agreement shall be effective unless in writing duly executed by an authorised representative of such Party.

17.3.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement nor time or other indulgence granted by one Party to the other Parties shall act as a waiver of such breach or acceptance of any variation or the relinquishment of any such right or any other right under this Agreement, which shall remain in full force and effect.

17.4 ***Confidentiality***

17.4.1 The Parties undertake to hold in confidence this Agreement and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- a) to their professional advisors;
- b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities; or
- c) disclosures required under Law, without the prior written consent of the other Party.

17.5 ***Severability***

17.5.1 The invalidity or unenforceability, for any reason, of any part of this Agreement shall not prejudice or affect the validity or enforceability of the remainder of this Agreement, unless the part held invalid or unenforceable is fundamental to this Agreement.

17.6 ***Notices***

17.6.1 All notices or other communications which are required to be given under this Agreement shall be in writing and in the English language.

17.6.2 If to the RPG, all notices or other communications which are required must be delivered personally or by registered post or facsimile or any other method duly acknowledged to the addresses below:

Address:

Attention:

Email:

Fax. No. :

Telephone No. :

17.6.3 If to DISCOM, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the address(es) below:

Address:

Attention:

Email:

Fax. No. :

Telephone No. :

17.6.4 All notices or communications given by facsimile shall be confirmed by sending a copy of the same via post office in an envelope properly addressed to the appropriate Party for delivery by registered mail. All notices shall be deemed validly delivered upon receipt evidenced by an acknowledgement of the recipient, unless the Party delivering the notice can prove in case of delivery through the registered post that the recipient refused to acknowledge the receipt of the notice despite efforts of the postal authorities.

17.6.5 Any Party may by notice of at least fifteen (15) days to the other Party change the address and/or addresses to which such notices and communications to it are to be delivered or mailed.

17.7 *Language*

17.7.1 All agreements, correspondence and communications between the Parties relating to this Agreement and all other documentation to be prepared and supplied under the Agreement shall be written in English, and the Agreement shall be construed and interpreted in accordance with English language.

17.7.2 If any of the agreements, correspondence, communications or documents are prepared in any language other than English, the English translation of such agreements, correspondence, communications or documents shall prevail in matters of interpretation.

17.8 *Restriction of Shareholders / Owners' Liability*

17.8.1 Parties expressly agree and acknowledge that none of the shareholders of the Parties hereto shall be liable to the other Parties for any of the contractual obligations of the concerned Party under this Agreement. Further, the financial liabilities of the shareholder/s of each Party to this Agreement, shall be restricted to the extent provided in the Indian Companies Act, 2013.

17.9 *Taxes and Duties*

17.9.1 The RPG shall bear and promptly pay all statutory taxes, duties, levies and cess, assessed/levied on the RPG, contractors or their employees that are required to be paid by the RPG as per the Law in relation to the execution of the Agreement and for supplying power as per the terms of this Agreement.

17.9.2 DISCOM shall be indemnified and held harmless by the RPG against any claims that may be made against DISCOM in relation to the matters set out in Article 17.9.1.

17.9.3 DISCOM shall not be liable for any payment of, taxes, duties, levies, cess whatsoever for discharging any obligation of the RPG by DISCOM on behalf of RPG.

17.10 *Independent Entity*

17.10.1 The RPG shall be an independent entity performing its obligations pursuant to the Agreement.

17.10.2 Subject to the provisions of the Agreement, the RPG shall be solely responsible for the manner in which its obligations under this Agreement are to be performed. All employees and representatives of the RPG or contractors engaged by the RPG in connection with the performance of the Agreement shall be under the complete control of the RPG and shall not be deemed to be employees, representatives, contractors of DISCOM and nothing contained in the Agreement or in any agreement or contract awarded by the RPG shall be construed to create any contractual relationship between any such employees, representatives or contractors and DISCOM.

17.11 *Compliance with Law*

Despite anything contained in this Agreement but without prejudice to this Article, if any provision of this Agreement shall be in deviation or inconsistent with or repugnant to the provisions contained in the Electricity Act, 2003, or any rules and regulations made there under, such provision of this Agreement shall be deemed to be amended to the extent required to bring it into compliance with the aforesaid relevant provisions as amended from time to time.

17.13 *Breach of Obligations*

The Parties acknowledge that a breach of any of the obligations contained herein would result in injuries. The Parties further acknowledge that the amount of the liquidated damages or the method of calculating the liquidated damages specified in this Agreement is a genuine and reasonable pre-estimate of the damages that may be suffered by the non-defaulting party in each case specified under this Agreement.

IN WITNESS WHEREOF the Parties have caused the Agreement to be executed through their duly authorized representatives as of the date and place set forth above.

For and on behalf of
[DISCOM]

For and on behalf of [RPG]

Name, Designation and Address

Name, Designation and Address

Signature with seal

Signature with seal

Witness:

- 1.
- 2.

Witness:

- 1.
- 2.

Annexure-II

MODEL LEASE AGREEMENT

This **AGREEMENT OF LEASE** entered into on this _____ day of _____ at _____.

BETWEEN:

_____ (hereinafter referred to as the "**LESSOR/OWNER**", which expression shall, wherever the context so requires or admits, SHALL mean and include his legal heirs, executors, administrators and assignees);

AND:

_____ (Name of Renewable Power Generator (RPG))

Represented by _____

(hereinafter referred to as the "**LESSEE**", which expression shall, wherever the context so requires or admits, SHALL mean and include its executors, administrators and assignees successors in interest).

I. WHEREAS the Lessor is the owner in possession of the Barren/ Agricultural land measuring _____ Acre _____ Kanal _____ marla _____ Share out of Hadbast No. _____ Khewat No. _____ Khatoni No. _____ Khasra No. _____ Mustil No. _____ Kila No. _____ situated at Village/City _____ Tehsil _____ District which is morefully described in the Schedule hereunder and hereinafter referred to as the Schedule property.

(Note: The legal revenue terms to be changes to those prevalent in the State)

II. WHEREAS the _____ (Name of RPG) being a _____ (Details of RPG) with an object to plan, develop and operate Renewable Energy based Power Plant (REPP) under MNRE Scheme notified on 8th March 2019.

III. (a) WHEREAS pursuant to the request of the Lessee, the Lessor has agreed to grant the lease, the Lessee has agreed to take on lease from the Lessor the land which is morefully

described in Schedule written hereunder and hereinafter referred to as "THE SCHEDULE PROPERTY" for setting up of the "_____ Power Plant".

(b) That pursuant to the request of the Lessee, the Lessor has submitted an application under Section _____ for the conversion of the land and on behalf of the Lessor/owner the _____ (Name of RPG) shall presume that the land is deemed to have been converted for non-agricultural purposes. (Clause to be modified as per State Policy for use of Agriculture land for generation of renewable power)

IV. NOW THIS AGREEMENT OF LEASE WITNESSES THAT in consideration of the above and of the mutual covenants of the Parties hereto, the Lessor hereby grants and the Lessee hereby accepts the lease of the Schedule property on the following terms and conditions:

1. PURPOSE OF LEASE:

The grant of lease by the Lessor to the lessee in respect of the Schedule property is for the purpose of developing a _____ Power Plant under MNRE Scheme notified on 8th March 2019.

2. PERIOD OF THE LEASE

The period of this Lease shall be for Twenty-seven (27) years from this day which may be renewed at the option of the Lessee and Lessor for further period, on such mutually agreeable terms as may be agreed at the time of renewal, by both the parties, by executing and registering separate Lease Agreement.

3. RENT

- (a) The rent payable by the Lessee to the Lessor for the Schedule Property shall be Rs. _____/- (Rupees _____) only per annum per Acre. The portion of the land less than one Acre shall be calculated in terms of Square meter and the rent payable for the same shall be at Rs. _____/- per Square meter or part thereof, per annum.

OR

The rent payable by the Lessee to the Lessor after Commercial Operation of the power plant shall be Rs. _____ per unit of total power generated from the power

plant installed on the land of Lessor. Till the start of commercial operation of the plant, the rent shall be Rs. _____/- (Rupees _____) only per annum per Acre.

- (b) The annual rent shall be paid in twelve equal instalments and each instalment to be paid by 5th day of every month, by crediting the same to the Lessor's Bank Account the details of which may be furnished by the Lessor from time to time.

OR

In case of lease rent on the basis of Rs. _____ per unit, the monthly lease rent would be calculated on the basis of monthly electricity injected in to the grid from the power plant installed on the land of Lessor.

- (c) Lessor may opt for payment of lease rent directly from the Distribution company, which will sign Power Purchase Agreement with Lessee for the above-mentioned _____ Power Plant to be installed by Lessee. In such a case the Distribution company will pay the lease rent to Lessor on monthly basis from the proceeds payable to the Lessee in lieu of Power supplied by Lessee. In order to give this effect a suitable provision will be made in the PPA to be signed between Lessee and the Distribution Company.

- (d) [on mutual agreement between Lessor and Lessee] The rent hereby reserved shall be paid by enhancing the same at the end of every _____ year(s), at _____% on the rent hereby agreed.

- (e) If the Lessee delays the payment of rent by due date of every month, for any reason, the same shall be paid by adding the interest at the rate _____% for the said delayed period.

4. GENERAL TERMS

- i. In consideration of the rent herein agreed as payable to the Lessor being paid by the Lessee regularly and on complying other terms and conditions and covenants by the Lessee, the Lessee shall peacefully possess and enjoy the **Schedule Property** during the lease period without any interruption by the Lessor.

- ii. The Lessor shall allow the Lessee or its representatives to conduct survey and other related work.
- iii. The Lessor has no objections for the Lessee to establish the _____ Power Plant in the Schedule property which is the purpose of the grant of this lease and to that effect the Lessee entering into any agreement/s, deeds with companies, individuals, developers/third party etc. in respect of the Schedule property.
- iv. The Lessor has no objections for the Lessee or its representatives for installation of machineries, equipments, etc. for generation of _____ power in the Schedule property and all work relating to thereto including but not limited to laying poles, wires, etc.

5. EVENT OF SALE, ACCEPTANCE OF LEASE BY THE NEW OWNER

- (a) In the event of the owners transferring their rights/interest in any manner during the existence of the lease to any other person, the same may be allowed without affecting the rights of the Lessee under the Lease Agreement in any manner and the owners/purchasers/transferees shall inform the Lessee about the acquiring of the right/interest in respect of the leased property and on receipt of such information, the Lessee shall accept such new purchaser's/transferee's ownership of the land and obtain a written confirmation from such new owner/purchaser/transferee to the effect that he will be bound by the terms of the Lease Agreement.
- (b) In the event of the owners transferring their rights/interest to any other person, the same may be informed to the Lessee and the Lessor shall ascertain and obtain all the necessary documents from the transferee to the effect that the transferee will be bound by the terms and conditions of the Lease Agreement for the balance period of the lease or for using the said documents for renewal of the lease for the balance period.
- (c) During the subsistence of the lease, the Lessor shall not carry any activity, in the Schedule property, other than those agreed in this agreement;

- (d) The change in the legal status of the Lessee shall not affect the terms and conditions of this Agreement.
- (e) The original Lease Agreement shall be with the Lessee and the copy of the same will be with the Lessor.
- (f) In the event of any dispute in respect of the land, the Lessee shall deposit the rent in the concerned civil court. In the event of retention of the rent with the Lessee, the Lessee shall be pay the same together with interest thereon at the rate ____% for such period.
- (g) The Lessee shall not offer or create any charge or encumbrance by offering the same as by way of mortgage, security, etc. in favour of any Banks or financial institutions in respect of the loans or advances or any other financial facilities that may be availed by the Lessee.
- (h) The owners shall pay the land tax/revenue in respect of the lands.

6. PAYMENT OF STAMP DUTY AND REGISTRATION CHARGES:

The stamp duty and other registration charges, as applicable for this Agreement of Lease shall be paid by the Lessee.

7. FORCE MAJEURE:

It is also agreed and understood between the parties that in case of any mishap due to fire, earthquake, strike, floods, tempest, war, riot, civil war or civil commotions, mob violence, civil disturbance, act of God or on account of terrorist attack, the Lessor shall not be liable for any loss or damage that may be occasioned to the Lessee/its merchandise.

8. ADDRESSES FOR CORRESPONDENCE, ETC

Any notice and/or communications between the Parties shall be deemed to be sufficient, if delivered by hand under acknowledgement or sent by registered post acknowledgement due to the following address or the address that may be intimated in writing to the Lessee by the Lessor from time to time:

LESSOR'S:

LESSEE'S:**9. LESSOR'S DUTIES, COVENANTS AND OBLIGATIONS**

- a) The Lessor hereby covenants with the Lessee that the Lessee paying regularly the rents hereby reserved and performing and observing all the covenants of the Lessee herein contained, shall be entitled, during the subsistence of this lease to enjoy the Schedule property without let, hindrance or interference from the Lessor or any other person/s claiming through or under him; Still, in the event of the Lessee restrained from enjoying the peaceful possession of the Schedule property or on account of any action by the Government during the period of lease and in the event of dispossession of the Lessee from the Schedule property or any portion thereof forcibly, due to any default of the Lessor, the Lessor shall make good the reasonable loss that may be suffered by the Lessee.
- b) The Lessor shall offer necessary support and co-operation to the Lessee in its process to obtain required permission/s, approval/s, clearances, etc., from any Statutory Authority or other Local Bodies for the purpose of obtaining and licence, permissions, etc., for installation of power plant. However, obtaining such permission/s, approval/s, clearances, etc., shall be the sole responsibility of Lessee.

10. LESSEE'S COVENANT AND OBLIGATIONS

The Lessee hereby covenants with the Lessor as under:

- (a) The Schedule property shall be utilised for the purpose referred to in Clause (1) above;
- (b) The Lessee shall pay the rents (as per Clause (3)) regularly and promptly;

11. TERMINATION AND RE-ENTRY

The Lease shall be determinable under all or any of the following circumstances, namely

- i) by efflux of time;
- ii) in the event of breach by either party of the terms, conditions and covenants hereof;

- iii) if the Scheduled Premises or any part thereof is severely damaged or destroyed due to any unforeseen circumstances or civil commotion, act of God, etc., and these damages be not restored to by the LESSOR within a reasonable time or if the demised premises is acquired compulsorily by any authority;
- iv) After the expiry of lease period, the Lessee shall handover the land to the Lessor as it was existed previously at the time of this agreement (subject to normal wear and tear).

12. **VARIATION:**

The Lessor and the Lessee hereto acknowledge that this agreement supersedes all prior communications between them including all oral or written proposals. Any variation, addition and modifications of this agreement between the parties shall be valid only if in writing by the Lessor and Lessees authorized representative.

13. **ARBITRATION:**

- a) Any disputes or differences arising between the Parties hereto as to the effect, interpretation or application any of the clauses of this LEASE AGREEMENT or as to their rights, duties or liabilities thereunder, or as to any act, matter or thing arising out of, or consequent to, or in connection with this LEASE AGREEMENT shall be referred to and resolved by Arbitration by referring the same for arbitration to any retired District Judge and shall be resolved finally at his arbitration under Arbitration and Conciliation Act 1996 and its Amendments or any other Enactment. The Arbitration proceedings shall be held at _____ and shall be in English/_____ Language.
- b) This LEASE AGREEMENT shall be governed by the laws of India. The Courts at _____ alone shall have the jurisdiction to entertain and or try any dispute arising out of or in connection with or in relation to the terms of this LEASE AGREEMENT.

IN WITNESS WHEREOF the parties hereto have executed these presents in the presence of the witnesses attesting hereunder on the day, month and year mentioned hereinabove.

LESSOR

LESSEE

WITNESSES:

1.

2.

SCHEDULE PROPERTY

All that piece and parcel of Barren/ Agricultural land measuring ____ Acre ____
 Kanal ____ marla ____ Share out of Hadbast No. ____ Khewat
 No. ____ Khatoni No. ____ Khasra No. ____ Mustil No. ____ Kila No. ____
 ____ situated at Village/City ____ Tehsil ____ District and
 bounded on the:

(Note: The legal revenue terms to be changes to those prevalent in the State)

East by:

West by :

North by :

South by :

F. No. 32/645/2017-SPV Division
Government of India
Ministry of New and Renewable Energy

Block no. 14, CGO Complex,
Lodi Road, New Delhi -110003

Date: 04 December 2020

Office Memorandum

Subject: Guidelines for Implementation of Feeder Level Solarisation under Component-C of PM-KUSUM Scheme

Vide OM of even number dated 04.11.2020, Ministry had issued scale-up and expansion of Pradhan Mantri Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) Scheme. Under the scaled up Scheme, a target of solarization of 7.5 lakh existing agricultural pumps has been kept through feeder level solarization under Component-C.

2. Under the above mentioned Order, it was also informed that guidelines for feeder level solarization under Component-C will be issued separately. Accordingly, in continuation of the above mentioned Order and Guidelines for PM KUSUM Scheme dated 22.07.2019 along with amendments and additions thereof, undersigned is directed to issue the Guidelines for implementation of feeder level solarisation under Component-C of PM-KUSUM Scheme.

3. This issues with approval of Competent Authority.



(Shobhit Srivastava)
Scientist-D

To

All concerned

Guidelines for Implementation of Feeder Level Solarisation under Component-C of PM-KUSUM Scheme

1. Background

Ministry had issued detailed Guidelines for implementation of Component-C of PM-KUSUM Scheme on 8 November 2019. As per provisions of the PM-KUSUM Scheme, the grid connected agriculture pumps can be solarised with central and state subsidy of 30% each and farmer's contribution of 40%. The solar capacity allowed is up to two times of the pump capacity in kW and surplus power will be purchased by DISCOM. Since this component was to be implemented on pilot mode, flexibility was given to states for using different models like net-metering, replacing pump with BLDC pump or any other innovative model as deemed fit by the states.

Based on discussions held with states it has been decided to also include feeder level solarisation under Component-C of PM-KUSUM Scheme. Accordingly, these guidelines are being issued to provide broad implementation framework for feeder level solarisation.

2. Implementation Methodology

The Distribution Company (DISCOM)/Power Department will be the implementing agency for feeder level solarisation in their respective areas. However, state Government may appoint any other expert agency to help DISCOM for tendering and other related activities of installation of solar power plant for feeder level solarisation.

Where agriculture feeders have already been separated the feeders may be solarised under the scheme. This will lead to lower cost both in terms of lower capital cost and cost of power. Feeders having major load for agriculture may also be considered for solarisation under the Scheme. The requirement of total annual power for an agriculture feeder will be assessed and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar power to that feeder.

For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with CUF of 19%. Higher or lower CUF, depending upon the average solar insolation available in the areas, may be considered for assessing solar power capacity.

Feeder level solar power plant may be installed to cater to the requirement of power for a single feeder or for multiple agriculture feeders emanating from a distribution sub-station (DSS) to feed power at 11 kV or at the higher voltage level side of the DSS depending upon on factors like availability of land, technical feasibility, etc., and there is no cap of the capacity of solar power plant for feeder level solarisation.

The DISCOMs may identify land near DSS, get ownership of land or its lease rights, provide connectivity at DSS and lay sub-transmission line between DSS and solar power plant.

For the purpose of calculating CFA, the cost of installation of solar power plant has been estimated as Rs. 3.5 Cr/MW. Under the Scheme solarisation of pumps of any capacity is allowed, however, in case of pumps of capacity above 7.5 HP, the CFA will be limited to solar capacity for 7.5 HP pumps.

A. Implementation under CAPEX Model

For installation of feeder level solar power plant CFA of 30% (50% in case of NE States, hilly states/UTs and Island UTs) will be provided by central Government and balance will be met through loan from NABARD/PFC/REC. Concessional financing will be available for solarisation of agriculture pumps as RBI has already included this component under priority sector lending and MoAFW has included community level solarisation under Agriculture Infrastructure Fund. The current outlay on subsidy being presently provided for supply of electricity to agriculture pumps by State Government can be used to repay the loan in five to six years after which power will be available free of cost and outflow from State Government's exchequer on account of electricity subsidy for agriculture will come to an end. On an average power for agriculture will be required only for 150 days in a year, the electricity produced from the solar power plant in the remaining days will possibly provide an additional income to the DISCOM. If this is also used to pay off the loans taken from NABARD/PFC/REC, the loan can be repaid sooner.

Advance CFA up to 40% of the total eligible CFA will be released to DISCOMs on completion of tendering process and signing of work agreement with EPC contractor selected for installation of solar power plant. Balance CFA will be released on successful commissioning of solar power plant and plant starts supplying power to agriculture feeder(s). The process of tendering and signing of work agreement with EPC contractor should normally be completed by implementing agency within six months from the date of issuance of sanction by MNRE.

The DISCOM may carry-out operation and maintenance of the solar power plant. Alternatively, the EPC contractor who install the solar power plant may also be given task for O&M of plant and supply guaranteed solar power for 25 years. Payment for O&M of solar plant can be linked with energy production. In case of failure of solar power plant to supply required solar power for the complete 25 years of project life, the MNRE may direct the DISCOM to refund the CFA amount on prorata basis. An undertaking to this effect will be submitted by DISCOM to MNRE.

B. Implementation under RESCO Model

For installation of feeder level solar power plants through RESCO model, the developers will be selected on the basis of lowest tariff offered for supply of required solar power for a period of 25 years. The developer will get CFA @ 30% of the estimated cost of installation of solar power plant i.e. Rs. 1.05 Cr/MW (30% of Rs. 3.5 Cr/MW). The solar power supplied by RESCO developer would be much cheaper than present cost of power delivered at distribution sub-station and therefore, DISCOM will save the amount equal to difference between the two. In the RESCO model the burden of electricity subsidy for agriculture will be reduced to the extent of difference mentioned above and not become zero as in case of CAPEX model, where once the loan is repaid, subsidy support from state Government is no longer required.

States may choose to provide upfront subsidy in lieu of electricity subsidy being given to agriculture consumers. This upfront subsidy from state could be in the form of VGF to RESCO developer, in addition to 30% CFA, to supply power to farmers of an agriculture feeder at present subsidised rates or any other rate fixed by state Government. For example, if present subsidised rate for agriculture is Rs. 1.50/kWh, the RESCO developer will be selected on the basis of lowest VGF bidded for supply of solar power at Rs. 1.50/kWh.

CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful commissioning and declaration of Commercial Operation Date (COD) of solar power plant. The release of CFA to RESCO developer is subject to submission of bank guarantee equivalent to CFA amount. Bank Guarantee will be released in four lots of 25% each on successful operation of plant after 2.5 yrs, 5 yrs, 7.5 yrs and 10 yrs from CoD. For selection of RESCO developer and PPA, the Guidelines and model PPA issued by MNRE for implementation of Component-A of PM-KUSUM Scheme may be used, with suitable modifications. The maximum timeline allowed for commissioning of solar power plant by RESCO Developer will be nine months from the date of signing of PPA. The process of selection of RESCO Developer and signing of PPA should normally be completed by implementing agency within six months from the date of issuance of sanction by MNRE.

3. Feeder Separation:

Where agriculture feeders are not separated, loan for feeder separation will be available from NABARD/PFC/REC. Ministry of Power is also in process of finalising a Scheme to provide assistance for feeder separation. The savings on account of electricity subsidy on agriculture and the possible income from the surplus electricity generated by the solar power plant when it is not being used for irrigation can also be used to pay off the loan taken for feeder separation.

4. Water saving and enhancing farmers' income

The objective of Component-C of PM-KUSUM Scheme is to provide reliable day-time power to farmers, enhancing their income by purchasing surplus solar power and thus

incentivising them for saving water. In case of feeder level solarisation, farmers will get daytime reliable solar power for irrigation, but there is no provision of selling surplus solar power. Therefore, farmers can be incentivised for saving water and enhancing their income. The DISCOMs shall assess the average power requirement by farmers of an area depending upon various factors. This power requirement will be treated as their benchmark consumption. The DISCOMs shall incentivise farmers for consuming power less than benchmark consumption. Such saving of power shall be treated as surplus power injected by farmers and they will be paid by DISCOMs against this saved power at pre-determined tariff. This will be an important measure for conserving groundwater level.

5. Feeder level solarisation with enhanced capacity of solar plant

The state may choose to install feeder level solar power plant of capacity higher than capacity required for supplying power to agriculture feeder. The additional solar power generated may be used for supplying nearby rural/urban loads during day time or alternatively stored/banked for supplying power during evening hours for lighting/induction cooking and other household purposes. However, in this case CFA will be limited for solar capacity required for supplying power to the agriculture feeder.

6. Allocation of capacity and Service Charges

Under Component-C of PM-KUSUM Scheme solarisation of total 4 lakh grid connected pumps are targeted for sanction by 2020-21 and 50% of these are to be solarised through feeder level solarisation and balance 50% through individual pump solarisation. The Scheme being demand driven the capacity will be allocated to states depending upon demand raised by them. MNRE will request states to send their demand within given timeframe. The states may send their demand for individual pump solarisation or feeder level solarisation or both. The allocation of capacity will be made by Screening Committee headed by Secretary, MNRE. Implementing agency will get service charges as applicable under Scheme Guidelines.

7. System Specifications and Quality Control

All components used for installation of solar power plants shall conform to applicable BIS/MNRE specifications and follow quality control guidelines issued by MNRE. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules.

Thorough maintenance of selected agriculture feeders is required to maintain feeder availability during sunshine hours. This includes maintenance of DSS, sub-transmission/LT lines and distribution transformers, etc., on regular basis in a time bound manner.

8. Monitoring

It will be mandatory for DISCOMs to monitor solar power generation and performance of the solar power plant through online system. The online data will be integrated with central monitoring portal which will extract data from the State portals for monitoring of the scheme.

9. Interpretation of the Guidelines

In case of any ambiguity in interpretation of any of the provisions of these guidelines, the decision of the Ministry shall be final. The Guidelines would be reviewed by the Ministry from time to time and necessary modifications would be incorporated after getting approval of competent authority.

F. No. 32/645/2017-SPV Division
Government of India
Ministry of New and Renewable Energy

Block-14, CGO Complex,
Lodhi Road, New Delhi
Dated: 31 December 2019

Office Memorandum

Subject: Clarification for implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM-KUSUM) Scheme.

This refers Ministry's OM of even number dated 22.7.2019 and dated 19.8.2019 vide which Guidelines and amendment in Guidelines for implementation of PM-KUSUM Scheme were issued respectively.

2. Clarifications have been sought by Implementing Agencies on certain issues related to implementation of PM-KUSUM Scheme. Accordingly, following is clarified:

- a. The Distribution Companies (DISCOMs) can, if they desire so, pass on the Procurement Based Incentive (PBI) given to DISCOMs by the Central Government under Component-A of the Scheme, to the Renewable Energy Power Plant owner to get more competitive tariff of RE Power under the Scheme.
- b. Implementing Agencies, if they desire so, can invite a single bid under Component-A of the Scheme on the basis of pre-fixed levelised tariff for installation of RE power plants for all distribution sub-stations in the state/DISCOM area. However, adequate measures should be taken to ensure transparency & objectivity for allocating capacity to applicants. Further, in case the applications are received for capacity that is more than capacity available for injection at a particular distribution sub-station, a transparent methodology may be adopted for allocation of capacity in such cases.
- c. Regarding availability of Central Financial Assistance (CFA) for solarisations of pumps of capacity above 7.5 HP under Component-C of the Scheme, it is again clarified that solarisation of pumps of capacity higher than 7.5 HP is also allowed, however, the CFA in such cases would be limited to the CFA applicable for pumps of capacity 7.5 HP in the respective State/UTs.

3. This issues with the approval of Competent Authority.


(J K Jethani)
Scientist-E

To
All Concern

158
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F. No. 32/54/2018- SPV Division
Government of India
Ministry of New & Renewable Energy

Block No.14, CGO Complex
Lodi Road, New Delhi 110003
Dated: 17 March 2021

ORDER

Subject: Sanction for Solarization of Agricultural Feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) for FY 2020-21

With reference to demand received from various States for solarization of agricultural feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) Scheme for FY 2020-21, I am directed to convey the sanction of President of India for following quantities of existing grid connected agricultural pumps to State Implementation Agencies (SIAs) under the said component:

S. No.	State Implementation Agency (SIA) for Feeder Level Solarization under Component-C	Sanctioned Quantity of Solarization of Existing Agricultural Pumps (Nos.)
1	Andhra Pradesh Green Energy Corporation Limited	50,000
2	Gujarat Urja Vikas Nigam Limited	500
3	Jharkhand Bijli Vitran Nigam Limited	10,000
4	Kerala State Electricity Board Limited	2,000
5	Meghalaya Energy Corporation Limited	10,000
6	Uttar Pradesh Power Corporation Limited	30,000

2. SIAs shall follow all the terms and conditions stipulated in the Guidelines of the above mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof, and Feeder Level Solarization Guidelines issued vide Order no. 32/645/2017-SPV Division dated 04.12.2020.

3. The requirement of total annual power for an agriculture feeder shall be assessed by the concerned SIA and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar power to that feeder. For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with CUF of 19%. Higher or lower CUF, depending upon the average solar insolation available in the areas, may be considered for assessing solar power capacity.

4. For the purpose of calculating CFA, the cost of installation of solar power plant has been estimated as Rs. 3.5 Cr/MW. Central Financial Assistance will be available at 30% of the estimated cost of installation of solar power plant i.e. Rs. 1.05 Cr/MW (30% of Rs. 3.5 Cr/MW). Feeders with connected agricultural pumps of any capacity can be solarized, however, feeder solarization capacity and the corresponding CFA will be worked out based on maximum agricultural pump capacity of 7.5 HP.

Shobhit

5. The process of tendering and signing of work agreement with EPC contractor shall be completed by the concerned SIA within six months from the date of issuance of sanction by MNRE. The maximum timeline allowed for commissioning of solar power plant by RESCO Developer will be nine months from the date of signing of PPA. SIAs shall submit progress reports and completion reports on the online portal for PM-KUSUM Scheme.

6. If implemented in RESCO mode, concerned State Government may choose to provide upfront subsidy in lieu of electricity subsidy being given to agriculture consumers. This upfront subsidy from state could be in the form of VGF to RESCO developer, in addition to 30% CFA, to supply power to farmers of an agriculture feeder at present subsidised rates or any other rate fixed by state Government. For example, if present subsidised rate for agriculture is Rs. 1.50/kWh, the RESCO developer will be selected on the basis of lowest VGF bid for supply of solar power at Rs. 1.50/kWh.

7. SIAs/ DISCOMs shall incentivise farmers for consuming power less than benchmark consumption. Such saving of power shall be treated as surplus power injected by farmers and they will be paid by DISCOMs against this saved power at pre-determined tariff.

8. SIAs shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under Component-C of the Guidelines, including creating awareness about the scheme. MNRE may retain a certain amount from service charge for nation-wide centralised IEC activities.

9. Eligible CFA and service charges would be released to SIAs as per provisions of Administrative Approval dated 08.03.2019 and terms and conditions stipulated in the Scheme Guidelines mentioned above.

10. SIAs will ensure use of indigenously manufactured solar panels with indigenous solar cells and modules. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. Further, the balance of system should also be manufactured indigenously. The vendor shall provide declaration to concerned SIA with a list of imported components used in the solarisation system.

11. SIA shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme Sanction.

12. In terms of Rule 230 (7) of GFR 2017 and instructions of DoE, SIAs shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.

13. In terms of the Rule 230 (1) of GFR, concerned SIA will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.

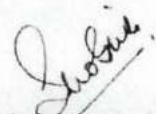
14. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.

15. SIAs will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(A) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.

16. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 07 & Page No. 51 in the Expenditure Register of this Division.

17. This sanction is issued to State Implementation Agencies which are not Non-Governmental Organizations (NGOs)/ Civil Society Organizations (CSOs)/ Voluntary Organizations (VOs).

18. This issues with the approval of Competent Authority.



(Shobhit Srivastava)
Scientist D

Phone No: 011-24360707/1016

To

Concerned SIAs/ Distribution Companies for Feeder Level Solarization under Component-C of PM-KUSUM Scheme

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

F. No. 32/645/2017-SPV Division (Part-3)
 Government of India
 Ministry of New and Renewable Energy

Block no. 14, CGO Complex, Lodi
 Road, New Delhi - 110003

Date: 11 May 2022

Office Memorandum

Subject: Amendment in provisions of bank guarantees in PM-KUSUM Scheme Guidelines - reg.

Under Para 3(1)(A)(g) of the PM-KUSUM Guidelines issued vide OM No. 32/645/2017-SPV Division dated 22.07.2019, on 'Bank Guarantees' related to Component-A of PM-KUSUM, it has been mentioned that:

- "The RPG shall provide the following Bank Guarantees to DISCOM as follows:
- Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI
 - Performance Bank Guarantee (PBG) of Rs. 5 Lakh/MW within 30 days from date of issue of Letter of Award.

The Bank Guarantees against EMD shall be returned to the selected RPG on submission of valid PBGs. The selected RPGs are required to sign PPA with the DISCOM in line with the timeline given in the Guidelines. In case, the selected RPG fails to execute the PPA within the stipulated time period, the Bank Guarantee equivalent to EMD shall be encashed by DISCOM as penalty. In case any bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected RPG(s). The PBGs shall be valid for a period of 12 months from the date of issue of LoA for the RPP. The PBG will be returned to the RPG immediately after successful commissioning of solar power plant, after taking into account any penalties due to delay in commissioning as per provisions stipulated in the Guidelines."

2. Undersigned is directed to convey that the requirement of separate PBG of Rs. 5 Lakh/MW has been removed and the above clause stands amended as given below:

"The Solar Power Generator (SPG) shall provide Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI. The EMD of Rs. 1 lakh per MW will be converted into PBG for the successful bidder, who has signed the PPA within stipulated time period. In case, the selected SPG fails to execute the PPA within the stipulated time period, the Bank Guarantee shall be encashed by DISCOM as penalty. In case, a bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected SPG(s). The PBGs shall be valid for a period of 12 months from the date of issue of LoA for the Solar Energy Project. The PBG will be returned to the SPG immediately after successful commissioning of solar power plant, after taking into account any penalties due to delay in commissioning as per provisions stipulated in the Guidelines."

The above amendment in Component-A will apply prospectively to all projects which have not been physically set up on the date of issue of this OM.

3. Under Para 2(B) of the Guidelines for Solarization of Agriculture Feeders under Component-C of PM-KUSUM Scheme, issued vide OM No. 32/645/2017-SPV Division dated 04.12.2020, it has been mentioned that:

"CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful commissioning and declaration of Commercial Operation Date (COD) of solar power plant. The release of CFA to RESCO developer is subject to submission of bank guarantee equivalent to CFA amount. Bank Guarantee will be released in four lots of 25% each on successful operation of plant after 2.5 yrs, 5 yrs, 7.5 yrs and 10 yrs from CoD."

4. Undersigned is directed to convey that that requirement of bank guarantee in the above clause has been removed and the clause stands amended as given below:

"CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful operation and performance of the solar plant for two months after the commissioning, with at least one month CUF as per minimum CUF agreed in PPA. Further, a suitable clause in PPA shall be included to ensure that RESCO developer does not sell solar power to any other buyer except the concerned Discom during tenure of PPA, including penal provision calling for refund of proportionate CFA granted to the project by MNRE on violation of this condition. In case of any liquidation of assets of the solar power plant prior to completion of PPA period, the first charge shall be towards recovery of proportionate CFA granted to the project by MNRE."

The above amendment in Component-C will be applicable prospectively to all sanctions for feeder solarization issued by MNRE under the Scheme, except for the cases where bids are closed before issuance of this amendment.

5. This issues with approval of Competent Authority.


(Shobhit Srivastava)
Scientist-D

To

All concerned

No. 283/16/2023-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003

Dated: 10th March, 2023

OFFICE MEMORANDUM

**Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules
(Requirements for Compulsory Registration) Order, 2019: Amendment - reg.**

Ref:

- i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 2nd January, 2019 reg. Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019; and
- ii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 2nd February, 2021.
- iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13th January, 2022.
- iv. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 28th March, 2022.
- v. Clarification to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(5) dated 07th October, 2022.

With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments and clarification thereto, the undersigned is directed to convey that subject Order is hereby held in abeyance for one financial year, i.e. FY 2023-24. Thus Projects commissioned by 31.03.2024 will be exempted from the requirement of procuring Solar PV modules from ALMM.

2. This issues in line with the approval of Hon'ble Minister (NRE & Power).



(Sanjay G. Karndhar)
Scientist-D

Email: karndhar.sg@nic.in

To:

All concerned

Copy to:

Director (Technical), NIC, MNRE, for uploading on MNRE Website

No. 283/16/2023-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003

Dated: 9th February 2024

OFFICE MEMORANDUM

Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 - reg.

Ref:

Vide MNRE's Order of even no. dated 10th March 2023, the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 (ALMM Order) was held in abeyance for one financial year, i.e. FY 2023-24. As per further decision on this issue, the undersigned is directed to convey that:

- a) The ALMM [Approved List of Models & Manufacturers] for Solar PV Modules, is being re-imposed with effect from 1st April, 2024.
 - b) The ALMM will apply as per the Law, only to those projects which are sponsored/ subsidized by the Government. ALMM will apply to Government or its agencies procuring power for its own consumption or for distribution to the people through Distribution Companies. ALMM will apply to Solar PV Rooftops and PM KUSUM; which are subsidized. The ALMM will not apply to projects set up under open access or as captive by private parties. In other words, ALMM will not be applicable for people who set up their own capacity.
 - c) Aforesaid order of even no. dated 10th March 2023, inter-alia, conveyed that projects commissioned by 31st March 2024 will be exempted from the requirement of procuring Solar PV modules from ALMM. However, now, it has been decided that the relaxation in ALMM shall apply to all cases where the projects are in advanced stage of construction and the order for the modules has been placed before 31st March 2024. That the plant is in advanced stages of construction and the irrevocable LC has been opened before 31st March, 2024, will be subject to verification.
2. This issues in line with the approval of Hon'ble Minister (NRE & Power).



(Sanjay G. Karndhar)

Scientist-E

Email: karndhar.sg@nic.in

To: All concerned

Copy to: Director (Technical), NIC, MNRE, for uploading on MNRE Website

No. 283/16/2023-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003

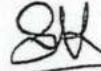
Dated: 15th February 2024

OFFICE MEMORANDUM

Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 - reg.

The undersigned is directed to convey that the O.M. of even no. dated 9th February, 2024 (copy enclosed) on the subject issue, is hereby held in abeyance till further orders.

2. This issues with the approval of Hon'ble Minister (Power & NRE).



(Sanjay G. Karndhar)
Scientist-E

Email: karndhar.sg@nic.in

To: All concerned

Copy to: Director (Technical), NIC, MNRE, for uploading on MNRE Website

No. 283/16/2023-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003

Dated: 9th February 2024

OFFICE MEMORANDUM

Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 - reg.

Ref:

Vide MNRE's Order of even no. dated 10th March 2023, the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 (ALMM Order) was held in abeyance for one financial year, i.e. FY 2023-24. As per further decision on this issue, the undersigned is directed to convey that:

- a) The ALMM [Approved List of Models & Manufacturers] for Solar PV Modules, is being re-imposed with effect from 1st April, 2024.
 - b) The ALMM will apply as per the Law, only to those projects which are sponsored/ subsidized by the Government. ALMM will apply to Government or its agencies procuring power for its own consumption or for distribution to the people through Distribution Companies. ALMM will apply to Solar PV Rooftops and PM KUSUM; which are subsidized. The ALMM will not apply to projects set up under open access or as captive by private parties. In other words, ALMM will not be applicable for people who set up their own capacity.
 - c) Aforesaid order of even no. dated 10th March 2023, inter-alia, conveyed that projects commissioned by 31st March 2024 will be exempted from the requirement of procuring Solar PV modules from ALMM. However, now, it has been decided that the relaxation in ALMM shall apply to all cases where the projects are in advanced stage of construction and the order for the modules has been placed before 31st March 2024. That the plant is in advanced stages of construction and the irrevocable LC has been opened before 31st March, 2024, will be subject to verification.
2. This issues in line with the approval of Hon'ble Minister (NRE & Power).



(Sanjay G. Karndhar)

Scientist-E

Email: karndhar.sg@nic.in

To: All concerned

Copy to: Director (Technical), NIC, MNRE, for uploading on MNRE Website

No. 283/16/2023-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003

Dated: 29th March, 2024

OFFICE MEMORANDUM

**Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules
(Requirements for Compulsory Registration) Order, 2019 - reg.**

1. Vide MNRE's Order of even no. dated 10th March 2023, the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 (ALMM Order) was held in abeyance for one financial year, i.e. FY 2023-24. It is clarified that the ALMM [Approved List of Models & Manufacturers] for Solar PV Modules, shall accordingly come into effect from 1st April, 2024.
2. Each project where the solar PV modules have been received at the project site by 31st March, 2024 and is unable to get commissioned by that day, on account of reasons beyond the control of the renewable power developer, would be examined separately.
3. This issues with the approval of Hon'ble Minister (Power & NRE).



(Sanjay G. Karndhar)

Scientist-E

Email: karndhar.sg@nic.in

To: All concerned

Copy to: Director (Technical), NIC, MNRE, for uploading on MNRE Website

F. No. 32/54/2018- SPV Division
Government of India
Ministry of New & Renewable Energy

Atal Akshaya Urja Bhawan
Lodi Road, New Delhi 110003
Dated: 05 August 2022

ORDER

Subject: Sanction for Solarization of Agricultural Feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM)

With reference to demand received from various States for solarization of agricultural feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) Scheme, I am directed to convey the sanction of President of India for following quantities of existing grid connected agricultural pumps to State Implementation Agencies (SIAs) under the said component:

S. No.	State Implementation Agency (SIA)	Sanctioned Quantity of Solarization of Existing Agricultural Pumps (Nos.)
1	Chhattisgarh State Power Distribution Company Limited (CSPDCL)	286735
2	Gujarat Urja Vikas Nigam Limited (GUVNL)	260668
3	Uttar Haryana Bijli Vitran Nigam Limited	27937
4	Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)	82545
5	Distribution Companies in Odisha*	8689
6	Punjab Energy Development Agency (PEDA)	86889
7	Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	8689
	Total	762152

3. SIAs shall follow all the terms and conditions stipulated in the Guidelines of the above mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof, and Feeder Level Solarization Guidelines issued vide Order no. 32/645/2017-SPV Division dated 04.12.2020.

4. The requirement of total annual power for an agriculture feeder shall be assessed by the concerned SIA and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar power to that feeder. For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with CUF of 19%. Higher or lower CUF, depending upon the average solar insolation available in the areas, may be considered for assessing solar power capacity.

5. For the purpose of calculating CFA, the cost of installation of solar power plant has been estimated as Rs. 3.5 Cr/MW. Central Financial Assistance will be available at 30% of

[Signature]

the estimated cost of installation of solar power plant i.e. Rs. 1.05 Cr/MW (30% of Rs. 3.5 Cr/MW). Feeders with connected agricultural pumps of any capacity can be solarized, however, feeder solarization capacity and the corresponding CFA will be worked out based on maximum agricultural pump capacity of 7.5 HP.

6. The process of tendering and signing of work agreement with EPC contractor shall be completed by the concerned SIA within six months from the date of issuance of sanction by MNRE. The maximum timeline allowed for commissioning of solar power plant by RESCO Developer will be nine months from the date of signing of PPA. SIAs shall submit progress reports and completion reports on the online portal for PM-KUSUM Scheme.

7. If implemented in RESCO mode, concerned State Government may choose to provide upfront subsidy in lieu of electricity subsidy being given to agriculture consumers. This upfront subsidy from state could be in the form of VGF to RESCO developer, in addition to 30% CFA, to supply power to farmers of an agriculture feeder at present subsidised rates or any other rate fixed by state Government. For example, if present subsidised rate for agriculture is Rs. 1.50/kWh, the RESCO developer will be selected on the basis of lowest VGF bid for supply of solar power at Rs. 1.50/kWh.

8. SIAs/ DISCOMs shall incentivise farmers for consuming power less than benchmark consumption. Such saving of power shall be treated as surplus power injected by farmers and they will be paid by DISCOMs against this saved power at pre-determined tariff.

9. SIAs shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under Component-C of the Guidelines, including creating awareness about the scheme. MNRE may retain a certain amount from service charge for nation-wide centralised IIC activities.

10. Eligible CFA and service charges would be released to SIAs as per provisions of Administrative Approval dated 08.03.2019 and terms and conditions stipulated in the Scheme Guidelines mentioned above.

11. The condition of domestic content requirement for solar cells has been waived off for the feeder solarization projects under Component-C for which work is awarded to the implementing company (EPC contractor in case of CAPEX or the RESCO Company) by 20.06.2023.

12. SIA shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme Sanction.

13. In terms of Rule 230 (7) of GFR 2017 and instructions of DoI, SIAs shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.

14. In terms of the Rule 230 (1) of GFR, concerned SIA will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.

15. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.

16. SIAs will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(A) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.

17. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 09 & Page No. 52 in the Expenditure Register of this Division.

18. This issues with the approval of Competent Authority.


(Shobhit Srivastava)
Scientist D

To

Concerned SIAs/ Distribution Companies for Feeder Level Solarization under Component-C of PM-KUSUM Scheme

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

F. No. 32/54/2018- SPV Division
Government of India
Ministry of New & Renewable Energy

Block No.14, CGO Complex
Lodi Road, New Delhi 110003
Dated: 18 May 2022

ORDER

Subject: Sanction for Solarization of Agricultural Feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM)

With reference to demand received from various States for solarization of agricultural feeders under Component-C of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) Scheme, I am directed to convey the sanction of President of India for following quantities of existing grid connected agricultural pumps to State Implementation Agencies (SIAs) under the said component:

S. No.	State Implementation Agency (SIA)	Sanctioned Quantity of Solarization of Existing Agricultural Pumps (Nos.)
1	Chhattisgarh State Power Distribution Company Limited (CSPDCL)	43265
2	Gujarat Urja Vikas Nigam Limited (GUVNL)	39332
3	Uttar Haryana Bijli Vitran Nigam Limited	4215
4	Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)	12455
5	Distribution Companies in Odisha*	1311
6	Punjab Energy Development Agency (PEDA)	13111
7	Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	1311
	Total	115000

*State Government to finalize Discom-wise allocation and intimate to MNRE

3. SIAs shall follow all the terms and conditions stipulated in the Guidelines of the above mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof, and Feeder Level Solarization Guidelines issued vide Order no. 32/645/2017-SPV Division dated 04.12.2020.

4. The requirement of total annual power for an agriculture feeder shall be assessed by the concerned SIA and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar power to that feeder. For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with CUF of 19%. Higher or lower CUF, depending upon the average solar insolation available in the areas, may be considered for assessing solar power capacity.



5. For the purpose of calculating CFA, the cost of installation of solar power plant has been estimated as Rs. 3.5 Cr/MW. Central Financial Assistance will be available at 30% of the estimated cost of installation of solar power plant i.e. Rs. 1.05 Cr/MW (30% of Rs. 3.5 Cr/MW). Feeders with connected agricultural pumps of any capacity can be solarized, however, feeder solarization capacity and the corresponding CFA will be worked out based on maximum agricultural pump capacity of 7.5 HP.
6. Timelines for implementation shall be as per the Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and Feeder Level Solarization Guidelines issued vide Order no. 32/645/2017-SPV Division dated 04.12.2020 and amendments thereof.
7. If implemented in RESCO mode, concerned State Government may choose to provide upfront subsidy in lieu of electricity subsidy being given to agriculture consumers. This upfront subsidy from state could be in the form of VGF to RESCO developer, in addition to 30% CFA, to supply power to farmers of an agriculture feeder at present subsidised rates or any other rate fixed by state Government. For example, if present subsidised rate for agriculture is Rs. 1.50/kWh, the RESCO developer will be selected on the basis of lowest VGF bid for supply of solar power at Rs. 1.50/kWh.
9. SIAs shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under Component-C of the Guidelines, including creating awareness about the scheme. MNRE may retain a certain amount from service charge for nation-wide centralised IEC activities.
10. Eligible CFA and service charges would be released to SIAs as per provisions of Administrative Approval dated 08.03.2019 and terms and conditions stipulated in the Scheme Guidelines mentioned above.
11. SIAs will ensure use of indigenously manufactured solar panels with indigenous solar cells and modules. Further, the balance of system should also be manufactured indigenously. The vendor shall provide declaration to concerned SIA with a list of imported components used in the solarisation system.
12. SIA shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme/Sanction.
13. In terms of Rule 230 (7) of GFR 2017 and instructions of DoE, SIAs shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.
14. In terms of the Rule 230 (1) of GFR, concerned SIA will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.
15. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.
16. SIAs will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(C) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.



17. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 04 & Page No. 51 in the Expenditure Register of this Division.

18. This issues with the approval of Competent Authority.


(Shobhit Srivastava)
Scientist D

Phone No: 011-24360707/1016

To

Concerned SIAs/ Distribution Companies for Feeder Level Solarization under Component-C of PM-KUSUM Scheme

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

	Gujarat Urja Vikas Nigam Limited	
(An ISO 9001:2008 Company) CIN U40109GJ2004SGC045195		
Registered and Corporate Office: Sardar Patel Vidyut Bhavan Race Course, Vadodara-390007		
Email: cetech.guvnl@gebmail.com	web site: www.guvnl.com	Tele (Di) : (0265) 2340205 PBX : (0265) 2310582 to 86 FAX : (0265) 2337918, 2338164

No. GUVNL/Tech/Solar-Cell/ PM-KUSUM-C/FLS/1693

Date: 21/06/2022

To
The Managing Director,
DGVCL/MGVCL/PGVCL/UGVCL
Corporate Office,
Surat/Vadodara/Rajkot/Mehsana

Sub: Revision in allocation of Quantity and inviting Request for Selection (RfS) of Solar Power Generator (SPG) for Feeder Level Solarization Component-C of PM-KUSUM Scheme.

- Ref:1. MNRE's OM No. 32/645/2017-SPV DIVISION, Date: 04-12-2020
2. MNRE's sanction vide no-32/54/2018- SPV DIVISION Date:17-03-2021
3. EPD, GoG letter to MNRE no-REN/11/2021/552/B1 Date:13-01-2022
4. EPD, GoG letter to GUVNL no-SLR/11/2016/2284/B1 Date:07-04-2022
5. MNRE's sanction vide no-32/54/2018- SPV DIVISION Date:18-05-2022
6. GUVNL's letter to all DISCOM no-GUVNL/Tech/Solar-Cell/PM-KUSUM-C/FLS/1500 Date:01-06-2022

Respected Sir,

In continuation with the GUVNL's letter dated 01-06-2022 to all DISCOMs for inviting RfS under Component-C (FLS). It is to inform you that MNRE vide email dated:24-05-2022 informed all SIAs regarding initiating the tendering process for the balance quantity as under:-

"Proposal for extension and expansion of the PM-KUSUM Scheme has been submitted for approval of the Ministry of Finance and the remaining quantities, which could not be allocated in this round, would be allocated once MoF's approval is received. In the meantime, SIAs anticipating fresh/ additional allocations can undertake activities such as identification of sub-station/feeders/beneficiaries; preparation of tender documents; filing of tariff petition with the respective State regulator, if required; initiate the tendering process; etc. However, the Letter of Award shall be given only after getting the firm allocation from the Ministry."

Sr. No.	State	Feeder Level Solarization (Nos)	Balance Demand pending for approval (Nos.)
2	Gujarat	39832	260668

During the PRM held under the chairmanship of MD, GUVNL with MDs and CEs of all DISCOMs on 15-06-2022, it was discussed and decided to invite Request for Selection

(RfS) under Component-C of FLS for total demanded quantity : 3,00,000 nos. of agriculture pumps.

Considering the status of existing Ag. consumers having load of up to 7.5HP, the quantity to be distributed among all DISCOMs in proportionate to the total connections of up to 7.5 HP is proposed as under:-

DISCOM	Total Ag. Connections	Total Ag. Connections Up to 7.5 HP	Earlier Allocation to DISCOM (Agriculture Pumps)	Proposed Fresh Allocation to DISCOM (Agriculture Pumps)	Total Allocation to DISCOM (Agriculture Pumps) For inviting RFS
DGVCL	206102	164232	465	39035	39500
MGVCL	202749	133882	1855	30345	32200
PGVCL	1085119	758895	30820	151680	182500
UGVCL	413981	190410	6692	39108	45800
Total	1907951	1247419	39832	260168	300000

Here, it is apt to mention that the tariff to be discovered for the Solar plants will be different for different capacity of Solar plants at different locations.

Further, MNRE is providing CFA for agriculture connections pumps of capacity up to 7.5 HP only. Hence, DISCOMs are requested to select feeders having at least 90% agriculture connections up to 7.5 HP firstly. In case of 90% criteria is not met, DISCOMs may select feeders in down grade manner gradually. i.e. first 89%, 88 %up to 80 %.

In view of the above, GUVNL being an SIA, hereby authorize all DISCOMs to invite the RfS to select SPG as per the tender to be modified by PGVCL for the Feeder level Solarization under Component-C of PM-KUSUM Scheme, in consultation with GUVNL.

DISCOM are requested, after selection of SPG / parties the discovered tariff may be consulted with GUVNL and subsequently before signing agreement, tariff needs to be adopted by GERC.

Concerned officers may please be directed to take necessary action in this matter by observing MNRE's guideline dated: 04-12-2020 and amendments thereof.

This is submitted with the approval of MD, GUVNL.

Thanking you,

Yours Faithfully,


Addl. Chief Engineer (Tech)

CFWC:-

1. The Director(Tech) – GUVNL, Vadodara
2. GM (Commerce / IPP)

	Gujarat Urja Vikas Nigam Limited		
	Sardar Patel Vidyut Bhavan, Race Course, Vadodara: 390 007		
	CIN U40109GJ2004SGC045195	An ISO 9001:2015 Certified Company Phone: 0265-2311797	
No : GUVNL/Tech/ Solar Cell/PM KUSUM-C/FLS / 1551			Date : 21-09-2023
<u>By e-Sarkar & E-mail</u>			

To
The Chief Engineer (P&P),
UGVCL,
Corporate Office,
Mehsana

Sub.:- Revision in allocation for Solarization of AG connections under Feeder Level Solarization Component-C of PM-KUSUM Scheme.

Ref.:- 1) UGVCL's letter No.-UGVCL/R&C/Solar Cell/PM KUSUM C-FLS/1182 dated 13-09-2023
2) GUVNL's letter No.-GUVNL/Tech/Solar-Cell/PM-KUSUM-C/FLS/1495 dated 06-09-2023
3) GUVNL's letter No.-GUVNL/Tech/Solar-Cell/PM-KUSUM-C/FLS/1693 dated 21-06-2022

This office vide letter No. 1495 dated 06-09-2023 had conveyed the Re-allocation of quantities to DISCOMs for inviting RfS for Feeder Level Solarization under Component-C of PM-KUSUM Scheme.

Now, UGVCL vide letter no. 1182 dated 13-09-2023 have submitted request for an additional allocation for solarization of Ag. connection considering unconditional acceptances received of LOI, under the scheme to file tariff petition.

In view of above, as approved by the competent Authority of GUVNL, re-allocation of quantities among all DISCOMs is as under;

DISCOM	Original Allocation (No. of Agriculture Pumps) as per letter dated <u>21-06-2022</u>	Earlier Re-allocation (No. of Agriculture Pumps) as per letter dated <u>06-09-2023</u>	Re-allocation (No. of Agriculture Pumps)
DGVCL	39500	17145	15417
MGVCL	32200	3453	3453
PGVCL	182500	228612	228612
UGVCL	45800	50790	52518
Total	300000	300000	300000

This is for further appropriate actions after observing all formalities, please.


 (S. S. Modi)
 Chief Engineer (Tech)

Cfwcs to:-

1. The Director (Tech/Fin.), GUVNL, Vadodara.
2. The Managing Director, DGVCL/MGVCL/PGVCL/UGVCL

32/54/2018-SPV Division-Part(1)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003
Date: 15th September 2023

ORDER

Subject: Sanction of additional allocation and cancellation of existing quantities under Pradhan Mantri Kisan Urja Suraksha Evan Utaan Mahabhiyaan (PM KUSUM) for FY 2023-24

With reference to demand received from various States for different components under PM KUSUM Scheme for FY 2023-24, and based on the approval of the Screening Committee, the undersigned is directed to convey the sanction of President of India for the following additional capacities and cancelled quantities to State Implementing Agencies/Electricity Distribution Companies (DISCOM) under Component A, B, C of PM KUSUM Scheme:

A. New approval under PM KUSUM

i) Component A

Sr No	State	New Allocation (MW)
1	Himachal Pradesh	50

ii) Component B

Sr No	State	New Allocation (Nos. of Pumps)
1	Meghalaya	1500

iii) Component C (FLS)

Sr No	State	New Allocation (Nos. of Pumps)
1	Kerala	22,187
2	Maharashtra	3,00,000
3	Gujarat	1,25,000
4	Rajasthan	1,00,000

iv) Component C(IPS)

Sr No	State	New Allocation (Nos. of Pumps)
1	Uttar Pradesh	1000

Par

B. Cancellation of quantities under PM KUSUM**i) Component B**

Sr No	State	Cancelled Allocation (Nos. of Pumps)
1	Mizoram	3000

C. Re-allocation of quantities under PM KUSUM**i) Component B**

Sr No	State/SIA	Previous Allocation	Revised allocation
1	Uttarakhand	3705	3685
2	DGVCL	1394	1624
3	MGVCL	142	142
4	PGVCL	327	169
5	UGVCL	137	65

2. The project commissioning timeline shall be as mentioned in the Guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan issued vide order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof. SIAs/Discoms shall submit progress reports and completion reports on the online portal for PM-KUSUM Scheme.

3. SIAs/ Discoms shall follow all the terms and conditions stipulated in the Guidelines of the above mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof.

4. SIAs/ Discoms shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under Component-A of the Guidelines.

5. SIAs/ Discoms shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme/Sanction.

6. In terms of Rule 230 (7) of GFR 2017 and instructions of DoE, SIAs/ Discoms shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.

7. In terms of the Rule 230 (1) of GFR, concerned SIA/ Discom(s) will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.

8. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA/Discom(s) shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.

Handwritten signature/initials

9. SIAs/ Discoms will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(A) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.

10. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 01 & Page No. 6 in the Expenditure Register of this Division.

11. This issues with the approval of Competent Authority.

Dr. Nikhil Gakkhar
15/12/23
(Dr. Nikhil Gakkhar)
Scientist-C
011-20849115

To

Concerned SIAs/ Discoms/ SNAs of PM-KUSUM Scheme

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

32/54/2018-SPV Division-Part (1)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003
Date: 20 December 2023

ORDER

Subject: Sanction of allocation under Pradhan Mantri Kisan Urja Suraksha Evan Utthaan Mahabhiyaan (PM KUSUM) for Component C (FLS) during FY 2023-24 for the State of Gujarat

With reference to demand received from the State of Gujarat for solarization of Pumps under Feeder Level Solarization, under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) Scheme for FY 2023-24, the undersigned is directed to convey the sanction of President of India for installation of following quantities of standalone solar pumps to State Implementation Agencies (SIAs) under Component-C (FLS) of PM KUSUM Scheme:

S. No.	State Implementation Agency (SIA)	Sanctioned Quantity of Standalone Solar Pumps (Nos)
1	Gujarat Urja Vikas Nigam Ltd. (GUVNL)	200000

2. The project commissioning timeline shall be as mentioned in the Guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan issued vide order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof. SIAs/Discoms shall submit progress reports and completion reports on the online portal for PM-KUSUM Scheme.

3. SIA shall follow all the terms and conditions stipulated in the Guidelines of the above-mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 22.07.2019 and amendments thereof. SIAs shall follow the Scheme Guidelines for selection of beneficiary farmer and size of pump to be installed. Further, systems installed under the Scheme should meet technical specification and construction standards as specified by BIS and MNRE from time to time.

4. SIA shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under Component-B of the Guidelines, including creating awareness about the scheme. MNRE may retain a certain amount from service charge for nation-wide centralised IEC activities.

5. Eligible CFA and service charges would be released to SIAs as per the terms and conditions stipulated in the Scheme Guidelines and will be released based on milestones achieved. CFA will be worked out based on type and capacity of solar pumps and respective benchmark costs as amended from time to time or the tender cost, whichever is lower. SIA shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme/Sanction.

[Handwritten signature]

6. In terms of Rule 230 (7) of GFR 2017 and instructions of DoE, SIA shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.
7. In terms of the Rule 230 (1) of GFR, concerned SIA will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.
8. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.
9. SIA will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(A) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.
10. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 26 & Page No. 4 in the Expenditure Register of this Division.
11. This is issued with the approval of Competent Authority.

Dr. Nikhil Gakkhar
20/12/23
(Dr. Nikhil Gakkhar)
Scientist-C
011-20849115

To
Gujarat Urja Vikas Nigam Ltd. (GUVNL)

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

	<u>Gujarat Urja Vikas Nigam Limited</u>		
	Sardar Patel Vidyut Bhavan, Race Course, Vadodara: 390 007		
	CIN U40109GJ20045GC045195	An ISO 9001:2015 Certified Company Phone: 0265-2311797	
No : GUVNL/Tech/ Solar Cell/ PM KUSUM-C/FLS / 118			Date : 23 -01-2024
<u>By e-Sarkar & E-mail</u>			

To
The Managing Director,
DGVCL/MGVCL/PGVCL/UGVCL
Corporate Office,
Surat/Vadodara/Rajkot/Mehsana

Sub.- New Allocation of Quantity under Feeder Level Solarization Component-C of PM-KUSUM Scheme.

Ref.- 1) MNRE's Order No.: 32/54/2018-SPV Division-Part (1) dated 20-12-2023
2) e-Sarkar file no.: GUVNL/Tech/e-file/443/2023/0541/Technical (Note no 95 to 100)

Respected Sir,

MNRE vide order dated 20-12-2023 has given sanction of additional allocation (New allocation) of 2,00,000 no. of pumps under Feeder Level Solarization Component-C of PM-KUSUM Scheme to the Gujarat State. Copy of which is enclosed herewith.

In above regard, DISCOM wise new allocation is as under;

DISCOM	No. of pumps
DGVCL	5000
MGVCL	5000
PGVCL	130000
UGVCL	60000
Total	200000

In view of above, DISCOMs are authorized to invite the RfS to select SPG and take further appropriate actions after observing all formalities, please.

This is issued with the approval of MD, GUVNL.

Thanking you.

Yours Faithfully,



(S. S. Modi)
Chief Engineer (Tech)

Encl.:- As above

Cfwcs to:-

The Director (Tech/Fin.), GUVNL, Vadodara.

THE HISTORY OF THE

C

C

32/54/2018-SPV Division-Part (1)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003

Date: 12th July 2023

Office Memorandum

Subject: Amendment in the implementation guidelines of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme

Vide OM 32/645/2017-SPV Division dated 22.07.2019, Ministry had issued guidelines for Pradhan Mantri Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM). Vide OM of even number dated 04.11.2020, scale-up and expansion of PM KUSUM were issued. The detailed guidelines for implementation of FLS were issued vide OM dated 04.12.2020 and simplification where issued vide OM dated 14.12.2021. Further, the quantities under Component B and C were made fungible. Based on the implementation experience of PM KUSUM, it is observed that Component C is gaining traction among states, and is very important due to its universal access to agricultural feeders. Most of the pumps that are grid connected pumps are now being solarized. For carrying out bids under Component C (FLS), land was observed to be the main issue. On examination of existing arrangements being carried out by various states, it is observed that land aggregation model being implemented by Maharashtra is forward-thinking and meticulously planned. The intention is to take land on lease with commensurate lease rent for farmers, to make sure the availability of land for solar projects. Therefore, in order to facilitate the implementation of the PM KUSUM scheme and ease the process of land availability for solar power plants under Component C (FLS), the scheme is hereby modified with following modalities:

a) Identifying the substation

State Nodal Agencies/Implementing Agencies/ DISCOM will identify substations having downstream agriculture load along with the number of pumps connected to that substation. The annual power requirement for the agriculture feeders and the capacity of solar power plant that can cater to the power requirement for that agriculture feeder may be assessed. Preference may be given to the substations with 11/33 kV bus bars. The identification may include an assessment of:

- Latitude/longitude of substations
- Details of agriculture load served downstream
- MW capacity installed downstream
- Details of spare bay available at LV side
- Any other requirement



b) Land Lease Rate:

Land lease rates would be announced by the state government. Currently, the state of Maharashtra offers Rs 1.25 lakhs/hectare/year for private land or 6% of ready reckoner rate, whichever is higher, with a yearly 3% increment of the base rate, and Rs 1/hectare/year for public land for a period of 30 year. The states may decide similar competitive provisions. The Government will advertise these rates along with the list of substations and request farmers to offer their land on lease in the vicinity of the substations at the offered lease rent.

c) Development of Online portal

A dedicated online portal can be developed by the States/SIA/DISCOM which will serve as centralized portal for land aggregation. The state should have the details of identified substations. The portal may be developed by State/SIA/DISCOM. The States/SIA/DISCOMs will advertise their intention to take land on lease from the farmers along with a declaration of land lease rates. The farmers who wish to offer their land near the substation on lease may apply directly on the portal. They may also apply to the Tehsildar/District Magistrates. It would be the responsibility of the District Collector/District Magistrates to ensure that the offline applications received at their end from the framers to lease their land for the installation of solar power plants, are shared with DISCOM/SIAs. The DISCOM/SIA would update the same on online portal on regular basis.

d) Modalities for leasing

- (i) Public Land: The State may facilitate by providing unutilized land on lease at a pre-decided annual rent. The state may also include their unutilized water bodies for the development of the projects.
- (ii) Private Land: All the private land owners who are interested in providing their land for projects may be encouraged to offer their land through the above-mentioned portal. The revenue authority should also verify the authenticity of the land through the respective District Collectors/Magistrates. In order to protect the interest of land owner, the State may decide the amount of lease rent for the land along with annual escalation provisions.

Considering the land required for 1 MW is around 4-5 acres, contiguous land of a minimum of 5 acres and nearer to the substation would be given the preference.



e) Provision of SPV

The DISCOMs may form an SPV which can implement the project along with arrangements for leasing the land etc.

f) Lessee and Lessor Agreement

The Nodal Agency/DISCOM/SPV may also become the single entity to sign land lease agreements with all landowners. In such cases, the individual land owner need not interact with SPD and face uncertainty in timely lease payment. The nodal agency should sign an agreement with individual land owner and a tripartite agreement between DISCOM, Nodal Agency and Solar Power Developers may be worked out where payments are transferred to nodal agency for the purpose of lease rent.

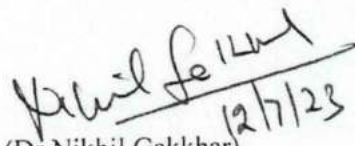
Nodal agency will inform the District Collector/District Magistrate from time to time, about the requirement of land and get in touch with the farmers to lease their land for the purpose.

g) Selection of Solar Power Developers (SPD)

Since the scale of an individual solar project with substation is relatively small, therefore in order to get the benefit of economy of scale, as well as to attract much creditable Solar Power Developers, multiple substations may be grouped as one bidding group. The SPD may be permitted to quote the tariff common for all projects under one group and SPD may sign a single PPA with DISCOM.

For the project under this mechanism, the states are free to choose Renewable Energy Implementing Agencies of Government of India to act as an intermediary procurer.

4. The above amendments are issued with the approval of the Competent Authority.


(Dr Nikhil Gakkhar)
Scientist C

To

All concerned

Subscription price, Five Dollars Per Annum in Advance. Single Copies, Fifteen Cents.

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32/645/2017-SPV Division
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003

Date: 11 September 2023

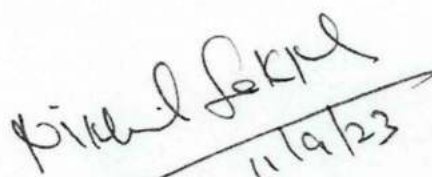
Office Memorandum

Subject: Extension of waiver of domestic content requirement (DCR) for solar cells under Component C of PM-KUSUM scheme

This is in continuation of OM of even number dated 01.08.2022 regarding issuance of extension of PM KUSUM Scheme, where condition of DCR for solar cells was waived off for projects awarded on or before 20.06.2023. The Ministry has received various representations regarding extension of DCR waiver for solar cells under Component C (FLS), owing to ongoing bidding process.

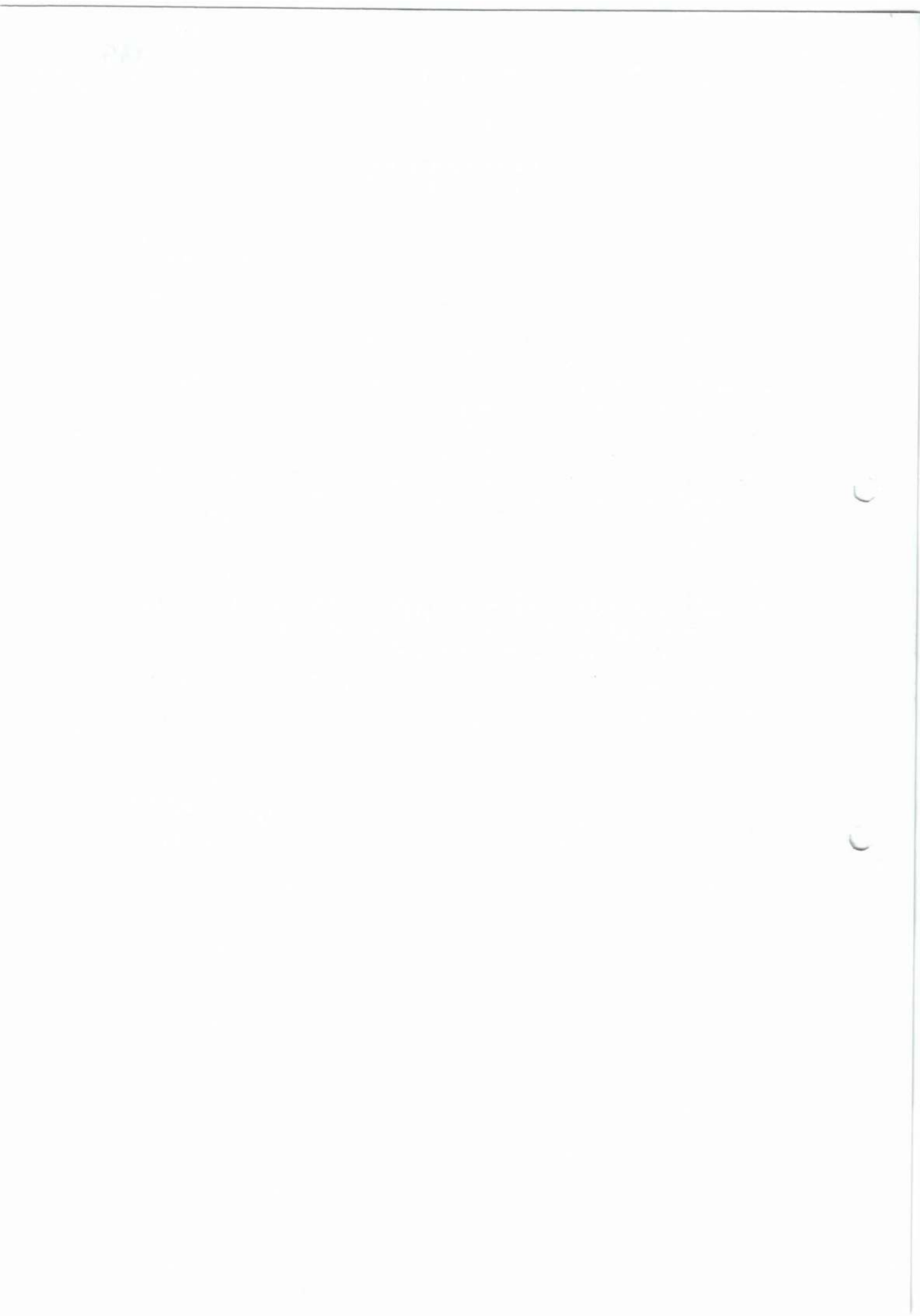
2. In view of the difficulties faced by the stakeholders and SIAs, it has been decided that the provision of requirement of indigenous solar cells (DCR) under Component C (FLS) of the PM KUSUM scheme has been relaxed till **31.03.2024**.

This is with the approval of Competent Authority.


(Dr. Nikhil Gakkhar)
Scientist 'C'
PM-KUSUM Division

To,

All concerned



32/645/2017-SPV Division
Government of India
Ministry of New & Renewable Energy

Atal Akshay Urja Bhawan
Lodhi Road, New Delhi
Date: 17.01.2024

Order

Subject: Comprehensive guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme

In supersession to this Ministry's Office Memorandum 32/645/2017-SPV Division dated 22.07.2019 regarding guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme and all the amendments so far under this scheme, it has been decided to issue a comprehensive guidelines for implementation of PM KUSUM Scheme, with following components:

- i. Component-A: Setting up of 10,000 MW of Decentralized Ground/ Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants;
 - ii. Component-B: Installation of 14 Lakh Stand-alone Solar Agriculture Pumps;
 - iii. Component-C: Solarisation of 35 Lakh Grid Connected Agriculture Pumps including Feeder Level Solarization.
2. The comprehensive guidelines for implementation of PM KUSUM Scheme are enclosed.
3. This is issued with the approval of Competent Authority.

Enclosed: As above.

Nikhil Gakkhar
17/1/24
(Dr. Nikhil Gakkhar)
Scientist 'D'
011-20849115

To
All concern

Guidelines for Implementation of New Scheme for Farmers for Installation of Solar Pumps and Grid Connected Solar Power Plants

1. Background

- 1.1. Government of India has taken various policy measures to increase the installed power generation capacity from non-fossil fuel sources by 2030. To provide energy and water security to farmers and enhance their income, de-dieselize the farm sector, and reduce environmental pollution, the Government of India launched PM-KUSUM on 08.03.2019.
- 1.2. During 2020-21, the scheme was scaled-up and expanded from its pilot stage and notified with due approval of Ministry of Finance. In August 2022, the scheme was extended till March 2026.

2. Components of PM KUSUM

2.1. The PM KUSUM Scheme has the following components:

- i. Component-A: Setting up of 10,000 MW of Decentralized Ground/ Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants by the farmers on their land
- ii. Component-B: Installation of 14 Lakh Stand-alone Solar Agriculture Pumps
- iii. Component-C: Solarisation of 35 Lakh Grid Connected Agriculture Pumps including Feeder Level Solarization

2.2. The PM-KUSUM Scheme allows inter-se transfer of quantities between Component-B and Component-C. All three components of the scheme aim to add Solar capacity of about 34,800 MW by March 2026 with the total Central Financial support of ₹ 34,422 crore.

3. Implementation mechanism

These consolidated guidelines subsume all the previously issued amendments from time to time.

4. Component A

4.1. Salient Features

- i. This Component aims at setting up of 10,000 MW of Decentralized Ground/ Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants by farmers on their land.
- ii. Solar or other Renewable Energy based Power Plants (REPP) of capacity of 500 kW to 2 MW will be setup by Renewable Power Generator (RPG).
- iii. The REPP will be preferably installed within five km radius of the sub-stations in order to avoid high cost of sub-transmission lines and to reduce transmission losses.
- iv. The total energy purchased from these RE plants will be accounted for Renewable Purchase Obligation (RPO) under Decentralized Renewable Energy (DRE) category by the DISCOM.

4.2. Eligibility

- i. The REPP under the scheme would be installed by the farmers on his own land either directly by himself or in partnership with group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/Water User associations (WUA), or through a developer.
- ii. Group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/ Water User associations (WUA) etc. can opt for developing the REPP through developer(s). The farmer may provide his land to the DISCOM, which will then be considered as RPG in this case. In such a case, the land owner will get lease rent as mutually agreed between the parties. The lease rent may be in terms of Rs. per year per acre of land or in terms of Rs. per unit energy generated per acre of land area. The farmer(s) may opt for payment of lease rent directly in their bank account by the DISCOM, from the payment due to the developer. A model Land Lease Agreement to facilitate the beneficiaries is as per Annexure I. However, the terms of Land Lease Agreement may be finalised with mutual consent of concerned parties.

4.3. Notification of sub-station wise generation capacity and intent to setup REPP

- i. DISCOM shall assess and notify RE generation capacity that can be injected into 33/11 kV or 66/11 kV or 110/11 kV sub-station in rural areas and place such notification on its website for information of all stakeholders.
- ii. DISCOMs will notify sub-station wise surplus capacity which can be fed from such RE power plants to the Grid
- iii. DISCOMs should prefix the levelized tariff.
- iv. DISCOM shall invite applications from interested beneficiaries for setting up the renewable energy plants.
- v. The renewable power generated will be purchased by DISCOMs at the pre-fixed levelized tariff.
- vi. In case the aggregate capacity offered by Applicants is more than notified capacity for a particular sub-station, bidding route will be followed by DISCOMs to select Renewable Power generator and in such cases the pre-fixed levelized tariff will be the ceiling tariff for bidding.

- vii. For setting up of plant, land will be required. To facilitate farmers willing to lease out their land for development of RE plants near the notified substation(s), DISCOMs may make a list of such farmers and place that list on their website.
- viii. However, the leasing of land of any farmers will be a bi-partite agreement between the farmer and the developer, and the DISCOM will not be held responsible for failure in getting the land leased out to a developer.

4.4. Application procedure & Selection of REPP

- i. DISCOM may invite applications for Expression of Interest (EOI) from prospective RPGs, through their online portal.
- ii. The RPGs shall submit their application for setting up REPP to DISCOM/SIA, as per prescribed format.
- iii. The application should be submitted along with a non-refundable processing fee from the interested RPGs, which in no case shall be higher than Rs. 5000 per MW or part thereof of the capacity applied for.
- iv. In case the total aggregate capacity of eligible applications received for a particular sub-station is less than or equal to the capacity notified for connectivity at the sub-station, Letter of Award (LoA) will be awarded to all eligible applicants for procurement of renewable power at a pre-fixed levelized tariff on first come first serve basis within one month from the receipt of application
- v. In case the total aggregate capacity of eligible application received for a particular sub-station is more than the capacity notified for connectivity at the sub-station, then DISCOM or any agency authorized by the DISCOM shall invite Bids from all these applicants.
- vi. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction. In such cases, the pre-fixed levelised tariff will be the ceiling tariff for bidders.
- vii. In case of bidding, all eligible applicants will have to submit tariff bids within a prescribed time. Selection of bidders will be based on the **lowest tariff** offered in the ascending order as quoted by the bidders in the **closed bid**. LoA will be awarded to all successful bidders.

4.5. Clearances required from the State Government and other local bodies

The RPG is required to obtain necessary clearances as required for setting up the REPP in coordination with DISCOMs. District Collectors should facilitate the clearances required for issues related to land permissions, right of way, etc.

4.6. Power Purchase Agreement (PPA)

- i. A model PPA (Power Purchase Agreement) to be executed between RPG and DISCOMs is as per Annexure II.
- ii. The duration of PPA will be 25 years from Commercial Operation Date (COD) of the project.
- iii. The PPA will have to be executed by RPG within two months from the date of issue of LoA by DISCOM or any agency authorized by the DISCOM.
- iv. The DISCOM will be obliged to buy the entire power from RPG within the contract capacity.

- v. The RPG will be free to operate the plant after expiry of the 25 years of PPA period if other conditions (like land lease, etc.) permits.
- vi. However, any extension of the PPA period beyond 25 years shall be through mutual agreement between the RPG and DISCOM.
- vii. As a payment security measure, DISCOM will have to maintain Escrow Arrangement as defined in the PPA.

4.7. Bank Guarantees (BG)

- i. In case of bidding, the RPG shall provide Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI.
- ii. The EMD of Rs. 1 Lakhs per MW will be converted into Performance Bank Guarantee (PBG) for the successful bidders, who have signed the PPA within stipulated time period.
- iii. In case the selected RPG fails to execute the PPA within the stipulated time period, the Bank Guarantee equivalent to EMD shall be encashed by DISCOM as penalty.
- iv. In case any bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected RPG(s).
- v. The PBGs shall be valid for a period of 15 months from the date of issue of LoA for the REPP.
- vi. The PBG will be returned to the RPG immediately after successful commissioning of REPP, after considering any penalties due to delay in commissioning as per provisions stipulated in the Guidelines.

4.8. Connectivity

- i. The selected RPG will be responsible for laying of dedicated 11 or 33 kV, 66/11 kV or 110/11 kV, line from REPP to sub-station, construction of bay and related switchgear at sub-station where the plant is connected to the grid and metering is done.
- ii. RPG can get the transmission line constructed through DISCOM by paying the applicable cost and other charges. RPG will generally be responsible for maintaining this dedicated transmission line.
- iii. In case more than one bidder are awarded projects to be connected to same Sub-station, they shall be permitted to co-ordinate with each other for setting up common transmission line for feeding to Sub-Station if they so desire and with the approval of DISCOM. The RPG shall comply with grid connectivity and other regulations as applicable.

4.9. Release of Performance Based Incentive (PBI) to DISCOM

- i. DISCOM will be eligible to get Performance Based Incentive (PBI) @ Rs. 0.40 per unit purchased or Rs. 6.6 lakh per MW of capacity installed, whichever is less, for a period of five years from the COD.
- ii. To avail the PBI, DISCOM shall submit following documents after completion of one year from the COD and every year thereafter till five years:
 - (a) Timely payment of monthly lease rent, if applicable, to the land owner of the project.
 - (b) Monthly units purchased from the plant and corresponding payment made to the project developer.

- iii. Applicable PBI would be released to the DISCOM after submission of these documents by DISCOM to MNRE.
- iv. The DISCOMs can, if they desire so, pass on the PBI given to DISCOMs by the Central Government under this component, to the REPP owner to get more competitive tariff of RE Power.

4.10. Timeline and Penalty

- i. The selected RPG shall commission the solar power plant within 15 months from date of issuance of LoA.
- ii. The DISCOM is obliged to purchase power from the commissioned REPP even in case of early commissioning.
- iii. A duly constituted Committee of DISCOM officials will physically inspect the Plant in not more than 03 days from the date of receiving a call from the RPG and certify successful commissioning of the plant.
- iv. In case any RPG fails to achieve this milestone, DISCOM shall encash the Performance Bank Guarantee (PBG) in the following manner:
 - (a) Delay up to six months – The PBG on per day basis and proportionate to the balance capacity not commissioned.
 - (b) In case the commissioning of the solar power plant is delayed over six months, the PPA capacity shall stand reduced / amended to the Project capacity commissioned at the end of six month from scheduled Commissioning Date.
- v. In case of delays of plant commissioning due to the reasons beyond the control of the RPG, DISCOM after having satisfied with documentary evidences produced by the RPG for the purpose, can extend the time for commissioning date without any financial implications to the RPG.

4.11. Quality Control, Monitoring and Maintenance

- i. In order to ensure only quality systems are installed, prevailing MNRE/BIS specifications and quality control orders applicable for solar modules, inverters, Balance of System (BOS) and other equipment shall be followed. These shall be monitored by State Implementing Agency (SIA) periodically.
- ii. The SIA would be responsible for ensuring Quality Control, proper maintenance and monitoring of REPPs.
- iii. SIA may assign technical consultants to assist farmers with the preparation of DPR and financial models who could also provide capacity building and guidance on the best practices of system installation and O&M.

4.12. Roles and responsibilities of stakeholders

4.12.1. Ministry of New and Renewable Energy

- i. MNRE will provide Procurement Based Incentive (PBI) to the DISCOMs @ 40 paise/kWh or Rs.6.60 lakhs/MW/year, whichever is lower, for buying solar/ other renewable power under this scheme.
- ii. The PBI will be given to the DISCOMs for a period of five years from the Commercial Operation Date of the plant. Therefore, the maximum PBI that shall be payable to DISCOMs will be Rs. 33 Lakh per MW for the entire period.

4.12.2. DISCOMs

- i. The DISCOMs/SIAs shall aggregate the demand and send their proposal for sanction under the scheme along with details on their readiness to implement the Component A of the scheme, to MNRE.
- ii. Implementing Agencies will ensure transparency & objectivity in allocating capacity
- iii. The DISCOMs will ensure "must-run" status to the solar/ other renewable power plants installed under this scheme and will keep the feeders 'ON' during sunshine hours of a day.
- iv. DISCOM shall act as facilitator to the beneficiaries in implementation of this scheme.
- v. In case RPG has taken land from a farmer/group of farmers on lease for the project, the amount of monthly lease rent would be paid by the DISCOMs to the lessor directly in his/her bank account before 5th day of the month following the month for which the lease rent is due. In such a case, the lease rent paid by the DISCOM will be deducted from monthly payment due to the RPG.

4.12.3. State Implementing Agency (SIA)

- i. SIA will coordinate with State/UT, DISCOM and farmers for implementation of the scheme.
- ii. SIA will assist the farmers in project development activities including formulation of DPR, PPA/EPC contracts, getting funds from financial institutions, etc.
- iii. SIAs will provide the handholding support required by farmers/developers, like availing financing from banks, etc. It will also coordinate with District Authorities for ease of implementation.
- iv. A State level Committee under the chairmanship of Principal Secretary (Renewable Energy/Energy) will be setup by the participating SIA of that State. The committee will be responsible for settlement of any issues arising during selection of solar/ other renewable energy-based power plants and their implementation.
- v. SIA will be responsible for coordinating/organizing the quarterly meetings of the State Level Committee.
- vi. SIAs shall ensure publicity of the scheme and create awareness through advertisements etc, and monitor the implementation of the scheme.
- vii. The SIA will be eligible to get service charge of Rs. 0.25 Lakh per MW after commissioning of the projects.

4.12.4. Renewable Power Generator (RPG)

- i. RPG will be responsible for signing PPA and installing the plant as per provisions of scheme guidelines
- ii. RPG must adhere to applicable rules and regulations and make necessary compliances towards proper commissioning and operation of the plant during the PPA period.

5. Component B

5.1. Salient Features

- i. This Component is for installation of standalone Solar Pumps/replacement of diesel pumps by solar pumps.
- ii. Under this Component, individual farmers will be supported to install standalone Solar Agriculture pumps or replacement of existing diesel Agriculture pumps / irrigation systems in off-grid areas, where grid supply is not available.
- iii. Priority would be given to small and marginal farmers and farmers using micro irrigation.
- iv. Pumps of capacity higher than 7.5 HP may be allowed, but the CFA will be limited to the CFA applicable for pump of 7.5 HP.
- v. For the individual farmers in the North-Eastern region (NER); Hilly region (Jammu & Kashmir, Ladakh, Uttarakhand and Himachal Pradesh) and Islands (Andaman & Nicobar, Lakshadweep), the CFA will be available for pump capacity up to 15 HP, however the CFA for pumps up to 15 HP will be restricted to 10% of total installations
- vi. Maximum Solar PV capacity in kW is allowed as per the pump capacity in HP, in accordance with the MNRE specifications. For example, 3 HP pump capacity cannot have solar capacity of more than 3 kW.
- vii. DISCOMs/ Agricultural Department/ Minor Irrigation Department/ any other Department designated by State Government will be the implementing agencies for this component.
- viii. Agricultural Department may be prioritized as State Implementing Agency (SIA) by the State Governments given their extensive network of Agri and allied services along with embedded human resource availability.
- ix. Implementing agency will get service charges as applicable under Scheme Guidelines

5.2. Pre-Commissioning Activities

5.2.1. Demand Aggregation and Allocation of Solar Pumps

- i. The SIA will submit proposals to MNRE for approval.
- ii. The SIA after submitting proposal to MNRE may choose to start the preparatory activities including tendering process. However, the Letter of Award/Purchase Order shall be issued after the issuance of sanction letter by MNRE.
- iii. Based on the demand received from SIAs, MNRE will allocate quantity of pumps to the implementation agencies in the States after approval by a Screening Committee under the chairmanship of Secretary, MNRE.
- iv. MNRE will have the discretion to modify/cancel the allocated capacity based on the pace of progress in any particular state, or as per requirements of the scheme

5.2.2. Implementation

Component B can be implemented in two modes – with State share and without State share. The Central Government will provide financial assistance of 30% (or 50% for North Eastern Region/Hilly region/Islands) of the Benchmark Cost or the Tender Cost, whichever is lower, of the stand-alone solar Agriculture pump. The State Government will provide a subsidy of atleast 30%; and the remaining up to 40% is to be provided by bank loan/farmer.

In case the State Government is not in a position to give its share of subsidy of 30% but farmers are willing to set up solar water pumping system with the Central Financial Assistance only, the farmers are permitted to do so. Central share will continue to remain 30% (or 50% for NER/Hilly region/Islands), with the remaining 70% in General category states and 50% in Hilly region/NER/Islands being borne by the farmer. The Ministry will develop a National Portal to enable beneficiaries to apply for solar pump with central subsidy only.

5.2.3. Bidding Procedure

The States will call for tender for installation of solar water pumping system through the SIAs or any other agency nominated by the State Government. These agencies will carry out tendering process as per the guidelines, standards, & specifications laid down by MNRE. Any deviation shall normally be not permissible except in specific cases with the approval of Screening Committee in MNRE. The MNRE will list out the pumps/motors/panels and other equipments of high quality and specify that only those pumps/motor/panels which are in the approved list, can be used. The following categories, subject to meeting the technical and financial requirement of the tender, are allowed to participate in the tendering:

- (a) System Integrators/ Aggregators/ Any other entities fulfilling technical and financial criteria.
- (b) Any manufacturer of solar PV modules or manufacturer of solar pumps or manufacturer of solar pump controllers.
- (c) Joint venture of any of manufacturers mentioned at (b) above with system integrators/aggregators.

If the vendor fails to install the allocated pumps within the stipulated period, the said vendor shall be debarred for five years' period from the date of such decision of debarment. Extension may be granted for valid reasons. In all cases, the successful bidder shall provide AMC for five years from the date of installation, real time monitoring, helpline, district level service centers and comply with standards of performance in dealing with complaints/redressal mechanism. It will be mandatory to use indigenously manufactured solar modules with indigenous solar cells. Further, the motor-pump-set, controller and balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used in the manufacturing of solar water pumping system.

5.2.4. Provision of USPC

Since pumps are generally used for 150 days in a year, the installed solar capacity can be optimally utilized by using Universal Solar Pump Controller (USPC), through which farmers can use solar power for other activities like operating chaff cutter, floor mill, cold storage, drier, etc., and increase his income. Option would be given to the farmer to opt for USPC and separate bid price for solar water pumping system with USPC will be invited and subsidy will be made available for these pumps according to benchmark price of solar pumps without USPC, even if the price discovered for solar pumps without USPC are less

than benchmark price. States/UTs may bear this additional cost to facilitate use of solar energy for other activities and increasing the income of farmers.

5.2.5. Water Saving Techniques

New Solar Agriculture pumps would not be covered under this component in Dark zones/black zones. However, existing standalone diesel pumps, can be converted into standalone solar pumps in these areas provided they use micro irrigation techniques to save water. In order to minimize the water usage for irrigation purpose, preference will be given to the farmers using Micro irrigation systems or covered under Micro irrigation schemes or who opt for micro irrigation system. The size of pump would be selected on the basis of water table in the area, land covered and quantity of water required for irrigation. For solar pumps to be set up and used by Water User Associations (WUA)/Farmer Producer Organizations (FPO)/Primary Agriculture Credit Societies (PACS) or for cluster-based irrigation system, the CFA will be allowed for solar pump capacity of higher than 7.5 HP considering up to 7.5 HP capacity for each individual in the group (for example when a group of 5 farmers in above mentioned category installs a pump of 40 HP capacity than the CFA up to 37.5 HP will be given to the group).

5.3. Post Commissioning Activities

5.3.1. Central Financial Assistance

MNRE will release the CFA towards the installation of solar pumps under the scheme as per the Benchmark cost or tender cost, whichever is lower. MNRE will be issuing the benchmark cost for various capacities and models being implemented under the scheme, from time to time.

5.3.1.1. Eligible CFA with State share

- i. CFA of 30% of the benchmark cost or tender cost, whichever is lower, of a particular category/type of the stand-alone solar Agriculture pump will be provided. The State Government will give a subsidy of at-least 30%; and the remaining 40% will be provided by the farmer.
- ii. However, in North Eastern States, Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, CFA of 50% of the benchmark or tender cost whichever is lower, of a particular category/type of the stand-alone solar Agriculture pump will be provided. The State Government will give a subsidy of at-least 30%; and the remaining at most 20% will be provided by the farmer.

5.3.1.2. Eligible CFA without State share

- i. CFA of 30% of the benchmark cost or tender cost whichever is lower, of a particular category/type of the stand-alone solar Agriculture pump will be provided. The remaining 70% will be provided by the farmer either directly or through loan.
- ii. In North Eastern States, Sikkim, Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, CFA of 50% of the benchmark cost or tender cost

whichever is lower, of a particular category/type of the stand-alone solar Agriculture pump will be provided. The remaining 50% will be provided by the farmer.

- iii. MNRE will also develop an online portal where farmer can directly register themselves and avail transfer of subsidy in their account after successful completion of installation. Subsidy in this case will be restricted to 30% of Benchmark Cost or Tender Cost, relevant to the State, whichever is lower.

5.3.2. Access to Financing

- i. Bank finance may be made available for farmer's contribution, so that farmer has to initially pay only 10% of the cost and the remaining amount (other than subsidy) can come from loan.
- ii. SIAs will make special efforts to organize events like *Bank Mela* at block and district levels and sensitize the banks to the need of farmers for accessibility of finance under the scheme.

5.3.3. Installation timeline and Penalties

Projects for installation of Solar Agriculture pumps systems shall be completed within 24 months from the date of sanction by MNRE. Extension in project completion timelines, up to a maximum period of three months, will be considered at the level of Group Head in MNRE and up to 6 months or beyond at the level of Screening Committee in MNRE on submission of valid reasons by the implementing agency.

5.3.4. Release of funds by MNRE

- i. Funds up to **30%** of the applicable CFA for the sanctioned quantity would be released **as advance** to the implementing agency after placement of letter of award(s) to the selected vendors.
- ii. **Second instalment up to 60%** of the applicable CFA would be released on submission of the provisional UCs of the first release and the details of partial installation of pumps.
- iii. The **last instalment** of balance eligible CFA **up to 10%** along with applicable service charges would be released on acceptance of the Project Completion Report in the prescribed format, Utilization Certificates as per GFR and other related documents by the Ministry.
- iv. The implementing agencies may pass on these funds to the selected vendors in different stages on achievement of various milestones as per terms and conditions of letter of award(s).
- v. 2% of the eligible CFA will be provided as service charges in totality to all the agencies involved in implementation including the designated SIA. Part of service charges (to be decided by MNRE) shall be given to the central agency for centralised tendering.
- vi. MNRE may release 50% of eligible service charges for the sanctioned quantity to State Implementation Agencies after placement of LoA for preparatory activities. Additionally, MNRE will retain 33% of eligible service charges for nation-wide Information, Education and Communication (IEC) activities.
- vii. The CFA in case of online portal, as per Para 5.2.2 (iv), will be released after installation of pump.

5.4. Monitoring and maintenance

- i. Selected vendors shall be responsible for design, supply, installation and commissioning of solar agriculture pumps. Vendors will mandatorily provide AMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft.
- ii. AMC will include inspection by Vendor at least once in a quarter and submission of quarterly inspection report of the installed pumps as per prescribed format. To ensure timely maintenance of the systems the vendor shall have one authorized service centre in each operational district or cluster of districts as decided by the SNA depending upon number of installed pumps and a helpline in local language should be made available. The helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.
- iii. All solar agriculture pumps sanctioned under the Programme shall be provided with remote monitoring system by the vendor. It will be mandatory to submit performance data of solar power plant online to MNRE in the manner and format prescribed by MNRE.
- iv. Monitoring of the Scheme and its implementation will be carried out during the period of implementation of the Scheme as given below:
 - a) The implementing agency would be responsible for monitoring include timely installation and functioning of the pumps. The progress report of its installation will be submitted to the MNRE by the SIAs every month.
 - b) Funds may be released by implementing agency to the vendor on submission of bank guarantee as specified in the tender by that vendor for a period of five years. Alternatively, BG may be provided initially for a period of one year which may be extended on year to year basis thereafter.
 - c) The Ministry officials/ designated agency may inspect the ongoing installation or installed plants.
- v. In case the installed systems are not as per standard, non-functional on account of poor quality of installation, or non-compliance of AMC, the Ministry/State Government reserves the right to debar the bidder/vendor and any of its successors up to a period of five years from the date of such decision of debarment.

5.5. Responsibilities of Implementation Agency

The Implementing Agencies will be responsible for the following activities:

- (i) Carry out wide publicity of the scheme to increase awareness, identify potential beneficiaries, and coordinate with banks for easy access of finances.
- (ii) Ascertain the demand for solar pumps in the state, prepare beneficiary list and submit to MNRE for allocation of demand.
- (iii) Carry-out the state bids/tenders for installation and maintenance of solar pumps sanctioned by MNRE under Component-‘B’.
- (iv) Ensure project completion within the given timelines and compliance of MNRE guidelines, and standards.

- (v) Oversee installation of solar pumps, ensure timely O&M, and report periodical progress to MNRE (this will include but is not limited to online submission of monthly and quarterly progress reports).
- (vi) Inspection of installed systems and online submission of completion reports to MNRE.
- (vii) Submission of utilization certifications and audited statement of expenditure through EAT/PFMS module and disbursement of MNRE CFA.
- (viii) Maintenance of updated records and make them available for inspection at the call of MNRE.
- (ix) Maintain real time monitoring data of the installed systems through dedicated web-portal.
- (x) Ensure the effective working of the Remote Monitoring System of the installed pumps, and conduct periodical inspection of the same.
- (xi) Submission of accurate, verified, and complete records in all aspects to MNRE for ensuring the timely payment of CFA.
- (xii) Performance monitoring of installed system through third party.
- (xiii) Ensure compliance of AMC by the vendors.

6. Component C

6.1. Salient Features

- i. This Component aims at solarization of grid connected agriculture pumps including Feeder Level Solarization
- ii. The objective of this component is to provide reliable day-time solar power to farmers, enhancing their income by purchasing surplus solar power and thus incentivizing them for saving water
- iii. Under Individual Pump Solarization (IPS), solar PV capacity up to two times of pump capacity in kW is allowed, so that the farmer will be able to use the generated solar power to meet the irrigation needs and get additional income by selling surplus solar power to DISCOMs.
- iv. Under Feeder Level Solarization (FLS), States are supported for solarization of agricultural feeder or mixed feeders.
- v. DISCOMs /GENCO/ any other Department designated by State Government will be the implementing agencies
- vi. State Implementing agencies will submit proposals to MNRE for approval.
- vii. In case of dark zones/black zones only existing grid connected pumps will be solarized.
- viii. Implementing agency will get service charges as applicable under Scheme Guidelines.

6.2. Demand Aggregation and allocation of quantities

- i. State Implementing agencies will submit proposals to MNRE for approval.
- ii. Based on demand received from SIAs, MNRE will allocate quantity of pumps to the implementation agencies in the States after approval by a Screening Committee under the chairmanship of Secretary, MNRE.
- iii. The SIA after submitting proposal to MNRE may choose to start the preparatory activities including tendering process. However, the Letter of Award/Purchase Order shall be issued after the issuance of sanction letter by MNRE.
- iv. MNRE will have the discretion to modify/cancel the allocated capacity based on the pace of progress in any particular state, or as per requirements of the scheme

6.3. Individual Pump Solarization (IPS)

6.3.1. Options for solarisation under Component C (IPS)

Followings are the two options through which grid connected pumps can be solarized; State may choose any other option, as well.

- i. **Pump to run on both Solar and Grid:** In this case the agriculture pump will continue to run at rated capacity taking power from solar panels and balance power from grid, if required, and in case solar power generation is higher than required by pump, the additional solar power would be fed to the grid. Net metering may be provided in this case.
 - a) Farmer would be able to import and export power to the grid at the rate specified by the SERC.

- b) DISCOM may introduce different drawal and injection tariff rates so that farmers are discouraged to draw power from the grid during the peak hours. Further, Time of Day (ToD) tariff is also an alternative to efficiently manage demand and supply on the solarised feeders.
- ii. **Pump to run on solar power only:** In this case the pump will only run on the solar power as in case of stand-alone solar pump and no power will be drawn from the grid for operation of pump.
 - a) The motor pump set will have to be replaced with AC/DC solar water pumping system as per MNRE specification for standalone solar pump and when the pump is not running the solar power can be fed into the grid through suitable grid-tied inverter.
 - b) The total solar PV capacity including capacity additionally allowed under the Scheme can be bifurcated into two portions, one portion of SPV capacity as per MNRE specifications required for the solar pumps of given HP, which will either run the pump or feed power to the grid when the pump is not running; and other portion of SPV capacity out of the total allowed by the State will continuously feed power to the grid during sunshine hours.

6.3.2. Selection of Feeders and load survey

- i. Feeder-wise implementation is to be carried out under this component for solarisation of grid-connected agricultural pumps.
- ii. Feeders may be selected on the basis of load, technical and commercial losses, number of consumers, etc. Efforts should be made to solarise all agriculture pumps in a feeder, however, SIAs may impose a minimum solarisation requirement for a feeder in terms of minimum % of pumps solarized on that feeder.
- iii. GPS Survey should be carried out on eligible feeders to correct feeder coding and ensure accurate feeder loads and distribution loss calculations.
- iv. Farmers may be given option to declare his actual connected load or alternatively the SIAs may carry out survey to get details on actually connected load so that solar PV panels of required capacity is provided to the participating farmers.
- v. SIAs may also assess the actual requirement of pump capacity based on water requirement and water table

6.3.3. System Specifications

- i. MNRE will provide updated specifications (as amended from time to time) for solar water pumping system, solar modules, MMS and other balance of system.
- ii. The vendors shall provide only such pumps/panels and other equipments which are BIS certified. MNRE may also draw a list of high quality solar pumps/panels and in such a case, vendors will supply only such models which are in the approved list.

- iii. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. Further, inverter/controllers and balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used manufacturing of equipment used in the solarisation system.

6.3.4. Bidding Procedure

- i. There will be State tendering for solar water pumping system through the SIAs or any other agency nominated by the State Government. These agencies will carry out tendering process as per the guidelines, standards, & specifications issued by MNRE from time to time. Any deviation shall normally be not permissible except in specific cases with the approval of Screening Committee, MNRE.
- ii. The vendors shall use only BIS certified equipment and systems. MNRE may also draw a list of certified models and manufacturers and in that case the equipment will be from that list.
- iii. The following categories subject to meeting the technical and financial requirement of the tender are allowed to participate in the tendering:
 - (a) System Integrators/ Aggregators/ Any other entities fulfilling technical and financial criteria
 - (b) Any manufacturer of solar PV modules or manufacturer of solar pumps or manufacturer of solar pump controllers using indigenous technology.
 - (c) Joint venture of any of manufacturers mentioned at (b) above with system integrators/aggregators.
- iv. Selected vendors shall be responsible for design, supply, installation and commissioning of solar agriculture pumps.
- v. If the vendor upon empanelment fails to install the allocated pumps within the stipulated period, the said vendor shall be debarred for five years' period from the date of such decision of debarment.
- vi. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. Further, the motor-pump-set, controller and balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used in the manufacturing of solar water pumping system.
- vii. Thorough maintenance of selected agriculture feeders is required to maintain feeder availability during sunshine hours. This includes maintenance of 33/11 kV sub-station, 33 kV, 11 kV and LT lines and distribution transformers, etc., on regular basis in a time bound manner. Proper protection system including improved earthing of equipment shall be provided considering possibility of high voltage/current due to multiple generating sources in the feeder selected for solarisation.

6.3.5. Eligible CFA under Component C (IPS)

- i. The CFA will be limited to Solar PV capacity up to two times of pump capacity in kW for pumps up to 7.5 HP. Solarisation of Pumps of capacity higher than 7.5 HP is also allowed, however, the CFA in such cases would be limited to the CFA applicable for pump of 7.5 HP in the respective State/UTs.

- ii. The solar pumps installed by the individual farmers in the North-Eastern States; UTs of Jammu & Kashmir and Ladakh; and the state of Uttarakhand and Himachal Pradesh the CFA will be available for pump capacity up to 15 HP, however the CFA for pumps up to 15 HP will be restricted to 10% of total installations
- iii. CFA up to 30% (upto 50% of NER/Hilly/Islands) of the cost of solarisation will be provided for solar PV component including solar modules, module mounting structure, controller/inverter, balance of system, installation & commissioning, five Year CMC, insurance, etc., on basis of benchmark cost or cost discovered through tender whichever is less. The States are free to provide additional CFA to reduce the beneficiary farmer contribution.
- iv. There is no CFA for replacement of existing less efficient grid connected agricultural pump with energy efficient agricultural pump, however, the states are free to provide additional financial support for replacement of existing pumps with energy efficient pumps.
- v. It is also permitted to implement Component C(IPS) without state subsidy. If any State Government does not provide for subsidy by the State, the farmer may choose and implement the solarization with only Central Government subsidy and his contribution and loan from the banks. The banks may provide loans of up to 70% of the cost. From such sale of excess power from the Solar PV project, the additional income should be paid to the bank towards repayment of loan in addition to the regular installment by the farmer.
- vi. All the modalities and conditions for the release of CFA under Component C (IPS) will remain same as Component B, as provided in Para 5.5.

6.3.6. Monitoring and maintenance

- i. Vendors will mandatorily provide AMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft.
- ii. AMC will include inspection by Vendor at least once in a quarter and submission of quarterly inspection report of the installed pumps as per prescribed format. To ensure timely maintenance of the systems the vendor shall have one authorized service centre in each operational district or cluster of districts as decided by the SNA depending upon number of installed pumps and a helpline in local language should be made available. The helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.
- iii. All solar Agriculture pumps sanctioned under the Programme shall be provided with remote monitoring system by the vendor. It will be mandatory to submit performance data of solar power plant online to MNRE in the manner and format prescribed by MNRE. The remote monitoring system may consist of smart meters, communication hardware/ IoT devices, software interface, web and mobile application and internet connection.
- iv. Monitoring of the Scheme and its implementation will be carried out during the period of implementation of the Scheme as is given below:

- a) The implementing agency would be responsible for monitoring the installation of the solar pumps and their functioning.
 - b) Implementing agencies will submit monthly progress report for the sanctioned projects.
 - c) Funds may be released by implementing agency to the vendor on submission of bank guarantee as specified in the tender by that vendor for a period of five years. Alternatively, BG may be provided initially for a period of one year which may be extended on year to year basis thereafter.
 - d) The Ministry officials or designated agency may inspect the ongoing installation or installed plants.
- v. In case the installed systems are not as per standard, non-functional on account of poor quality of installation, or non-compliance of AMC, the Ministry and the State Government reserves the right to debar the bidder/vendor and any of its successors up to a period of five years from the date of such decision of debarment.
 - vi. Possibilities would be explored by States for convergence of present scheme with schemes on promotion of micro irrigation system and replacement of agriculture pumps with energy efficient pumps and they may work out the modalities.

6.4. Implementation of Feeder Level Solarization

For the implementation of Feeder Level Solarization (FLS), the DISCOMs need to evaluate the agricultural load, segregate the feeder and solarize it. The States may also choose to offer virtual segregation using feeder level (Internet of Things) IoT. However, segregation would not be precondition for the solarization of mixed feeders. This component will be applicable to farmers already connected to grid. The feeder will be solarised, however, States may impose a minimum requirement of pumps on a feeder. The detailed framework for feeder level solarization will be as follows:

6.4.1. Execution Methodology

- i. The SNA /DISCOM/ SIA, will be the implementing agency for feeder level solarisation in their respective areas.
- ii. State Government may choose to appoint any other expert agency to help these implementing agencies for tendering and other related activities of installation of solar power plant for feeder level solarisation.
- iii. Where agriculture feeders have already been separated, those feeders may be solarised under the scheme.
- iv. Where the agriculture feeders are not separated, feeders having major load for agriculture may also be considered for solarisation under the Scheme. The requirement of total annual power for an agriculture feeder will be assessed and a solar power plant of capacity that can cater to the requirement of annual power for that feeder can be installed through CAPEX/RESCO mode, which will supply solar power to that feeder.
- v. Feeder level solar power plant may be installed to cater to the requirement of power for a single feeder or for multiple agriculture feeders emanating from a distribution sub-station (DSS) to feed power at 11 kV or at the higher voltage level side of the DSS. There

is no cap of the capacity of solar power plant for feeder level solarisation. The DISCOMs may identify land near DSS, get ownership of land or its lease rights, provide connectivity at DSS and lay sub-transmission line between DSS and solar power plant.

- vi. There could be situations where for distribution substation, the solar power plant can be installed either under Component A or under FLS of Component C. In such situations, DISCOMS while bidding for installation of solar power plants under FLS of Component C, the qualification requirement may be kept at par with the guidelines of Component A. This will allow all the eligible participants under Component A to also participate under Component C (FLS).

6.4.2. Simplified step by step procedure

- i. **Identifying the substation:** State Nodal Agencies/Implementing Agencies/DISCOM will identify substations having downstream agriculture load along with the number of pumps connected to that substation. The annual power requirement for the agriculture feeders and the capacity of solar power plant that can cater to the power requirement for that agriculture feeder may be assessed. Preference may be given to the substations with 11/33 kV bus bars. The identification will include an assessment of the agriculture load served downstream.
- ii. **Land for setting up the solar plant:** If there is no Government land near the substation to set up solar plant, the land may be taken on lease from the farmers. Land lease rates would be announced by the state government. Currently, some State offer lease rates which range from Rs 25,000 to Rs 50,000 per acre per year or 6% of ready reckoner rate, whichever is higher, with a yearly 3% increment of the base rate, and Rs 1/hectare/year for public land for a period of 30 years. The States may decide similar competitive provisions. The State Government will publicise these rates along with the list of substations and request farmers to offer their land on lease in the vicinity of the substations at the offered lease rent.
- iii. **Development of Online portal:** A dedicated online portal can be developed by the States/SIA/DISCOM which will serve as centralized portal for land aggregation. The state should have the details of identified substations. The portal may be developed by State/SIA/DISCOM. The States/SIA/DISCOMs will advertise their intention to take land on lease from the farmers in the vicinity of the identified substation along with a declaration of land lease rates. The farmers who wish to offer their land near the substation on lease may apply directly on the portal. They may also apply to the Tehsildar/District Magistrates. It would be the responsibility of the District Collector/District Magistrates to ensure that the offline applications received at their end from the farmers to lease their land for the installation of solar power plants, are shared with DISCOM/SIAs. The DISCOM/SIA would update the same on online portal on regular basis.

iv. **Modalities for leasing**

- a) Public Land: The State may facilitate by providing unutilized land on lease at a pre-decided annual rent. The State may also include their unutilized water bodies for the development of the projects.
- b) Private Land: All the private land owners who are interested in providing their land for projects may be encouraged to offer their land through the above-mentioned portal. The revenue authority should also verify the authenticity of the land through the respective District Collectors/Magistrates. In order to protect the interest of land owner, the State may decide the amount of lease rent for the land along with annual escalation provisions.

Considering the land required for 1 MW is around 4-5 acres, contiguous land of a minimum of 5 acres and nearer to the substation would be given the preference.

- v. **Provision of SPV**: The DISCOMs may form an SPV which can implement the project along with arrangements for leasing the land etc.
- vi. **Lessee and Lessor Agreement**: The Nodal Agency/DISCOM/SPV may also become the single entity to sign land lease agreements with all landowners. In such cases, the individual land owner need not interact with SPD and face uncertainty in timely lease payment. The nodal agency should sign an agreement with individual land owner and a tripartite agreement between DISCOM, Nodal Agency and Solar Power Developers may be worked out where payments are transferred to nodal agency for the purpose of lease rent. Nodal agency will inform the District Collector/District Magistrate from time to time, about the requirement of land and get in touch with the farmers to lease their land for the purpose.
- vii. **Selection of Solar Power Developers (SPD)**: Since the scale of an individual solar project with substation is relatively small, therefore in order to get the benefit of economy of scale, multiple substations may be grouped as one bidding group. The SPD may be permitted to quote the tariff common for all projects under one group and SPD may sign a single PPA with DISCOM.
- viii. For the project under this mechanism, the States are free to choose Renewable Energy Implementing Agencies of Government of India to act as an intermediary procurer.

6.4.3. **Estimation of Plant Capacity and eligible CFA under FLS**

- i. For the purpose of calculating Solar Plant Capacity and eligible CFA, the following approach would be taken:
 - 1) The existing load of the feeder will be assessed and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar

power to that feeder. For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with an annual CUF of 19%.

- 2) Average of consumption of last three years shall be considered for calculating the solar plant capacity as per calculations in Para 1) above
- 3) Mixed feeders can also be solarized, however, MNRE CFA will be available based on capacity required for agriculture consumption.
- 4) Solarisation of pumps of any capacity is allowed, however, in case of pumps of capacity above 7.5 HP, the CFA will be limited to solar capacity for 7.5 HP pumps.
- 5) The solar pumps installed for feeder solarization in the North-Eastern States; UTs of Jammu & Kashmir and Ladakh; and the state of Uttarakhand and Himachal Pradesh the CFA will be available for pump capacity up to 15 HP, however the CFA for pumps up to 15 HP will be restricted to 10% of total installations
- 6) For calculating consumption for pumps of capacity higher than 7.5 HP or 15 HP, as the case may be, average consumption of 7.5 HP/15 HP pumps on the same feeder may be considered. This average consumption may be used in estimating consumption for all pumps of capacity higher than 7.5 HP/15 HP.
- 7) The state may choose to install feeder level solar power plant of capacity higher than capacity required for supplying power to agriculture feeder. However, in this case CFA will be limited for solar capacity required for supplying power to the agriculture feeder.
- 8) Since the projects are to be commissioned near the point of consumption, distribution losses would be reduced, therefore, losses shall not be considered in plant capacity estimation.
- 9) CUF shall be taken as per the solar insolation on site, however, annual CUF of minimum 19% shall be considered for calculation of plant capacity eligible for CFA. No restrictions to be made on installing DC capacity higher than total contracted AC capacity of the plant to help achieve higher CUF.
- 10) In case of unmetered connections, following methods may be followed for calculation of consumption:
 - a. Indexation approved by the State Electricity Regulatory Commission may be followed.
 - b. If both metered and unmetered connections are there on the same feeder, capacity-wise average of consumption of the metered connections may be extended to the unmetered connections. This shall be cross-checked with the feeder level meter.
 - c. Consumption on feeder level meters may be used for estimation of plant capacity. However, if pumps of capacity higher than 7.5 HP/15 HP are there on such feeder, capacity may be calculated based on consumption reduced in proportion of the load if capacity is capped at 7.5 HP/15 HP and actual load on the feeder.
- ii. The cost of installation of solar power plant for the purpose of CFA, will be notified by MNRE from time to time. The eligible CFA would be 30% of the cost of installation of the solar power plant of capacity needed to meet the average consumption of the pumps connected on the feeder(s), as per calculations in Para (i) above.

6.4.4. Implementation under CAPEX mode and eligible CFA

- i. FLS can be implemented in CAPEX mode. The process of tendering and signing of work agreement with EPC contractor should normally be completed by SIA within six months from the date of issuance of sanction by MNRE.
- ii. For installation of feeder level solar power plant CFA of 30% (50% in case of NE States, hilly states/UTs and Island UTs) will be provided by central Government and balance will be met through loan from NABARD/PFC/REC.
- iii. Concessional financing will be available for solarisation of agriculture pumps as RBI has already included this component under priority sector lending and MoAFW has included community level solarisation under Agriculture Infrastructure Fund.
- iv. The current outlay on subsidy being presently provided for supply of electricity to agriculture pumps by State Government can be used to repay the loan in five to six years after which power will be available free of cost and outflow from State Government's exchequer on account of electricity subsidy for agriculture will come to an end.
- v. On an average power for agriculture will be required only for 150 days in a year, the electricity produced from the solar power plant in the remaining days will possibly provide an additional income to the DISCOM. If this is also used to pay off the loans taken from NABARD/PFC/REC, the loan can be repaid sooner.
- vi. The DISCOM may carry-out operation and maintenance of the solar power plant. Alternatively, the EPC contractor who install the solar power plant may also be given task for O&M of plant and supply guaranteed solar power for 25 years.
- vii. Payment for O&M of solar plant can be linked with energy production. An undertaking to this effect will be submitted by DISCOM to MNRE.

6.4.5. Implementation under RESCO mode and eligible CFA

- i. For selection of RESCO developer and PPA, the Guidelines and Model PPA issued by MNRE for implementation of Component-A of PM-KUSUM Scheme may be used, with suitable modifications.
- ii. The maximum timeline allowed for commissioning of solar power plant by RESCO Developer will be 12 months from date of issuance of LoA. However, the implementing agency may increase this time on case to case basis, up to the sanctioned timeline given by MNRE.
- iii. The process of selection of RESCO Developer and signing of PPA should normally be completed by implementing agency within six months from the date of issuance of sanction by MNRE.
- iv. A suitable clause on PPA shall be included to ensure that RESCO developer does not sell solar power to any other buyer except the concerned DISCOM during tenure of PPA, including penal provision calling for refund of proportionate CFA granted to the project by MNRE on violation of this condition.
- v. For installation of feeder level solar power plants through RESCO model, the developers will be selected on the basis of lowest tariff offered for supply of required solar power for a period of 25 years after taking into account the subsidy being given by Govt. of India.

- vi. In case of any liquidation of assets of the solar power plant prior to completion of PPA period, the first charge shall be towards recovery of proportionate CFA granted to the project by MNRE.
- vii. The developer will get CFA @ 30% of the estimated cost of installation of solar power plant.
- viii. The solar power supplied by RESCO developer would much cheaper than present cost of power delivered at distribution sub-station and therefore, DISCOM will save the amount equal to difference between the two.
- ix. In the RESCO model the burden of electricity subsidy for agriculture will be reduced to the extent of difference mentioned above and not become zero as in case of CAPEX model, where once the loan is repaid, subsidy support from state Government is no longer required.
- x. States may choose to provide upfront subsidy in lieu of electricity subsidy being given to agriculture consumers. This upfront subsidy from state could be in the form of VGF to RESCO developer, in addition to CFA, to supply power to farmers of an agriculture feeder at present subsidised rates or any other rate fixed by state Government.

6.4.6. System specifications and Quality Control

- i. All components used for installation of solar power plants shall confirm to applicable BIS/MNRE specifications and follow quality control guidelines issued by MNRE. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells.
- ii. Further, the balance of system should also be manufactured indigenously. The vendor must declare the list of imported components used in the solarisation system.
- iii. MNRE will draw up a list of approved models and manufacturers after carrying the quality checks. When such a list is prepared only that equipment shall be allowed which is within the approved list.
- iv. To ensure the quality, inspection shall be carried out of the solar modules, inverter/controller, MMS, etc., during the installation of system and final commissioning of the system. Officers involved in inspection should be domain experts, properly trained and equipped with necessary tools for inspection. The SIA may engage a third-party inspection agency for this purpose.
- v. Thorough maintenance of selected agriculture feeders is required to maintain feeder availability during sunshine hours. This includes maintenance of DSS, sub-transmission/LT lines and distribution transformers, etc., on regular basis in a time bound manner.

6.4.7. Monitoring and maintenance

- i. Selected vendors shall be responsible for all aspects of solarisation viz., design, supply, installation, and commissioning.
- ii. Vendors will mandatorily provide AMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft.

- iii. AMC will include submission of quarterly inspection report of the installation as per prescribed format. To ensure timely maintenance of the systems the vendor shall have one authorized service center in each operational district and a helpline in local language in each operational State.
- iv. State may choose to install watchdog transformer and devices to regulate power supply and monitor non-participating connections on the feeder concerned.
- v. MNRE has developed a central monitoring portal which will extract data from the State portals for monitoring of the scheme and analyze data generated, which is in turn be used in scheme refinement and taking measures to attract more farmers to the scheme and induce required behavioral changes.
- vi. It will be mandatory for DISCOMs to monitor solar power generation and performance of the solar power plant through online system. The online data will be integrated with central monitoring portal which will extract data from the State portals for monitoring of the scheme.
- vii. SIA may specify a minimum guaranteed generation during a year from the solar system installed for a specified period and provision of compensation in case of not achieving the same.
- viii. Monitoring of the Scheme and its implementation will be carried out during the period of implementation of the Scheme as given below:
 - a) The implementing agency would be responsible for monitoring parameters such as end-use verification and compilation of statistical information.
 - b) Implementing agencies will submit monthly progress report for the sanctioned projects.
 - c) Funds may be released by implementing agency to the vendor on submission of bank guarantee as specified in the tender by that vendor for a period of five years. Alternatively, BG may be provided initially for a period of one year which may be extended on year to year basis thereafter, up to 5 years.
- ix. The Ministry officials or designated agency may inspect the ongoing installation or installed plants. In case the installed systems are not as per standard, non-functional on account of poor quality of installation, or non-compliance of AMC, the Ministry reserves the right to debar the bidder/vendor and any of its successors up to a period of five years from the date of such decision of debarment.
- x. In case the system is installed by the RESCO operator does not work for 25 years, the entire plant will be seized and auctioned by the DISCOM/SIA to recover the CFA.

6.4.8. Release of funds for Component C (FLS)

- i. The CFA up to 30% (upto 50% of NER/Hilly/Islands) of the cost of solarisation will be provided for the projects installed under Component C (FLS).
- ii. In case of installation under CAPEX mode, the SIAs are eligible for advance upto 40% of eligible CFA after completion of tendering process and signing of work agreement with EPC contractor selected for installation of solar power plant. The balance up to 60% eligible CFA would be released at the end of commissioning of plant where plant starts supplying power to agriculture feeder(s) and on submission of PCR and other related documents, as prescribed by MNRE.

- iii. Under the RESCO mode, CFA upto 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful operation and performance of the solar plant for two months after the commissioning, with at least one month CUF as per minimum CUF agreed in PPA. The SIA need to submit PCR and other related documents, as prescribed by MNRE.
- iv. 2% of the eligible CFA will be provided as service charges in totality to all the agencies involved in implementation including the designated SIA. Part of service charges (to be decided by MNRE) shall be given to the central agency for centralised tendering.
- v. The MNRE will retain 33% of eligible service charges for national wide IEC activities. MNRE may release 50% of eligible service charges for the sanctioned quantities to SIAs after implementation of LOAs for preparatory activities.

6.5. Installation timeline and Penalties under Component C (IPS & FLS)

- i. Projects for installation of solar agriculture pumps and feeder level solarization under Component C shall be completed within 24 months from the date of sanction by MNRE.
- ii. Extension in project completion timelines on valid grounds, up to a maximum period of six months, will be considered at the level of Joint Secretary in MNRE. Extension beyond six months can be given by Secretary, MNRE for valid reasons.

6.6. Water saving and enhancing farmers' income

- i. Component C will enable farmers to access daytime reliable solar power for irrigation. Therefore, farmers can be incentivized for saving water and enhancing their income.
- ii. The DISCOMs shall assess the average power requirement by farmers of an area depending upon various factors. This power requirement will be treated as their benchmark consumption. The DISCOMs shall incentivize farmers for consuming power less than benchmark consumption.
- iii. Such saving of power shall be treated as surplus power injected by farmers and they will be paid by DISCOMs against this saved power at pre-determined tariff. The DISCOM will inform the farmers about the benchmark consumption and amount incentive per unit which they can avail of, in case of lower consumption. This will be an important measure for conserving groundwater level.
- iv. Some of the states have indicated that for a feeder being solarised not all farmers may be willing to install meters necessary for availing the said incentives under the scheme. Therefore, it will be the farmers choice to opt or not for this facility.
- v. In order to minimize the water usage for irrigation purpose, preference will be given to the farmers using Micro irrigation systems or covered under Micro irrigation schemes or who opt for Micro irrigation systems.

6.7. Responsibilities of Implementation Agency

The Implementing Agencies will be responsible for the following activities:

- i. Carry out publicity of the scheme, in consultation with MNRE to increase awareness amongst potential beneficiaries.
- ii. Coordinate with Banks/FIs to provide the loan facilities for the required farmer share.
- iii. Prepare proposals and submit to MNRE for sanction
- iv. Conduct tendering process as per MNRE guidelines
- v. Issue additional instructions/ conditions such as minimum solarisation level of feeder for IPS.
- vi. Issue connectivity standards/regulations, if required, and facilitate connection to the grid for FLS.
- vii. Selection of feeder for solarisation and demand aggregation for solarisation of pumps under FLS.
- viii. Encourage Feeder wise committee of farmers to coordinate amongst the participating members and other agencies involved in implementation of the Scheme.
- ix. Selection of beneficiaries and implementation of scheme
- x. Oversee installation of systems.
- xi. Inspection of installed systems and online submission of completion reports to MNRE.
- xii. Disbursement of MNRE CFA and submission of utilization certificates and audited statement of expenditure through EAT/PFMS module.
- xiii. Online submission of monthly and quarterly progress reports.
- xiv. Ensure project completion within the given timelines and compliance of MNRE Guidelines and Standards.
- xv. Online and offline maintenance for records.
- xvi. Real time monitoring through dedicated web-portal
- xvii. Performance monitoring of installed system through third party
- xviii. Ensure compliance of AMC and training of locals by the vendors.
- xix. Any other activity to ensure successful implementation of the programme.

7. Installation of Innovative Standalone Solar Pumps

The scheme permits installation of innovative stand-alone solar pumps (under Component B and C) in test mode. The guidelines for installation of innovative stand-alone solar pumps are placed at Annexure III. These guidelines are applicable for all Indian innovators/ manufacturers/ service providers, who wish to install innovative stand-alone solar pumps in the country under this scheme.

8. Interpretation of the Guidelines

In case of any ambiguity in interpretation of any of the provisions of these guidelines, the decision of the Ministry of New & Renewable Energy shall be final.

The Guidelines may be reviewed by the Ministry from time to time and necessary modifications made with approval of Minister, New & Renewable Energy.

Glossary and Definitions

i. Ministry (Ministry of New & Renewable Energy)

Nodal Ministry of the Government of India for all matters relating to new and renewable energy to deploy new and renewable energy to supplement the energy requirements of the country and is referred to as Ministry in these guidelines.

ii. Renewable Power Generator (RPG)

Solar or other Renewable Energy based Power Plants (REPP) of capacity up to 2 MW will be setup by individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/Water User associations (WUA) hereinafter called Renewable Power Generator (RPG).

iii. Renewable Energy based Power Plant (REPP)

Renewable Energy based Power Plants to be commissioned under PM KUSUM

iv. Renewable Power Obligation

Under Section 86(1) (e) of the Electricity Act 2003 ("EA 2003") and the National Tariff Policy 2006, Renewable purchase obligation (RPO), is a mechanism by which the obligated entities are obliged to purchase certain percentage of electricity from Renewable Energy sources, as a percentage of the total consumption of electricity.

v. Commercial Operation Date

The Commercial Operation Date (COD) shall be considered as the actual date of commissioning of the solar power plant as declared by the Commissioning Committee.

vi. Expression of Interest

DISCOM may also invite applications for Expression of Interest (EOI) from prospective RPGs to identify the interested beneficiaries.

vii. Power Purchase Agreement

A electricity purchase agreement signed by the DISCOM with the qualified RPG for purchasing the electricity for a period of 25 years at the pre-determined/transparently determined Tariff.

viii. Letter of Award

Letter of Award (LoA) will be awarded to all eligible applicants for procurement of renewable power at a pre-fixed levelized tariff on first come first serve basis.

ix. Earnest Money Deposit (EMD)

In case of bidding, the RPG shall provide Earnest Money Deposit (EMD) in the form of Bank Guarantee along with EoI.

x. Performance Bank Guarantee (PBG)

The EMD will be converted into PBG for the successful bidders, who has signed the PPA within stipulated time period.

xi. Universal Solar Pump Controller

Universal Solar Pump Controller (USPC) is an electronic device through which farmer can use solar power for other activities like operating chaff cutter, floor mill, cold storage, drier, etc., and increase his income.

32/54/2018-SPV Division-Part (1)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhawan
Lodhi Road, New Delhi 110003
Dated: 29 Jan 2024

ORDER

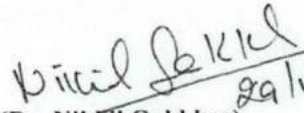
Subject: Clarification regarding Component C (FLS) of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM)

In continuation of this Ministry's Office Memorandum of even number dated 17.01.2024 regarding comprehensive guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme, the Ministry has received few clarifications regarding Component C (FLS) of the Scheme.

2. In this regard, it is to confirm that, the provision of requirement of indigenous solar cells (DCR) under Component C (FLS) of the PM KUSUM scheme has already been relaxed till **31.03.2024**.

3. Some states have inquired about the eligible CFA under Component C(FLS). It is to be clarified that the prevailing CFA under this component, i.e. Rs 1.05 Cr/MW for General States and Rs 1.75 Cr/MW for NER/Hilly Region and Islands would be valid till any update is announced by MNRE. SIA's are requested to expediate the implementation of Scheme in the state and report progress.

This is with the approval of Competent Authority.


(Dr. Nikhil Gakkhar)
Scientist D
011-20849115

To,

All Concern

32/645/2017-SPV Division
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003

Date: 14th February 2024

Office Memorandum

Subject: Clarification regarding new Comprehensive guidelines of PM KUSUM -reg.

In continuation of this Ministry's Office Memorandum of even number dated 17.01.2024 regarding comprehensive guidelines for implementation of PM-KUSUM Scheme, and Ministry's OM dated 29.01.2024, it clarified that prevailing CFA under this component would be valid till any update is announced by MNRE.

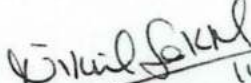
2. In view of the representation received from SIAs it is again clarified that

a) CFA of Rs 1.05 Cr/MW would be valid for all those LoAs, till any further update is announced by MNRE.

b) The DCR exemption would be valid for all those **Letter of Awards** which have been issued on or before 31.03.2024.

3. All the SIA's are requested to make a note of the above clarification and are requested to expediate the implementation of PM KUSUM Scheme. Further the progress made under each of the PM KUSUM scheme components shall be submitted, duly signed, to this Ministry on a monthly basis (Formats enclosed)

This is with the approval of Competent Authority.


(Dr. Nikhil Gakkhar)
Scientist D
011-20849115
14/2/24

To

All the concerned SIAs

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(

32/54/2018-SPV Division-Part (2)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhawan
Lodhi Road, New Delhi 110003
Dated: 1st March 2024

Office Memorandum

Subject: Amendment in the Scheme guidelines under the Component C (FLS) of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM)

In continuation of this Ministry's Office Memorandum of even number dated 17.01.2024 where comprehensive guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme were issued, the Ministry has received requests from SIAs regarding enhancing the maximum timeline allowed for commissioning of solar power plant under Component C (FLS) of the Scheme.

2. In this regard, it has been decided to amend the scheme guidelines under the Component C (FLS) of PM KUSUM as follows:

a) The maximum timeline allowed for commissioning of solar power plant under Component C (FLS) has been increased to 18 months from date of issuance of LOA. However, the overall sanction timeline would be as per Clause 6.5(i) of scheme guidelines issued on 17.1.2024.

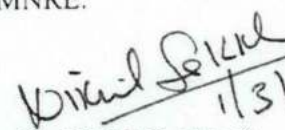
b) For the implementation under both RESCO and CAPEX mode, the CFA will be released in three instalments as follows:

- i. First release of 30% of the eligible CFA shall be released on completion of 30% of the total work.
- ii. Second release of 30% of the eligible CFA shall be released on completion of 75% of the total work; and
- iii. Final release of 40% of the eligible CFA shall be released on the successful completion of the project.

The detailed milestones to be considered as eligible for release of CFA would be notified by this Ministry separately.

c) Final instalment of 40% as per Para 2b(iii) above shall be released through DISCOM on successful operation and performance of the solar plant for six months after the commissioning, with achievement of at least one month CUF as per the minimum CUF agreed in PPA. The SIA need to submit PCR and other related documents, as prescribed by MNRE.

This order is issued with the approval of Hon'ble Minister NRE.


(Dr. Nikhil Gakkhar)
Scientist D

To,
All SIAs

Copy to:

- PS to Hon'ble Minister, MNRE
- PPS to Secretary, MNRE
- IFD, MNRE

32/54/2018-SPV Division-Part (2)
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhawan
Lodhi Road, New Delhi 110003
Dated: 5 April 2024

Office Memorandum

Subject: Detailed Milestones for release of CFA under Component C (FLS) of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) - reg

In continuation of this Ministry's Office Memorandum of even number dated 01.03.2024, vide which it was permitted to release CFA under three instalments to CAPEX and RESCO mode of installations, it was also informed that detailed milestones for release of CFA would be notified separately.

2. The milestones for the purpose of release of the CFA will be as follows:

Release	Milestone achieved	Activities to be completed by the project Developer	Release mechanism
30% of CFA as first instalment	30% of work	i) Letter of Award and signing of PPA by Project Developer with respective DISCOM. ii) Signing of EPC contract and releasing of advance to EPC contractor iii) Encumbrance free land available for project with either copy of land record with developer ownership or copy of lease agreement iv) Bay allocation letter received from DISCOM. v) ESCROW agreement, if financial assistance is obtained from FI/Banks. vi) GST invoices of solar module inverters and transformer. vii) Financial Closure of the project viii) 50% completion of preliminary civil work including foundation for module mounting structure etc.	The 30% CFA would be released to DISCOMs on submission of documents duly verified and signed by DISCOMs The DISCOM shall transfer the CFA to the RPG/Developer

30% of CFA as second instalment	75% of work	i) Completion of preliminary civil work including foundation for module mounting structure etc. ii) Receipt of Solar PV Module and Solar Inverters, at the project site. iii) 75% completion of installation work of solar PV modules	The second instalment would be released to the DISCOM The DISCOM would transfer the funds to lender/financier in case the project is under financing, otherwise release to RPG/Developer.
40% of CFA as final instalment	100% of work	a) Instalment of 25% shall be released through DISCOM on completion of the plant commissioning b) 15% on successful performance of the solar plants for two months after the commissioning, with achievement of at least one month CUF as per the minimum CUF agreed in PPA.	The final instalment would be released to the DISCOM. The DISCOM would transfer the funds to lender/financier in case the project is under financing, otherwise release to RPG/ Developer.

3. The admissible service charges of the DISCOM shall be released to DISCOM during final instalment.

This order is issued with the approval of Competent Authority

Nikhil Gakkhar
5/4/24
(Dr. Nikhil Gakkhar)
Scientist 'D'

To
All SIAs of Component C (FLS)

Copy to

- PA to Hon'ble Minister, NRE
- PPS to Secretary
- PS to JS (Solar)
- Concerned File

F. No.: 32/54/2018-SPV Division
Government of India
Ministry of New and Renewable Energy

Block no. 14, CGO Complex,
Lodi Road, New Delhi -110003
Date: 21 August 2024

Office Memorandum

Subject: Extension for installation of Solarization of Agricultural Feeders Pump under Component-C (FLS) of PM-KUSUM Scheme.

With respect to the cited subject, this is to inform you that the Ministry has sanctioned a total of 3,00,000 solar pumps under Component-C (FLS) of PM-KUSUM to the state of Gujarat during FY 2022-23. Vide letter dated 27.06.2024, the SIA has requested the extension of project awarded their four DISCOMs.

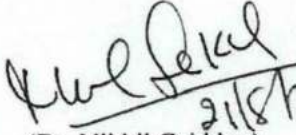
2. In view of the status of ongoing work, the Competent Authority has approved the extension of the sanctioned project to Gujarat as given below:

State	Implementing Agency	Sanction no. & date	Allocated number of pumps	Extension awarded
Gujarat	GUVNL	32/54/2018-SPV Division dated 18.05.2022	39332	31.12.2025
		32/54/2018-SPV Division dated 05.08.2022	260668	31.12.2025

3. The SIA is requested to make a note of the above and are requested to expedite the implementation of PM KUSUM Scheme. The extension of the projects is subject to milestone-based progress, as per Scheme guidelines, and non-satisfactory progress may lead to cancellation of the allocation.

4. The SIA is requested to provide the details of allocation given to State DISCOMs for reconciliation, if any.

This is issued with the approval from the Competent Authority.


(Dr. Nikhil Gakkhar)
Scientist-D

To,
Gujarat Urja Vikas Nigam Limited,
Sardar Patel Vidyut Bhavan,
Race Course,
Vadodara 390 007

 GUVNL	Gujarat Urja Vikas Nigam Limited	
	Sardar Patel Vidyut Bhavan, Race Course, Vadodara: 390 007	
	CIN U40109GJ2004SGC045195	An ISO 9001:2015 Certified Company Phone: 0265-2311797
No : GUVNL/Tech/ Solar Cell/PM-KUSUM-C/FLS/ 1088		Date : 22-08-2024

By e-Sarkar & E-mail

To,
 The Managing Director
 Corporate Office,
 DGVCL/MGVCL/PGVCL/UGVCL
 Surat/ Vadodara/ Rajkot/ Mehsana.

Sub.: Extension for installation of Solarization of Agricultural Feeders Pump under Component-C (FLS) of PM-KUSUM scheme.

Ref.:- MNRE's OM No. F.No.:32/54/2018-SPV Division dated 21-08-2024

Respected Sir,

With reference to the above, please find enclosed herewith the Office Memorandum vide no. F.No.:32/54/2018-SPV Division dated 21-08-2024, issued by the MNRE, Gol, regarding extension of validity of sanction for (i) solarization of 39332 Nos. of existing agriculture pumps vide Sanction No. F.No.32/54/2018-SPV Division dated 18-05-2022 and (ii) solarization of 260668 Nos. of existing agriculture pumps vide Sanction No. F.No.32/54/2018-SPV Division dated 05-08-2022, up to 31-12-2025 under Component-C Feeder Level Solarization of PM KUSUM Scheme.

This is for further appropriate actions after observing all the formalities, please.

Thanking you.

Yours faithfully,



(S. S. Modi)

**Chief Engineer (Tech)
 GUVNL**

Encl.:- As Above

CFWCs to:-

- The Managing Director, GUVNL, Vadodara.
- The Director (Fin.), GUVNL, Vadodara

	Gujarat Urja Vikas Nigam Limited		
	Sardar Patel Vidyut Bhavan, Race Course, Vadodara: 390 007		
	CIN U40109GJ20045GC045195	An ISO 9001:2015 Certified Company Phone: 0265-2311797	
No : GUVNL/Tech/ Solar Cell/PM-KUSUM-C/FLS/ 557			Date : 22-04-2024

By e-Sarkar & E-mail

To,
The Chief Engineer (Project)
Paschim Gujarat Vij Co. Ltd.
Corporate Office,
Rajkot.

Sub:- Ratification of Draft Amendment-5 in TN-10 tender under the Component-C Feeder Level Solarization of PM-KUSUM Scheme.

Ref:- (1) PGVCL's e-mail dated 12-04-2024
(2) e-Sarkar file No. : GUVNL/Tech/e-file/443/2023/0541/Technical
(Note no. 108 to 119 Business Committee approval)

With reference to PGVCL's e-mail dated 12-04-2024 regarding to ratify the changes incorporated in Draft Amendment-5 in TN-10 tender, it is to inform that the Competent Authority of GUVNL has ratified the same, subject to following conditions;

- (i) The following paragraph is added in the Sr. no. 1 to 6, mentioned in Amendment-5
"However, if the available period between the date of LoA and 19-12-2025 is less than 12 months, the bidder has the option to withdraw their bid without any implications on either side."
- (ii) The new proposed clause J.7 regarding Debarment from participation along with undertaking in this regard as mentioned in Amendment-5 is to be removed.

This is for information and to further convey the same to other DISCOMs from your end for uniform implementation under intimation to this office, please.


 (S S Modi)
 Chief Engineer
 (SRT & PM KUSUM)

CFWCs to:-

- The Director (Tech/Fin.), GUVNL, Vadodara

 GUVNL	<u>Gujarat Urja Vikas Nigam Limited</u>		
	Sardar Patel Vidyut Bhavan, Race Course, Vadodara: 390 007		
	CIN U40109GJ20045GC045195	An ISO 9001:2015 Certified Company Phone: 0265-2311797, Fax No. 0265-2327483	
No : GUVNL/Tech/ PM-KUSUM-C/FLS/ 1326			Date : 15-10-2024

By e-Sarkar & E-mail

To
The Managing Director,
DGVCL/MGVCL/PGVCL/UGVCL
Corporate Office,
Surat/Vadodara/Rajkot/Mehsana

Sub.:- New Allocation of Quantity under Feeder Level Solarization Component-C of PM-KUSUM Scheme.

Ref.:- 1) MNRE's Order No.: 32/54/2018-SPV Division dated 20-08-2024
2) e-Sarkar file no.: GUVNL/Tech/e-file/443/2023/0541/Technical (Note no. 127 to 141)

Respected Sir,

MNRE vide order dated 20-08-2024 has given sanction of fresh allocation (New allocation) of 1,00,000 no. of pumps under Feeder Level Solarization Component-C of PM-KUSUM Scheme to the Gujarat State. Copy of which is enclosed herewith.

In above regard, DISCOM wise tentative allocation is as under;

DISCOM	No. of pumps
DGVCL	20000
MGVCL	40000
PGVCL	40000
Total	100000

In view of above, as approved by the Authority, DISCOMs are authorized to invite the RfS to select SPG for the above allotted total quantity of fresh sanction in line with the procedure followed/adopted in last tenders, considering the quantity to be finalized or already finalized in last invited tenders by respective DISCOMs and take further appropriate actions after observing all formalities, please.

DISCOM-wise sanction-wise allocation for total 7,25,000 pump sets (including above fresh allocation of 1,00,000) is summarized as under for ready reference;

DISCOM	Sanctioned wise allocation					Total allocation
	2nd sanction dated 18-05-2022 : 39332 Nos.	3 rd sanction dated 05-08-2022: 260668 Nos.	4 th sanction dated 15-09-2023: 125000 Nos.	5 th sanction dated 20-12-2023: 200000 Nos.	6 th sanction dated 20-08-2024: 100000 Nos.	
1	2	3	4	5	6	7=(2+3+4+5+6)
DGVCL	2021	13396	0	5000	20000	40417
MGVCL	453	3000	0	5000	40000	48453
PGVCL	29973	198639	115984	130000	40000	514596
UGVCL	6885	45633	9016	60000	0	121534
Total	39332	260668	125000	200000	100000	725000

This is for information and needful after observing all the formalities, please.

Thanking you.

Yours Faithfully,


 15/10/24
 (S. S. Modi)
 Chief Engineer (Tech)

Encl.:- As above

Cfwcs to:-

The Director (Fin.), GUVNL, Vadodara.

32/54/2018-SPV Division
Government of India
Ministry of New and Renewable Energy

Atal Akshay Urja Bhavan
Lodhi Road, New Delhi 110003
Date: 20 August 2024

ORDER

Subject: Sanction of additional allocation and cancellation of existing quantities under Pradhan Mantri Kisan Urja Suraksha Evam Uthaan Mahabhiyaan (PM KUSUM)

With reference to additional demand / slow progress of states / quantities offer to surrender under different components of PM KUSUM Scheme and based on the approval of the Screening Committee the following capacities are Allotted/ Withdrawn / Surrender with respect to issued sanctions to State Implementing Agencies/Electricity Distribution Companies (DISCOM) under different Components of PM KUSUM Scheme:

i) Component A

S. No.	State	Sanction No	Sanctioned (MW)	Surrendered (Nos.)	Revised Allocation (MW)
1	Arunachal Pradesh (APEDA)	32/54/2018-SPV Division dated 23.01.2023	2	2	NIL

ii) Component B (Revised sanction)

S. No.	SIA & sanction	Sanctioned	Surrendered (Nos.)	Revised Allocation (Nos.)
1.	DNRE, Haryana (sanction dated 23.01.2023)	55000	55000	NIL
2.	KREDL, Karnataka (sanction dated 13.01.2021 and amended dated 25.01.2024)	1900	854	1046
3.	ANERT, Kerala (sanction dated 13.01.2021)	100	92	8
4.	IWRD, Mizoram (sanction dated 01.01.2024)	1000	1000	NIL
5.	OREDA, Odisha (sanction dated 13.01.2021)	5000	1800	3200
6.	TSRECO, Telangana (sanction dated 30.08.2022)	400	400	NIL
7.	DOA, Uttar Pradesh (sanction dated 23.01.2023)	30000	9000	21000

iii) Component B (Fresh allocation)

S. No.	State	Approved Allocation (Nos)
1.	Karnataka (KREDL)	15000
2.	Maharashtra (MEDA)	50000
3.	Maharashtra (MSEDCL)	50000

iv) Component C(IPS) (Fresh sanction)

S. No.	State	Approved Allocation (Nos)
1	Uttar Pradesh (UPNEDA)	10000

v) Component C(FLS) (Revised sanction)

S. No.	State	Sanction No	Sanctioned (Nos)	Surrendered (Nos.)	Revised Allocation (Nos.)
1	Haryana (DHBVN)	32/54/2018-SPV Division dated 21.06.2021	32459	19560	12899

iv) Component C (FLS) (Fresh allocation)

Sr No.	State	Approved Allocation (Nos.)
1	Gujarat*	100000
2	Karnataka*	179588
3	Madhya Pradesh (MPUVN)	150000
4	Rajasthan*	100000

*State needs to provide the DISCOM-wise bifurcation, if any.

- The project commissioning timeline shall be as mentioned in the Guidelines for implementation of Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan issued vide order no. 32/645/2017-SPV Division dated 17.01.2024 and amendments thereof. SIAs/Discoms shall submit progress reports and completion reports on the online portal/emails for PM-KUSUM Scheme.
- SIAs/ Discoms shall follow all the terms and conditions stipulated in the Guidelines of the above mentioned Scheme issued vide Order no. 32/645/2017-SPV Division dated 17.01.2024 and amendments thereof.
- SIAs/ Discoms shall follow updated specifications and testing procedures for the solar photovoltaic water pumping system and universal solar pump controller laid down by MNRE and amended from time to time.
- SIAs/ Discoms shall carry out various activities as mentioned under Section on Responsibilities of State Implementation Agency under PM KUSUM Scheme.
- SIAs/ Discoms shall be liable for recovery of the whole or part amount of the CFA, with applicable penal interest, in case of non-compliance of the provisions of the Scheme/Sanction.
- In terms of Rule 230 (7) of GFR 2017 and instructions of DoE, SIAs/ Discoms shall record the receipt of incentives and the expenditure therefrom in the EAT module of PFMS.

[Handwritten signature]

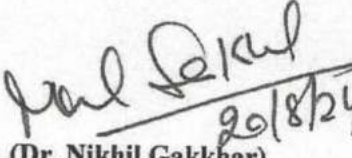
8. In terms of the Rule 230 (1) of GFR, concerned SIA/ Discom(s) will certify that they have not obtained or applied for grants for the same purpose or activity from any other Ministry or Department of the Government of India or State Government.

9. In terms of provisions contained in Rule 236(i) of GFR 2017, the account of concerned SIA/Discom(s) shall be open to inspection by the sanctioning authority and audit (both by CAG of India and Internal Audit by the Principal Accounts Office of the MNRE), whenever the organization is called upon to do so.

10. SIAs/ Discoms will furnish year wise Utilization Certificate (UC) in the prescribed format of GFR-12(A) and Audited Statement of Expenditure (ASoE) along with detailed progress report periodically as per provisions of the scheme.

11. As per Rule 234 of GFR-2017, the sanction has been entered at S. No. 20 & Page No. 5 in the Expenditure Register of this Division.

12. This issues with the approval of Competent Authority.


(Dr. Nikhil Gakkhar)
Scientist-D
011-20849115

To

Concerned SIAs/ DISCOM / SNAs of PM-KUSUM Scheme

Copy to:

1. Principal Director of Audit, Scientific Dept., DG, ACR Building, IP Estate, N. Delhi
2. AG, CW & M.II (Science Audit), AGCR Building, New Delhi
3. Pay and Accounts Officer, MNRE
4. IFD, MNRE
5. Sanction folder

The first part of the report deals with the general situation of the country and the progress of the work during the year.

The second part of the report deals with the results of the work during the year and the progress of the work during the year.

The third part of the report deals with the results of the work during the year and the progress of the work during the year.

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The thirteenth part of the report deals with the results of the work during the year and the progress of the work during the year.

The fourteenth part of the report deals with the results of the work during the year and the progress of the work during the year.

The fifteenth part of the report deals with the results of the work during the year and the progress of the work during the year.



अजय यादव, भा.प्र.से.
AJAY YADAV, IAS



संयुक्त सचिव
भारत सरकार
नवीन और नवीकरणीय ऊर्जा मंत्रालय
JOINT SECRETARY
GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY

D.O. No. 32/10/2021 SPV Division

Dated: 25th October 2024

Dear Sir/Madam,

The Ministry of New and Renewable Energy is implementing the PM-KUSUM scheme with the twin aim of solarizing agriculture and enhancing farmers' incomes. Your kind attention is invited to Component C of the PM KUSUM scheme, which also deals with Feeder-Level Solarization (FLS). The scheme provides support for the solarization of agricultural feeders, which ensures daytime electricity for farmers and reduces the state subsidy burden.

2. The scheme guidelines permit an overall timeline of 24 months for the completion of the project from the date of sanction, wherein, 18 months are provided from the date of LOA within the overall timeline. The scheme sunset date is 31 March 2026. During the last review meeting held on 09.10.2024, it has been observed that the activities under Component C (FLS) of the PM KUSUM Scheme need to be expedited. All PPAs under the allocated sanctions should be signed by 31st December 2024. This would allow the projects to be finished within the timeframe. The SIAs should also intensify the installation work of existing projects, where PPAs have already been signed.

3. In case, where the tenders have not been finalised so far, the same may be communicated to the Ministry by 30th November 2024 so that the unutilized quantity can be allocated to those states where installations are going on.

5. Considering the approaching deadline for PM KUSUM scheme, I request your kind intervention in expediting the implementation of the Scheme and ensuring that the objectives are achieved within the given time frame.

Yours Sincerely,

(Ajay Yadav, IAS)

To
All CEO/MD/Directors
State Implementing Agency/DICOM/SNA under Component C of PM KUSUM

Copy to

- Principal Secretary (Energy/Agriculture) of the states
- PSO to Secretary, MNRE

OFFICE NOTE:

No: MGVC/Proc/PMKusumCFLS/23-24/Tender Publication/ Dt.: 04/01/2024

Subject: Tender of Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVC under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

MGVC has to invite online tender for Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVC under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode. Accordingly, **on-line (e-tendering)** tender notice as reproduced here under for above work is to be advertised in leading Gujarati/English papers.

'Save Electricity'



Madhya Gujarat Vij Co. Ltd. Corporate
Office : 2nd floor, Sardar Patel Vidyut Bhavan Race
course, Vadodara

**TENDER NOTICE No (ID: 32807)**MGVC Web site: www.mgvcl.comDept- GOG: <http://guj-epd.gov.in>

Online tender is invited for Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVC under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode. Tender documents available on web site; <https://mgvcl.nprocure.com> (for on line submission, view and download) and GUVNL/MGVC web sites www.gseb.com & www.mgvcl.com (for view and download only). Interested vendors may surf the above web sites.

Note: Be in touch with our web sites till opening of tender.

Chief Engineer (Project)

Estimated amount of above tender is **Rs.536.185 Crore**

This is put up for approval and necessary publication in the news papers.

DE (DSM)

SE (DSM)

CE (Project)

To: AGM (HR), MGVC, Corporate Office, Vadodara.

'Save Electricity'



Madhya Gujarat Vij Co. Ltd.
Corporate Office : 2nd floor, Sardar Patel Vidyut Bhavan
Race course, Vadodara

**TENDER NOTICE No (ID: 32807)**MGVC Web site: www.mgvcl.comDept.- GOG: <http://guj-epd.gov.in>

File No: MGCOV/SCH/e-file/2784/2024/0149/DSM Cell

Approved By: Chief Engineer, Technical, MGCOV

Open the document in Adobe Acrobat DC to verify the E-sign



Online tender is invited for Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode. Tender documents available on web site; <https://mgvcl.nprocure.com> (for on line submission, view and download) and GUVNL/MGVCL web sites www.gseb.com & www.mgvcl.com (for view and download only). Interested vendors may surf the above web sites.

Note: Be in touch with our web sites till opening of tender.

Chief Engineer (Project)

Not to be published

CHIEF ENGINEER (Project)



File Number : MGCOV/SCH/e-file/2784/2024/0149/DSM Cell

File Subject : PM KUSUM Scheme (Component-C) of Grid connected Solar Agriculture connection. and related all matters

Note:1

Pl. forward for approval of Press Publication of New PM KUSUM Component-C feeder level solarization tender.

DIPESH R KHARVA
Deputy Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
04-01-2024 01:17 PM

Note:2

FOR APPROVAL PLEASE

SANJAY LALTAPRASAD VARMA
Superintending Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
04-01-2024 03:32 PM

Note:3

FOR APPROVAL AND TO FORWARD HR DEPT FOR PUBLICATION

SANJAY LALTAPRASAD VARMA
Superintending Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
04-01-2024 03:32 PM

Note:4

Approved

Kalpesh B. Dhebar
Chief Engineer
Technical
Corporate Office Vadodara MGCVCL
04-01-2024 07:05 PM

Note:5

Sir,

pl. forward to HR dept. for approval of press publication in newspapers.

DIPESH R KHARVA
Deputy Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
05-01-2024 11:04 AM

Note:6

I can only return back .

Approved note is not able to forward to others.

Kalpesh B. Dhebar
Chief Engineer
Projects
Corporate Office Vadodara MGCVCL
05-01-2024 11:19 AM

Note:7

Pl. give approval of press publication in newspapers.

DIPESH R KHARVA
Deputy Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
05-01-2024 11:26 AM

Note:8

Approval is conveyed through e-Sarkar.

MANGESH MADHUSUDAN MULEY
Deputy General Manager
Human Resource
Corporate Office Vadodara MGCVCL
08-01-2024 01:27 PM

Note:9

HR Department has already conveyed the approval vide letter NO.MGVCL/HR/ADVT./24/91 dtd. 06.01.2024 sent through e-Sarkar.

MANGESH MADHUSUDAN MULEY
Deputy General Manager
Human Resource
Corporate Office Vadodara MGCVCL
08-01-2024 01:30 PM

Note:10

completed

DIPESH R KHARVA
Deputy Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
08-01-2024 01:44 PM



MGVCL

MADHYA GUJARAT VIJ COMPANY LIMITED

Registered Office: Sardar Patel Vidyut Bhavan, Race Course, Vadodara 390007.

Tel. No: (0265) 2310582-86 – Fax No : (0265) 2337918 / 2338164

Web Site: www.mgvcl.com E-mail : dygmhr.mgvcl@gebmail.com**Ref. No. : MGVCL/HR/ Advt./24/91****Date: /01/2024**

To,
The Chief Engineer (Project),
Madhya Gujarat Vij Company Ltd,
Sardar Patel Vidyut Bhavan, Race Course,
BARODA-390007.

Sub: -Publishing Advertisement in Newspapers.

- Ref: -** (1) GUVNL Circular No. GUVNL/DT/PRO/03 dtd: 25.01.23.
(2) Our letter No. CE/MGVCL/Estt./05/4775 dtd. 21.07.2005.
(3) T. O. Circular NO.47 dtd: 12/06/2014.
(4) E –Sarkar Note No: MGCOV/SCH/e-file/2784/2024/0149/DSM CELL Dtd.05.01.2024.

With reference to the above, and as per GUVNL Circular No. GUVNL/DT/PRO/03 dated: 25.01.23, you are requested to release the said advertisement in the following daily Newspapers.

Sr.No.	Nivida No.	Name of newspaper	Edition	Language of newspaper
1	02/24	Loksatta Jansatta	Vadodara+ Ahmedabad	Gujarati
2	02/24	Indian Express	All India	English
3	02/24	The Economic Times	All India	English

The said advertisement should be published after composing the matter properly. The prescribed guidelines for advertisement be strictly observed as reiterated vide Circular No.47 Dt.12/06/2014.

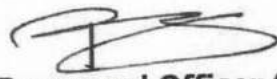
You are requested to ensure that the detailed Tender notice/advertisement appears on our Website before issuing the advertisement in the Newspaper.

The above **SR No 2 and 3** advertisements may be given to m/s. Dipti Advertisers, 3rd floor, P.K.House, Behind M.J.Library, opp. Gujarat Bhavan, Ellisbridge, AHMEDABAD. The contact name of Dipti Advertisers is as under;

Shri Jagat,
(M)-9825024733

Mail ID diptiads@gmail.com
diptiads@yahoo.com

It is requested to take the matter with the above agency.


Personnel Officer (L&IR)

Copy to:

1. C.E. (T&O), MGVCL Corporate Office, Baroda.
2. A.O. (EXP.), MGVCL, Corporate Office, Vadodara.

4. The fourth part of the document discusses the consequences of failing to maintain accurate records. It states that individuals or organizations that fail to comply with the requirements may be subject to fines, penalties, or even criminal prosecution.

MADHYA GUJARAT VIJ COMPANY LTD. Corporate Office : Sardar Patel Vidyut Bhavan, 2nd Floor, Race Course, Vadodara - 390 007 Phone No. (D) 0265-2330635 e-mail : ceproj.mgvcl@gmail.com CIN No. U40102GJ2003SGC042907	
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By e-mail: advt@loksattajansatta.com

No.: MGVCL/Proj/DSM/PM-KUSUM-C-FLS/Publication/51

Date: 06.01.2024

To,
 M/s Loksatta Jansatta
 Loksatta Bhavan,
 Nagarwada,
 Vadodara.

Sub: Tender Notice for **Request for Selection of SPG through 'On-line' mode for purchase** of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

Ref.: 1) MGC0V/SCH/e-tile/2784/2024/0149/DSM CELL Date 05.01.2024
 2) MGVCL/HR/Advt./24/91 Dated: - 06.01.2024

Dear Sirs,

A copy of tender notice is sent herewith. You are requested to arrange to publish the same in the daily newspapers as mentioned below on or before Date 08.01.2024 and send us the cutting of the same on urgent basis for our reference and record.

Sr. No.	Nivida No.	Name of Newspaper	Edition	Language of Newspaper
1	02/24	Loksatta Jansatta	Vadodara + Ahmedabad	Gujarati

This tender notice should be published in Two Columns Format with minimum size i.e. **height with MGVCL's emblem which is supplied to you** earlier. If the advertisement is not published in time, the payment will not be made.

You may, therefore, after the Advertisement appears in the News Paper, send your Bills in duplicate along with an advanced Stamped Receipt, addressed to G.M. (F&A), MGVCL, 4th Floor, Sardar Patel Vidyut Bhavan, Vadodara - 390 007, duly supported by the cutting of the Advertisement and Scheduled Rates etc.

Please ensure that cutting of the Advertisement so released, is to be sent to the undersigned immediately on publication thereof, without fail. The above tender notice may be published in above mentioned newspapers.

For and on behalf of Madhya Gujarat Vij Co. Ltd.,


 Signed by: KALPESH B DHEBAR
 Location: Vadodara, India
 Organization Unit: Madhya Gujarat
 Vij Company Limited (MGVCL)
 Date: 06-Jan-2024 (06:54 PM)
 (K B Dhebar)
 CHIEF ENGINEER (Project)

Encl.: Public Notice

Copy to: (1) G.M., (F&A), MGVCL, Vadodara.
 (2) DGM (HR), MGVCL, Vadodara.

----- He is requested to send copy of the cutting submitted by
 Newspaper agency for our reference and record.

THE UNIVERSITY OF CHICAGO
LIBRARY
1207 EAST 58TH STREET
CHICAGO, ILL. 60637
TEL: 773-936-3000
FAX: 773-936-3000
WWW.CHICAGO.EDU

THE UNIVERSITY OF CHICAGO
LIBRARY
1207 EAST 58TH STREET
CHICAGO, ILL. 60637
TEL: 773-936-3000
FAX: 773-936-3000
WWW.CHICAGO.EDU

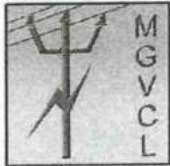
THE UNIVERSITY OF CHICAGO
LIBRARY
1207 EAST 58TH STREET
CHICAGO, ILL. 60637
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FAX: 773-936-3000
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FAX: 773-936-3000
WWW.CHICAGO.EDU

'Save Electricity'

Madhya Gujarat Vij Co. Ltd.
Corporate Office : 2nd floor, Sardar Patel Vidyut Bhavan
Race course, Vadodara

**TENDER NOTICE No (ID: 32807)**

MGVCL Web site: www.mgvcl.com

Dept. - GOG: <http://guj-epd.gov.in>

Online tender is invited for Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode. Tender documents available on web site; <https://mgvcl.nprocure.com> (for on line submission, view and download) and GUVNL/MGVCL web sites www.gseb.com & www.mgvcl.com (for view and download only). Interested vendors may surf the above web sites.

Note: Be in touch with our web sites till opening of tender.

Chief Engineer (Project)

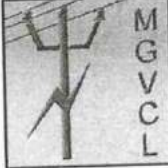
Not to be published

CHIEF ENGINEER (Project)

MADHYA GUJARAT VIJ COMPANY LTD. Corporate Office : Sardar Patel Vidyut Bhavan, 2 nd Floor, Race Course, Vadodara - 390 007 Phone No. (D) 0265-2330635 e-mail : ceproj.mgvcl@gebmail.com CIN No. U40102GJ2003SGC042907	 G20 INDIA 2023 एक ही कदम ONE EARTH - ONE FAMILY - ONE FUTURE
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By e-mail: diptiads@gmail.com, diptiads@yahoo.com
 No.: MGVC/Proj/DSM/PM-KUSUM-C-FLS/Publication/50

Date: 06.01.2024

To,
 M/s Dipti Advertisers,
 3rd floor, P.K. House,
 B/h M.J. Library, Opp. Gujarat Bhavan,
 Ellisbridge, Ahmedabad.
 Shri Jagat (M) - 9825024733

Sub: Tender Notice for **Request for Selection of SPG through 'On-line' mode for purchase** of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVC under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

Ref.: 1) MGC/V/SCH/e-tile/2784/2024/0149/DSM CELL Date 05.01.2024
 2) MGVC/HR/Advt./24/91 Dated: - 06.01.2024

Dear Sirs,

A copy of tender notice is sent herewith. You are requested to arrange to publish the same in the daily newspapers as mentioned below on or before Date 08.01.2024 and send us the cutting of the same on urgent basis for our reference and record.

Sr. No.	Nivida No.	Name of Newspaper	Edition	Language of Newspaper
1	02/24	Indian Express	All India	English
2	02/24	The Economic Times	All India	English

This tender notice should be published in Two Columns Format with minimum size i.e. **height with MGVC's emblem which is supplied to you earlier.** If the advertisement is not published in time, the payment will not be made.

You may, therefore, after the Advertisement appears in the News Paper, send your Bills in duplicate along with an advanced Stamped Receipt, addressed to G.M. (F&A), MGVC, 4th Floor, Sardar Patel Vidyut Bhavan, Vadodara - 390 007, duly supported by the cutting of the Advertisement and Scheduled Rates etc.

Please ensure that cutting of the Advertisement so released, is to be sent to the undersigned immediately on publication thereof, without fail. The above tender notice may be published in above mentioned newspapers.

For and on behalf of Madhya Gujarat Vij Co. Ltd.,

Sign
 Signed by: KALPESH B DHEBAR
 Location: Vadodara, India
 Organization Unit: Madhya Gujarat
 Vij Company Limited (MGVC)
 Date: 06-Jan-2024 (05:56 PM)

(K B Dhebar)
 CHIEF ENGINEER (Project)

Encl.: Public Notice

Copy to: (1) G.M., (F&A), MGVC, Vadodara.
 (2) DGM (HR), MGVC, Vadodara.

----- He is requested to send copy of the cutting submitted by Newspaper agency for our reference and record.

MAHMOUD GUJARAT ALCOHOL LTD
C/O. M. S. GUJARAT ALCOHOL LTD
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000





'Save Electricity'

Madhya Gujarat Vij Co. Ltd.
Corporate Office : 2nd floor, Sardar Patel Vidyut Bhavan
Race course, Vadodara



TENDER NOTICE No (ID: 32807)

MGVCL Web site: www.mgvcl.com

Dept.- GOG: <http://guj-epd.gov.in>

Online tender is invited for Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode. Tender documents available on web site; <https://mgvcl.nprocure.com> (for on line submission, view and download) and GUVNL/MGVCL web sites www.gseb.com & www.mgvcl.com (for view and download only). Interested vendors may surf the above web sites.

Note: Be in touch with our web sites till opening of tender.

Chief Engineer (Project)

Not to be published

CHIEF ENGINEER (Project)

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Madhya Gujarat Vij Co. Ltd.

Corporate office : 2nd Floor, Sardar Patel
Vidyut Bhavan, Race Course, Vadodara



TENDER NOTICE No : (ID: 32807)

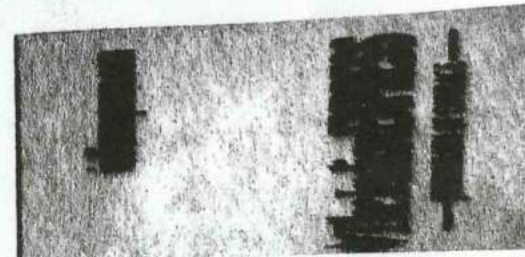
MGVCL Web site: www.mgvcl.com Dept-GOG: <http://guj-epd.in>

Online tender is invited for Request for Selection of SPG through 'On-line'
mode for purchase of power from solar power Procurements through
competitive bidding process (followed by reverse e-auction) for
Solarization of 11kv Agricultural feeders emanating from selected
66/11kv Sub-stations in the supply area of MGVCL under Component-C
of PM-KUSUM Scheme for Feeder level Solarization through
Mode. Tender documents available on web site: <https://mgvcl.nprocure.com>
(for on line submission, view and download) and GUVNL/MGVCL
sites www.gseb.com & www.mgvcl.com (for view and download
only). Interested bidders may refer the above web sites.
Note: Be in touch with our web sites to open tender.

Engineer (Project)

Classifieds

PERSONAL



for yourself and
on someone who
better of you. You
reward very soon.
so have patience



Gujarat Agro
selection
House at Naroda
further information
or <https://tender>
29/01/2024, 18:00
process.

PRABH

12A Abhishree Corpora
Ambli, Ahmedabad-

1	Tender no.
	Description of Work
	date of submission

THE UNIVERSITY OF
MICHIGAN LIBRARY
ANN ARBOR, MICHIGAN

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KERALA WATER AUTHORITY - Tender Notice
TenderNo:142/2023-24/KWA/PHC/D1/TVM(RT2). JJM-CWSS to
Kadinamkulam Mangalapuram & Andoorkonam Pts and Att Municipality-
Construction of 20LL OHSR, Laying of CWPM to Kurankada OHSR,
Transmission Mains of 450mm, 400mm, 350mm, 200mm & 150mm diameter,
Supply, Installation & Commissioning of CWP to Valiyakunnu OHSR-Pipeline
Work. EMD : Rs. 500000/- .Tender fee : Rs. 19518/- .Last Date for submitting
Tender : 10-01-2024 03:00:pm. Phone : 04712322303 Website : www.kwa.kerala.gov.in & www.etenders.kerala.gov.in. Superintending Engineer,
PH Circle, Thiruvananthapuram
KWA-JB-GL-6-1989-2023-24

Madhya Gujarat Vij Co. Ltd. "Save Electricity"
Corporate office : 2nd Floor, Sardar Patel
Vidyut Bhavan, Race Course, Vadodara
TENDER NOTICE No : (ID: 32807)
MGVCL Web site: www.mgvcl.com Dept-GOG: <http://guj-epd.gov.in>
Online tender is invited for Request for Selection of SPG through 'On-line'
mode for purchase of power from solar power Procurements through
competitive bidding process (followed by reverse e-auction) for
Solarization 11kv feeders emanating from selected
Sub stations in the supply area of MGVCL under Component-C
Scheme for Feeder level Solarization through RE
Dept. Tender documents available on web <https://mgvcl.nprocure.com> (for on
subm on, view and download) GUVNL/MGVCL
www.gseb.com & www.mgvcl.com (for view and download
only). interested vendors see above
Note: in our web till ng tender.
Engineer (Project)

Letter No: A/c-282/23-24 CIN U4014

Expression of interest are in
NIGAM LIMITED, Ra
nationalized/ Sc



Office :
Te
Website :

Expressic

Term Loan

Tenughat Vidyut Nigam Limited (T
term loan from Financial Instit
Banks amounting to Rs. 192.50 cr
Lakhs) only for the work of ground
plant of 50 MW at TTPS Lalpania.

Interested Financial Institution ar
rates along with associated terms
TVNL. The EoI documents must re
to 16:00 hours which will be opene

The detailed EoI documents may be

Interested Applicant may contact v
any queries/ clarifications.

Contact No. 7909019302, 903105

PR 315295 Tenughat Vidyut N
Ltd.(23-24)D

XPRESSION INTEREST FOR PURCHASE

Consultants Pvt Ltd. (PICPL) is Operator of the CB-ONN-2010/5. Block CB-ONN
Mahsana Tectonic block of the Cambay Basin. It covers an area of 25.51 sq. km. FDR of a

તું ભરૂચમાં માં આવ્યું

વાના લક્ષ સાથે સંસ્થા અનંક
રી રહી છે. ત્યારે ગતરોજ
સાંઈ મંદિરે બપોરે ઉમિયા
રથ આવતા તે રથનું સ્વાગત
આવ્યું હતું. ત્યારબાદ
રતી અને રાસ ગરબા
હતા જેમાં ખૂબ જ મોટી
સમસ્ત કડવા પાટીદાર
લોકો અને અન્ય સમાજના
માતાજીના દર્શન કરી
મનુભ હતી સાથે જ આ
ડા મંદિર તુલસીધામ થઈ
ભરૂચમાં મણ કરી જે
આઈડીસી કડ પાટીદાર
વાડી ત્રી રોકાણ કરી
રથ આગળ પ્રસ્થાન થશે.

અરજદાર: લક્ષ્મણ જગજી સુધાર

સામાવાળા: જન્મ મરણ નોંધણી અધિકારી/સબ-રજીસ્ટ્રાર જન્મ-મરણ

સ્ટે: બી-૧૦૪, અર્ધ મેલેપોલિસ-૪, કેનાલ રોડ, બાઈડ કે વિધાલય પાછળ, વડોદરા. (આરોગ્ય શાખા) વડોદરા મહાનગર સેવામંદળ, કેવડાવાળ, વડોદરા.

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(હસમુખ એમ.ગોસાઈ) (એમ.કે.તડવી) (આર.ડી.ખલાસ)

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'Save Electricity'

Madhya Gujarat Vij Co. Ltd.

Corporate Office: 2nd floor, Sardar Patel Vidyut Bhavan

Race course, Vadodara



ગુજરાત સરકાર
ગૃહ મંત્રાલય
સબ-સેક્ટર - ૨૦૨ - ૨૦૨૦

TENDER NOTICE No (ID: 32807)

MGVCL Web site: www.mgvcl.com Dept. - GOG: <http://gui-epd.gov.in>

Online tender is invited for Request for Selection of SPG through

'On-line' mode for purchase of power from solar power Procurements

through competitive bidding process (followed by reverse e-auction)

for Solarization of 11kv Agricultural feeders emanating from selected

66/11kv Sub-stations in the study area of MGVCL under Component-C

of PM-KUSUM Scheme for Feeder level Solarization through RESCO

Mode. Tender documents available on web site: <https://mgvcl.nprocure.com>

(for on line submission, view and download) and GUVNL/MGVCL

web sites www.gseb.com & www.mgvcl.com (for view and download

only). Interested vendors may surf the above web sites.

Be in touch with our web sites till

Engineer (Project)

(માહિતી/ગોપનીય)

જાહેર નિવિદા નં. ૧૫/૨૦

કાર્યપાલક ઇજનેરશ્રી, પંચાયત

મહિસાગર (ફોન નં. ૦૨૬૭૪-૨૫૨

લાઈન ટેન્ડર ગુજરાત સરકાર-૫

ઇજનેરશ્રીઓ પાસેથી માંગવામાં આ

જણાવેલ ઓફીસનો સંપર્ક સાધ

<http://tender.nprocure.com>

ટેન્ડર ટેન્ડર નોટીસ www.statel

મળશે. કામ અંગેના સુધારા વધારા

અ કામનું નામ

૧ કંપ્યુટરીંગ વર્ક ન્યુ કોસ ફ્રેન્જ, રીપે

ઓફ કોસ ફ્રેન્જ, સ્ટ્રક્ચર એન્ડ

વર્ક એન્ડ અવર મીસે. વર્ક ઓન

રોફ્ટ એન્ડ એન્ડ વેન રીકવાયર્ડ

ઈમરજન્સી અન્ડર મહિસાગર (પં

એન્ડ્રુઅલ, બેન્ડીસ

પ્રિન્સીપલ ઈન્જી. તા. ૧૬/૦૧/૨૦૨

ઇજનેર ક્યેરી પંચાયત મા. ૨

ભુવન, રોડ, વડોદરા ખાતે રાં

ઓન લાઈન ટેન્ડર ભરવાની અંતિ

ટેન્ડર ખોલવાની તારીખ :- ૩૦/૦

(માહિતી/ગોપનીય)

Annex 2-D

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Page 1 of 2

dedsmcell.pgvc@gmail.com

From: "eedsmcell.pgvc" <eedsmcell.pgvc@gmail.com>
Date: Friday, March 4, 2022 12:10 PM
To: "DE DSM PGVCL" <dedsmcell.pgvc@gmail.com>; "SOLAR SRT" <srt.pgvc@gmail.com>
Cc: "C jedsm pg" <je2dsmcell.pgvc@gmail.com>
Attach: FLS Capacity Calculation.docx
Subject: Fw: Calculation of Solar Power Plants Capacity under Feeder Level Solarization

EE- DSM Cell,
PGVCL, Corporate Office,
Rajkot

From: I/C ACE SOLAR GUVNL
Sent: Wednesday, March 2, 2022 10:28 AM
To: ceproj.pgvc@gmail.com ; aceproj.pgvc@gmail.com ; acerc.mgvc@gmail.com ;
acesdp.dgvc@gmail.com ; 'B R Icecreamwala' ; aceproject@ugvc.com ; 'SE (Solar)' ; 'A V Saxena' ;
sedsm.dgvc@gmail.com ; 'SE DSM' ; ser_c.pgvc@gmail.com ; eedsmcell.pgvc@gmail.com
Cc: cetech.guvnl@gmail.com ; de1solar.guvnl@gmail.com ; de2solar.guvnl@gmail.com ;
solarcell.guvnl@gmail.com
Subject: FW: Calculation of Solar Power Plants Capacity under Feeder Level Solarization

Sir,
Please find the trailing mail from MNRE with the methodology of calculating the Solar power plant capacity under the Feeder Level Solarization of the PM-KUSUM Scheme Component-C.

As you know that GUVNL has demanded 1000 MW capacity for 3Lakh Ag. connections from MNRE and sanction would be received soon. So we will required the SS wise solar capacity in next fortnight. Kindly prepare the data of the Substation wise Estimated Solar Plant capacity as per the methodology.

So, concerned Nodal Officer is requested to undertake the exercise for their DISCOM to estimate the Solar plant capacity.

With regards,
R. J. Vala
I/C ACE(Solar Cell),
GUVNL, Vadodara.

From: Shobhit Srivastava [mailto:shobhit.srivastava@nic.in]
Sent: 10 February 2022 09:16
To: md apdcl <md.apdcl@apdcl.org>; cecomcseb@gmail.com; 62tcscharma@gmail.com; ramakant ece <ramakant.ece@gmail.com>; amal sinhal <amal.sinhal@relianceada.com>; ceo sectt <ceo.sectt@relianceada.com>; Abhishek r ranjan <Abhishek.r.ranjan@relianceada.com>; g sethi <g.sethi@tatapower-ddi.com>; cetech guvnl <cetech.guvnl@gmail.com>; sesolar guvnl <sesolar.guvnl@gmail.com>; gedagoa@yahoo.com; cecommercial@dhbvn.org.in; cecommercial@uhbvn.org.in; secommercial@uhbvn.org.in; secommercial@dhbvn.org.in; vinsood99@gmail.com; CEO Himurja <himurja.himurja@nic.in>; wqjxkeda@gmail.com; mdjpdcl3@gmail.com;

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 <cmd.tsecl@rediffmail.com>; dirupneda@gmail.com; vc@nredcap.in; assamrenewable@gmail.com;
 info@jreda.com; agm sgkredl <agm.sgkredl@gmail.com>; gmdsm@bescom.co.in; gmdsm work
 <gmdsm.work@gmail.com>; eedsmandrnd hescom <eedsmandrnd.hescom@gmail.com>;
 projectscesc@gmail.com; jayakumar@anert.in; secssjodhpur@gmail.com; secss jdvvn
 <secss.jdvvn@rajasthan.gov.in>; md avvn <md.avvn@rajasthan.gov.in>; md@jvvn.org; gm1@teda.in;
 tnebsankar in <tnebsankar.in@gmail.com>; sethuc2@gmail.com; ce dsm4 <ce.dsm4@gmail.com>;
 neerajkumar upcl <neerajkumar.upcl@gmail.com>; solarwbsedcl2018@gmail.com
 Cc: Jeevan Kumar Jethani <jethani.jk@nic.in>; Himani Mehta <himani.mehta@gov.in>
 Subject: Calculation of Solar Power Plants Capacity under Feeder Level Solarization

Sir/ Madam,

This has reference to calculation of solar power plant capacity under feeder level solarization of Component-C of PM-KUSUM. Ministry has received requests from SIAs for clarifications in the estimation of plant capacity. Based on the queries received and also highlighting the relevant provisions of the Guidelines issued on 04.12.2022, a summary of methodology to be adopted for estimation of plant capacity has been prepared and attached herewith for information. All SIAs are requested to follow the methodology mentioned in the attached document. SIAs do not need prior approval of MNRE on capacity of the plant to be installed. The CFA will be released as per the attached methodology.

Regards

Shobhit Srivastava
 Scientist-D
 MNRE



Solar Plant Capacity Calculation Under Feeder Level Solarization

All SIAs are requested to take note of the following provisions of the Feeder Level Solarization Guidelines issued by MNRE on 04.12.2020 and instructions issued on queries received from the Implementation Agencies:

- (i) The requirement of total annual power for an agriculture feeder will be assessed and a solar power plant of capacity that can cater to the requirement of annual power for that agriculture feeder can be installed either through CAPEX mode or RESCO mode, which will supply solar power to that feeder. For example, a feeder having annual power requirement of say 10 lakh units, the power can be supplied by solar power plant of capacity around 600 kW with CUF of 19%.
- (ii) Average of consumption of last three years shall be considered for calculating the solar plant capacity as illustrated above.
- (iii) Mixed feeders can also be solarized, however, MNRE CFA will be available based on capacity calculated for agriculture consumption.
- (iv) Under the Scheme solarisation of pumps of any capacity is allowed, however, in case of pumps of capacity above 7.5 HP, the CFA will be limited to solar capacity for 7.5 HP pumps.
- (v) For calculating consumption for pumps of capacity higher than 7.5 HP, for the purpose of calculating plant capacity eligible for MNRE CFA, average consumption of 7.5 HP pumps on the same feeder may be considered. This average consumption may be used in estimating consumption for all pumps of capacity higher than 7.5 HP.
- (vi) The state may choose to install feeder level solar power plant of capacity higher than capacity required for supplying power to agriculture feeder. The additional solar power generated may be used for supplying nearby rural/urban loads during day time or alternatively stored/banked for supplying power during evening hours for lighting/induction cooking and other household purposes. However, in this case CFA will be limited for solar capacity required for supplying power to the agriculture feeder.
- (vii) Since the projects are to be commissioned near the point of consumption, distribution losses would be reduced, therefore, losses shall not be considered in plant capacity estimation.
- (viii) CUF shall be taken as per the solar insolation on site, however, CUF of minimum 19% shall be considered for calculation of plant capacity eligible for CFA. No restrictions to be made on installing DC capacity higher than total contracted AC capacity of the plant to help achieve higher CUF.
- (ix) In case of unmetered connections, following methods may be followed for calculation of consumption:



- a. Indexation approved by the State Electricity Regulatory Commission may be followed.
- b. If both metered and unmetered connections are there on the same feeder, capacity-wise average of consumption of the metered connections may be extended to the unmetered connections. This shall be cross-checked with the feeder level meter.
- c. Consumption on feeder level meters may be used for estimation of plant capacity. However, if pumps of capacity higher than 7.5 HP are there on such feeder, capacity may be calculated based on consumption reduced in proportion of the load if capacity capped at 7.5 HP and actual load on the feeder.

No. MGVCL/Project/DSM/PM KUSUM C FLS TN-7/

Dt. 02/01/2024

Office Note:

Sub: Administrative Approval for publishing Tender of Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

- Ref:**
1. MNRE's OM No. F. No. 32/645/2017-SPV Division/ Dtd. 04.12.2020
 2. MNRE's sanction vide no-32/54/20-SPV DIVISION Dtd.17.03.2021
 3. EPD, GoG Letter to MNRE no-REN/11/2021/552/B1/ Dtd.13.01.2022
 4. EPD, GoG Letter to GUVNL no-SLR/11/2016/2284/B1/ Dt.07.04.2022
 5. MNRE's sanction vide no-32/54/2018-SPV DIVISION Dtd.18.05.2022
 6. GUVNL/Tech/Solar-Cell/PM-KUSUM-C/FLS/371 dt.21.02.2023

MNRE vide email dated : 17.02.2022 informed all State Implementing Agencies (SIAs) regarding methodology for Calculation of Solar power plants Capacity under Feeder Level Solarization wherein it is mentioned that Solar Plant capacity to be calculate considering 19% CUF.

GUVNL has amended conditions in earlier tender as under:

- Ø "Due to poor response from the Solar Power Generator (SPG) / Developers and considering various factors, Competent Authority of GUVNL has decided to remove upper ceiling tariff (Rs.2.40) for quoting the tariff and reverse auction to be undertaken as per tender documents to get the competition.
- Ø MNRE, OM dated 11-05-2022, has removed the requirement of the PBG against CFA and amended clause as "CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful operation and performance of the solar plant for two months after the commissioning with at least one month CUF as per minimum CUF agreed in PPA. Further, a suitable clause in PPA shall be included to ensure that RESCO developer does not sell solar power to any other buyer except the concerned Discom during tenure of PPA including penal provision calling for refund of proportionate CFA granted to the project by MNRE on violation of this condition. In case of any liquidation of assets of the solar power plant prior to completion of PPA period, the first charge shall be towards recovery of proportionate CFA granted to the project by MNRE."
- Ø As per GUVNL directives "DISCOM are requested, after selection of SPG/parties the discovered tariff may be consulted with GUVNL and subsequently before signing agreement, tariff needs to be adopted by GERC".

GUVNL being State Implementing Agency (SIA) vide letter under ref. sr.no.(6) mentioned that PGVCL had modified draft tender of PM KUSUM Component-G Feeder level solarisation & same was ratified by the competent authority of GUVNL and directed other DISCOMs to invite new tender with modified Rfs document in line with PGVCL by selecting agriculture feeders having 7.5hp connections along with their last three years consumption to find out the Substation wise Solar plant capacity considering eligible CFA (considering 19% CUF) upto 7.5hp.

As directed by GUVNL vide ref.(6) & during VC meeting held on dt.26.12.2023 the Competent authority of GUVNL directed all DISCOMs for invitation of new tender with modified Rfs document in line with PGVCL & Substation wise Surplus/Spare RE Capacity and technical feasibility for evacuation of Solar energy at various substations under jurisdiction of MGVCL asked from GETCO on urgent basis. In this regard, immediately on dt.26.12.2023 the list of substations under jurisdiction of MGVCL were forward to CE(TR) GETCO & concern Zone office, SE(TR) of circle offices for submission which were received on dt.27.12.23 & 01.01.24 respectively. And the data of Substation wise Agriculture feeders having 7.5 hp connections with their connected load, last three years consumption & Solar plant capacity with eligible CFA (considering 19% CUF) were considered as per the data earlier received from circle offices for tender TN-06 ID:582408 due to urgency of invitation of new tender as directed by the competent authority.

On receipt of Substation wise Surplus/Spare RE Capacity and technical feasibility for evacuation of Solar energy at various substations & Substation wise Agriculture feeders having 7.5hp connections with their Solar plant capacity total 76nos. of Substations having 80nos. Solar plants are identified with 99740 nos. of agriculture pumps, 260nos. of agriculture feeders & total capacity of Solar plant with eligible CFA (considering 19% CUF) 153.196 MW & Notified Solar plant capacity (in multiple of 0.5 MW) 134.5 MW..

The Details of selected 76 nos. substations having 80nos. Solar plants for Feeder level solarization of Component-C of PM-KUSUM Scheme under RESCO model with solar capacity assessment as per **Annexure-A**.

Important Points of the Rfs are as under for Feeder level Solarization of Component-C of PM-KUSUM.

1. Mode of implementation: - through RESCO Developer
2. Substations selected **76nos.** with 80nos. of Solar plants in MGVCL for implementation of scheme.
3. Feeder selected **260nos.** in MGVCL for implementation of scheme.
4. Bidder Qualification Requirement:
 - Legal entity: - Any Individual/Company/LLP/Partnership/Proprietor ship/JV/Body Corporate/Association/Body of Individuals whether incorporated or not or artificial juridical person/Group of farmers or Cooperatives/Panchayats/Farmer Producer Organizations (FPO)/Water user associations (WUA)/any legal body shall be eligible to participate in the bid for establishment of solar project for feeder level solarisation.

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Approved By: Chief Engineer,Projects,MGCov

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- The entity shall have positive net worth of the last year as on 31-03-2023
 - 5. Remote monitoring system for the Solar plant is in SPG's scope.
 - 6. CUF taken is 19% (fixed i.e. no deration permitted).
 - 7. Bidders shall quote on-line their lowest levelized tariff in Rs. per kWh for selling the power generated against the respective capacity of solar power plant for the respective feeders under this feeder level Solarization scheme to MGVL for 25 years from date of CoD.
 - 8. Work execution period: Within 9 months from date of signing of PPA
- Land:- The SPG shall identify the location of the Solar project land & Procurement will be preferably within Five KM radius of the selected sub-stations in order to avoid high cost of evacuation line and losses.
- Procurement land: It shall be the responsibility of SPG to identify and arrange for required Procurement land on ownership / lease basis. In case of lease land, the minimum period of lease agreement shall be such that it shall cover the 25 years of PPA and MGVL and/or Govt. assumes no responsibility in procuring / arranging for Procurement land.
9. **Price Evaluation:-**
- Evaluation of price bid (tariff quoted) shall be carried out for the capacity of Solar plant mentioned against respective feeder.
 - Tariff Ceiling:-** The upper ceiling / maximum allowable levelized tariff **Rs. 2.40 per unit removed by GUVNL**
 - Reverse Auction:-** as per the condition of tender.
10. Petition filing by GUVNL/MGVL to GERC for adoption of discovered levelized tariff for the solar power plant
11. **PPA:-** Execution of PPA by DISCOM for a period of 25 years from CoD.
12. **MNRE's CFA:-** CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful operation and performance of the solar plant for two months after the commissioning with at least one month CUF as per minimum CUF agreed in PPA.

Tender/Rfs Document Fee	Rs.10000 + Rs.1800 (GST 18%) = Rs. 11,800 /-
EMD	EMD - Rs. 1 lakh per MW per SS = Rs. 153.196 lakh (As per Annexure-3)
Performance Bank Guarantee	PBG@Rs. 5 Lakh per MW per SS = Rs. 765.979 lakh (As per Annexure-3)
Date of Project commissioning	Within 9 months from date of signing of PPA
Solar PV Plant technology	All components used for installation of solar power plants shall conform to applicable BIS/MNRE specifications and follow quality control guidelines issued by MNRE. It will be mandatory to use domestically manufactured modules only.
"Work Area" / "Site"	The Solar Power plant for Feeder level Solarization will be preferably installed within Five KM radius of the concerned sub-stations in order to avoid high cost of sub-transmission lines and to reduce transmission losses. SPG to identify and procure/lease the Non agriculture land on his own for 25 years for installation of Solar plant for this feeder level Solarization projects. Land will not be provided by MGVL to SPG.
Delivery point	11 KV Bus of associated 66Kv/11kv substation of respective feeders
Estimated Project Cost	Rs. 536.185 Crore (As per Annexure-3)
Selection criteria	Lowest (L1) quoted levelized tariff for 25 years followed by e-reverse auction
Terms of PPA	25 years (unless extended by both the parties on mutual agreement) of O&M
Eligible CFA by MNRE	Successful bidder to get CFA @ Rs. 1.05 Cr per MW considering capital cost of solar project at Rs. 3.50 Crores per MW (subject to installation & commissioning of project in line with MNRE requirement). CFA up to 100% of the total eligible CFA will be released to the RESCO developer through DISCOM on successful operation and performance of the solar plant for two months after the commissioning with at least one month CUF as per minimum CUF agreed in PPA
Bid Validity	120 days from the date of opening of online Technical bid.
Qualifying Criteria	• Legal entity: - Any Individual/Company/LLP/Partnership/Proprietorship/JV/Body Corporate/Association/Body of Individuals whether incorporated or not or artificial juridical person/Group of farmers or Cooperatives/Panchayats/Farmer Producer Organizations (FPO)/Water user associations (WUA)/any legal body shall be eligible to participate in the bid for establishment of solar project for feeder level solarisation. • The entity shall have positive net worth of the last year as on 31-03-2023.

Budgetary Provision:

- Ø Estimated cost of tender is to be booked under PM-KUSUM Scheme as per MNRE Guideline.

DOP:

- Ø As Per DOP (Individual Level) → works Clause No. 3.1, invitation of Tender CE at Corporate Office has full power in

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Approved By: Chief Engineer, Projects, MGCOV

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concurrence with concerned CE and GM(F&A). **Note is put up for approval to the Competent authority.**

Proposal:

Proposal is put up for Administrative approval for publishing of tender of Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

Note is put up for perusal, decision and Administrative approval for publishing of tender of Request for Selection of SPG through 'On-line' mode for purchase of power from solar power Procurements through competitive bidding process (followed by reverse e-auction) for Solarization of 11kv Agricultural feeders emanating from selected 66/11kv Sub-stations in the supply area of MGVCL under Component-C of PM-KUSUM Scheme for Feeder level Solarization through RESCO Mode.

DE (DSM)

SE (DSM)

CE (Project)

GM (F&A)

**To,
SE (DSM)**

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1/4/24, 10:38 AM

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File Number : MGCOV/SCH/e-file/2784/2024/0050/DSM Cell
File Subject : PM KUSUM Scheme (Component-C) of Grid connected Solar Agriculture connection. and related all matters



Note:1

Pl. forward for approval.

DIPESH R KHARVA
Deputy Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
02-01-2024 02:02 PM

Note:2

FOR APPROVAL PL

SANJAY LALTAPRASAD VARMA
Superintending Engineer
DSM Cell
Corporate Office Vadodara MGCVCL
02-01-2024 05:32 PM

Note:3

OK

As proposed.

Kalpesh R. Dhebar
Chief Engineer
Technical
Corporate Office Vadodara MGCVCL
02-01-2024 05:45 PM

Note:4

Pl. validate.

JAYNISH HASMUKHBHAI MODI
General Manager
Accounts
Corporate Office Vadodara MGCVCL
03-01-2024 10:45 AM

Note:5

for audit please

NILESHKUMAR RAMANILAL PATEL
Deputy Chief Accounts Officer
Accounts
Corporate Office Vadodara MGCVCL
03-01-2024 10:54 AM

Note:6

Draft Tender is verified and found in order.

TRUSHITA SHAH
Superintendent
Accounts
Corporate Office Vadodara MGCVCL
03-01-2024 01:10 PM

1/4/24, 10:38 AM

MGCOV/SCH/e-file/2784/2024/0050/DSM Cell

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Note:7

Draft tender found in order

NILESHKUMAR RAMANLAL PATEL
Deputy Chief Accounts Officer
Accounts
Corporate Office Vadodara MGCVCL
03-01-2024 04:29 PM

Note:8

Ok.

JAYNISH HASMUKHBHAI MODI
General Manager
Accounts
Corporate Office Vadodara MGCVCL
03-01-2024 04:45 PM

Note:9

Approved

Kalpesh B. Dheh
Chief Engineer
Projects
Corporate Office Vadodara MGCVCL
04-01-2024 10:20 AM

ANNEXURE - A

Sr No.	Circle	Division	Name of Sub Station 66KV/11KV	Name of Solar Plant (Bid plant Number)	Circle	Division	No. of Ag Feeders	No. of Ag. Connections (up to 7.5HP)	Solar Plant capacity considering eligible CFA (Considering 19% CUF) up to 7.5 HP (MW)	Available space in SS in MW Capacity as per GETCO
1	Baroda (O&M)	Dabhoi	66kv Dabhoi	MG-FLS-SS-41	Baroda (O&M)	Dabhoi	5	1283	0.892	20
2	Baroda (O&M)	Bodeli	132kv Vasedi	MG-FLS-SS-42	Baroda (O&M)	Bodeli	4	1835	1.656	15
3	Baroda (O&M)	Bodeli	132kv Zoz	MG-FLS-SS-43	Baroda (O&M)	Bodeli	3	2086	2.339	12
4	Baroda (O&M)	Bodeli	66kv Patiya	MG-FLS-SS-44	Baroda (O&M)	Bodeli	4	624	1.076	19.5
5	Baroda (O&M)	Bodeli	66kv Simal Faliya	MG-FLS-SS-45	Baroda (O&M)	Bodeli	3	1240	1.241	18
6	Baroda (O&M)	Dabhoi	66kv Bhatpur	MG-FLS-SS-46	Baroda (O&M)	Dabhoi	3	585	0.678	17
7	Baroda (O&M)	Bodeli	66kv Bhekhadiya	MG-FLS-SS-47	Baroda (O&M)	Bodeli	3	1509	2.972	10
8	Baroda (O&M)	Bodeli	66kv Devmori (Ranglichokdi)	MG-FLS-SS-48	Baroda (O&M)	Bodeli	4	3225	4.605	13
9	Baroda (O&M)	Bodeli	66kv Kawant-A	MG-FLS-SS-49	Baroda (O&M)	Bodeli	3	2102	4.249	10.5
10	Baroda (O&M)	Bodeli	66kv Kawant-B	MG-FLS-SS-50	Baroda (O&M)	Bodeli	2	1302	2.209	
11	Baroda (O&M)	Dabhoi	66kv Kosindra	MG-FLS-SS-51	Baroda (O&M)	Dabhoi	4	1489	3.808	13.5
12	Baroda (O&M)	Bodeli	66kv Lehwant	MG-FLS-SS-52	Baroda (O&M)	Bodeli	2	1235	1.102	16
13	Baroda (O&M)	Bodeli	66kv Panwad	MG-FLS-SS-53	Baroda (O&M)	Bodeli	4	1467	1.775	3
14	Baroda (O&M)	Bodeli	66kv Ratanpur	MG-FLS-SS-54	Baroda (O&M)	Bodeli	2	798	2.086	14.5
15	Baroda (O&M)	Bodeli	66kv Rendee	MG-FLS-SS-55	Baroda (O&M)	Bodeli	4	1374	2.54	10.5
16	Baroda (O&M)	Bodeli	66kv Sengpur	MG-FLS-SS-56	Baroda (O&M)	Bodeli	2	517	1.194	16
17	Baroda (O&M)	Bodeli	66kv Surya	MG-FLS-SS-57	Baroda (O&M)	Bodeli	2	600	0.777	19
18	BARODA (O&M), Godhra (O&M)	Bodeli, Halol	66kv Uchapan	MG-FLS-SS-58	BARODA (O&M), Godhra (O&M)	Bodeli, Halol	4	1484	1.084	18
19	Baroda (O&M)	Bodeli	66kv Vadodh	MG-FLS-SS-59	Baroda (O&M)	Bodeli	3	1535	1.659	2
20	Baroda (O&M)	Bodeli	66kv Vaghach	MG-FLS-SS-60	Baroda (O&M)	Bodeli	2	665	1.807	13
21	Baroda (O&M)	Baroda	66kv Ankaliya	MG-FLS-SS-61	Baroda (O&M)	Baroda	2	508	1.216	15.34
22	Baroda (O&M)	Baroda	66kv Savli	MG-FLS-SS-62	Baroda (O&M)	Baroda	5	1998	3.157	8.41
23	Anand (O&M)	Anand Rural	66kv Bhalej	MG-FLS-SS-63	Anand (O&M)	Anand Rural	3	768	0.646	8
24	Anand (O&M)	Anand Rural & Anand City	66kv Jole	MG-FLS-SS-64	Anand (O&M)	Anand Rural & Anand City	4	609	0.623	4
25	Nadiad (O&M)	Nadiad-City	66kv Changa	MG-FLS-SS-65	Nadiad (O&M)	Nadiad-City	6	912	0.633	4
26	Nadiad (O&M)	Nadiad-Rural	66kv Thasra	MG-FLS-SS-66	Nadiad (O&M)	Nadiad-Rural	4	636	0.996	8
27	Nadiad (O&M)	Mehmadabad	66kv Anara	MG-FLS-SS-67	Nadiad (O&M)	Mehmadabad	2	595	1.117	12
28	Nadiad (O&M)	Mehmadabad	66kv Antisar	MG-FLS-SS-68	Nadiad (O&M)	Mehmadabad	3	736	1.97	12
29	Nadiad (O&M)	Nadiad-Rural	Balasinor	MG-FLS-SS-69	Nadiad (O&M)	Nadiad-Rural	6	825	1.551	4
30	Nadiad (O&M) & Anand (O&M)	Nadiad-City, Anand Rural	66kv Chakiashi	MG-FLS-SS-70	Nadiad (O&M) & Anand (O&M)	Nadiad-City, Anand Rural	7	1468	2.05	4
31	Nadiad (O&M)	Mehmadabad	66kv Hamirpura (Bhailal(kui))	MG-FLS-SS-71	Nadiad (O&M)	Mehmadabad	4	1132	4.506	8
32	Nadiad (O&M)	Nadiad-Rural	66kv Jorapura	MG-FLS-SS-72	Nadiad (O&M)	Nadiad-Rural	4	897	1.943	8
33	Nadiad (O&M)	Mehmadabad	66kv Kheda	MG-FLS-SS-73	Nadiad (O&M)	Mehmadabad	6	1153	1.599	4
34	Nadiad (O&M)	Mehmadabad	66kv Malitadi	MG-FLS-SS-74	Nadiad (O&M)	Mehmadabad	4	1015	2.551	12
35	Nadiad (O&M)	Mehmadabad	66kv Nirmali-A	MG-FLS-SS-75	Nadiad (O&M)	Mehmadabad	3	1172	4.478	12
36	Nadiad (O&M)	Mehmadabad	66kv Nirmali-B	MG-FLS-SS-76	Nadiad (O&M)	Mehmadabad	3	767	2.94	
37	Nadiad (O&M)	Nadiad-City	66kv Palaiya	MG-FLS-SS-77	Nadiad (O&M)	Nadiad-City	5	1161	2.839	4
38	Nadiad (O&M)	Nadiad-Rural	66kv Pandva	MG-FLS-SS-78	Nadiad (O&M)	Nadiad-Rural	3	629	1.226	12
39	Nadiad (O&M)	Nadiad-Rural	66kv Ruppura	MG-FLS-SS-79	Nadiad (O&M)	Nadiad-Rural	3	450	1.037	12

40	Nadiad (O&M) & Anand (O&M)	Nadiad-Rural, Anand Rural	66kv Sheri (Alina)	MG-FLS-SS-80	Nadiad (O&M) & Anand (O&M)	Nadiad-Rural, Anand Rural	2	552	0.81	12
41	Nadiad (O&M)	Mehmadabad	66kv Shihora	MG-FLS-SS-81	Nadiad (O&M)	Mehmadabad	3	455	1.523	12
42	Nadiad (O&M)	Mehmadabad	66kv Thavad	MG-FLS-SS-82	Nadiad (O&M)	Mehmadabad	2	380	1.414	12
43	Nadiad (O&M)	Mehmadabad	66kv Torna	MG-FLS-SS-83	Nadiad (O&M)	Mehmadabad	6	1523	3.089	4
44	Nadiad (O&M)	Nadiad-City, Mehmabad	66kv Vaso	MG-FLS-SS-84	Nadiad (O&M)	Nadiad-City, Mehmabad	4	1358	1.386	8
45	Nadiad (O&M)	Mehmadabad	66kv Vyasvasna	MG-FLS-SS-85	Nadiad (O&M)	Mehmadabad	3	786	2.441	12
46	Godhra (O&M)	Godhra	66kv Santroad	MG-FLS-SS-86	Godhra (O&M)	Godhra	3	2303	1.71	6.17
47	Godhra (O&M)	Godhra	66kv Shahera	MG-FLS-SS-87	Godhra (O&M)	Godhra	4	910	0.632	12
48	Godhra (O&M)	Godhra	66kv Timba	MG-FLS-SS-88	Godhra (O&M)	Godhra	2	413	1.16	17.17
49	Godhra (O&M)	Godhra	66kv Tuva	MG-FLS-SS-89	Godhra (O&M)	Godhra	2	523	1.159	16
50	Godhra (O&M)	Halol	66kv Bhadaroli	MG-FLS-SS-90	Godhra (O&M)	Halol	3	743	0.64	14.3
51	Godhra (O&M)	Halol	66kv Kalol	MG-FLS-SS-91	Godhra (O&M)	Halol	4	1587	3.79	9.46
52	Godhra (O&M)	Halol	66kv Khakhariya	MG-FLS-SS-92	Godhra (O&M)	Halol	2	841	2.266	6.72
53	Godhra (O&M)	Halol	66kv Mader	MG-FLS-SS-93	Godhra (O&M)	Halol	1	380	0.586	14.68
54	Godhra (O&M)	Halol	66kv Paldi	MG-FLS-SS-94	Godhra (O&M)	Halol	2	445	1.066	10.2
55	Godhra (O&M)	Halol	66kv Shivrajpur	MG-FLS-SS-95	Godhra (O&M)	Halol	4	2081	1.491	7.5
56	Godhra (O&M)	Halol	66kv Tarkhanda	MG-FLS-SS-96	Godhra (O&M)	Halol	2	705	1.558	8
57	Godhra (O&M)	Halol	66kv Ghoghamba-A	MG-FLS-SS-97	Godhra (O&M)	Halol	2	1509	2.637	5.7
58	Godhra (O&M)	Halol	66kv Ghoghamba-B	MG-FLS-SS-98	Godhra (O&M)	Halol	2	1705	2.852	
59	Godhra (O&M)	Halol	66kv Simaliya	MG-FLS-SS-99	Godhra (O&M)	Halol	3	2909	1.438	8
60	Godhra (O&M)	Halol	66kv Vejapur	MG-FLS-SS-100	Godhra (O&M)	Halol	4	1098	1.196	7.51
61	Godhra (O&M)	Dahod	66kv Devgadbaria	MG-FLS-SS-101	Godhra (O&M)	Dahod	3	2383	1.137	13.68
62	Godhra (O&M)	Dahod	66kv Karath (Limdi)	MG-FLS-SS-102	Godhra (O&M)	Dahod	3	2526	2.561	12.69
63	Godhra (O&M)	Dahod	66kv Kathia	MG-FLS-SS-103	Godhra (O&M)	Dahod	3	622	0.502	17.79
64	Godhra (O&M)	Dahod	66kv Mota Ambaliya	MG-FLS-SS-104	Godhra (O&M)	Dahod	3	2611	1.328	11.34
65	Godhra (O&M)	Dahod	66kv Piplod	MG-FLS-SS-105	Godhra (O&M)	Dahod	2	1273	0.797	17.39
66	Godhra (O&M)	Dahod	66kv Zalod	MG-FLS-SS-106	Godhra (O&M)	Dahod	4	1879	1.089	12
67	Godhra (O&M)	Lunawada	66kv Limda Muvadi	MG-FLS-SS-107	Godhra (O&M)	Lunawada	4	2374	3.976	9.21
68	Godhra (O&M)	Lunawada	66kv Limbadiya	MG-FLS-SS-108	Godhra (O&M)	Lunawada	3	1170	0.908	14.79
69	Godhra (O&M)	Lunawada	66kv Movasa-A	MG-FLS-SS-109	Godhra (O&M)	Lunawada	3	1723	4.072	8.3
70	Godhra (O&M)	Lunawada	66kv Movasa-B	MG-FLS-SS-110	Godhra (O&M)	Lunawada	2	1100	2.73	
71	Godhra (O&M)	Lunawada	66kv Varadhari	MG-FLS-SS-111	Godhra (O&M)	Lunawada	6	2284	4.498	11.11
72	Godhra (O&M)	Lunawada	66kv Bakor	MG-FLS-SS-112	Godhra (O&M)	Lunawada	3	2085	1.129	1.27
73	Godhra (O&M)	Lunawada	66kv Debhari	MG-FLS-SS-113	Godhra (O&M)	Lunawada	3	1162	3.229	8
74	Godhra (O&M)	Lunawada	66kv Ditwas	MG-FLS-SS-114	Godhra (O&M)	Lunawada	2	1083	0.882	2.5
75	Godhra (O&M)	Lunawada	66kv Malvan	MG-FLS-SS-115	Godhra (O&M)	Lunawada	2	576	1.007	18.44
76	Godhra (O&M)	Lunawada	66kv Mota Khanpur	MG-FLS-SS-116	Godhra (O&M)	Lunawada	5	2403	2.357	28.8
77	Godhra (O&M)	Lunawada	66kv Salaiya	MG-FLS-SS-117	Godhra (O&M)	Lunawada	2	1033	2.172	12
78	Godhra (O&M)	Lunawada	66kv Valakhedi	MG-FLS-SS-118	Godhra (O&M)	Lunawada	3	1100	0.583	16
79	Baroda (O&M)	Dabhoi	66kv Chalamali	MG-FLS-SS-119	Baroda (O&M)	Dabhoi	2	1465	3.306	3
80	Baroda (O&M)	Bodeli	66kv Naswadi	MG-FLS-SS-120	Baroda (O&M)	Bodeli	2	1296	3.262	3
TOTAL							260	99740	153.196	836.970

Consolidated Tender Details

Home > Consolidated Tender Details

Tender Id: 32807

[View BOQ/Item Details](#)

Organization Name	Madhya Gujarat Vij Company Limited
Location	Vadodara
Department	Energy And Petrochemicals Department
Sub Department	Corporate Office, Technical Section
IFB/Tender Notice No	MGVCL/Project/DSM/PM-KUSUM-C-FLS/ TN-7 DT: 03-01-24
Tender Creation Date	03-01-2024 16:44
Tender Type	Open
Tender Title/Name of Project	RfS Document for purchase of power through competitive bidding process (followed by reverse e-auction) for Solarization of 11 KV Agricultural feeders emanating from selected 66 / 11 KV Sub-stations in the supply area of MGVCL.
Description of Material/Name of Work	RfS Document for purchase of power through competitive bidding process (followed by reverse e-auction) for Solarization of 11 KV Agricultural feeders emanating from selected 66 / 11 KV Sub-stations in the supply area of MGVCL.
Sector Category	Power and Energy
Form of Contract	Turn-key
Product Category	Electrical Works
Tender Category	WORKS
Estimated Cost Value	5361850000.00 (Five Hundred Thirty Six Crore Eighteen Lacs Fifty Thousand Only)
Is ECV Visible to Supplier?	Yes
Tender Currency Type	Single
Tender Currency Setting	Indian Rupee
Period of Completion/Delivery Period	As per tender Document Attached
Procurement Type	Works
Consortium / Joint Venture	N/A
Rebate	N/A
Alternate decrypter	N/A

Calender Details

Bid Document Download Start Date	03-01-2024 21:00
Bid Document Download End Date	25-01-2024 16:00
Bid Submission Start Date	03-01-2024 21:00
Bid Submission Closing Date	25-01-2024 16:00
Tender NIT View Date	N/A
Remarks	Bidder has to submit DD/Banker's Cheque/ Pay Order /Bank Guarantee within 5 days from the scheduled date of on-line opening of Tender Fee & EMD stage (Preliminary Stage). (On working days, During office hours.)
Pre-Bid Meeting Mode	Offline
Pre-Bid Meeting Opening Date	10-01-2024 11:30
Bid validity	120

Amount Details

Bidding Processing Fee (OFFLINE)	11800.00 (Eleven Thousand Eight Hundred Only)
Bidding Processing Fee Payable to	MADHYA GUJARAT VIJ COMPANY LIMITED
Bidding Processing Fee Payable at	Vadodara

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Bid Security/EMD/Proposal Security INR(OFFLINE)	15319600.00 (One Crore Fifty Three Lacs Nineteen Thousand Six Hundred Only)
Bid Security/EMD/Proposal Security INR Payable to	Madhya Gujarat Vij Company Limited
Bid Security/EMD/Proposal Security INR Payable at	Vadodara
Bank Guarantee Minimum	300001
Bank Guarantee Maximum	15319600

Other Details

Officer Inviting Bids	CE (Proj)
Bid Opening Authority	CE (Proj)
Address	Corporate Office: Sardar Patel Vidyut Bhavan, 2nd Floor, Race Course, Vadodara - 390 007
Contact Details	ceproj.mgvcl@gebmail.com

General Terms & Conditions

General Terms and Conditions

- (1) Bidders can download the tender document free of cost from the website.
- (2) Bidders have to submit Technical bid as well as Price bid in Electronic format only on nprocure website till the Last Date & time for submission.
- (3) Offers in physical form will not be accepted in any case.
- (4) Free vendor training camp will be organized every Saturday between 4.00 to 5.00 P.M. at (n)code solutions-A Division of GNFC Ltd., Bidders are requested to take benefit of the same.

Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate as per Information Technology Act-2000 (Class-III) using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contract (n)code solutions- A division of GNFC Ltd, who are licensed Certifying Authority by Govt. of India.

In case bidders need any clarifications or if training required to participate in online tenders, they can contact (n)Procure Support team:-

(n)code Solutions-IT division of GNFC Ltd.,
(n)Procure Cell
304, GNFC Infotower, S.G. Road,
Bodakdev, Ahmedabad – 380054 (Gujarat)

+Contact Details

Phone
+91-79-40007517, 40007514, 40007515.
E-mail : nprocure@ncode.in

TOLL FREE NUMBER: 73590 21663

Other Terms & Conditions as per detailed tender documents

Tender Documents

Sr No	Document Name	Document Definition
1	1. MGVCCL_RfS PM KUSUM_C-FLS. TN-7.pdf	1. MGVCCL_RfS PM KUSUM_C-FLS. TN-7
2	2. ANX-1-Metering Infrastructure and RMS Architechture.pdf	2. ANX-1-Metering Infrastructure and RMS Architechture
3	3. ANX-2-PPA -SPG-for FLS-PMKUSUM-C-MGVCL.pdf	3. ANX-2-PPA -SPG-for FLS-PMKUSUM-C-MGVCL
4	Annexure-3.pdf	Annexure-3

Tender Stages

Stage Name	Evaluation Date	Minimum Forms for Submission	Evaluation Dependency
Preliminary Stage	30-01-2024 11:00	0	

Stage Name	Evaluation Date	Minimum Forms for Submission	Evaluation Dependency
Technical Stage	01-02-2024 11:00	0	Preliminary Stage
Price Bid Stage	08-02-2024 11:00	0	Technical Stage

1. Preliminary Stage

Form Id	Form Name	Form Mode	Submission Type	Mandatory	Action
7139	Tender Fee and EMD Details	User Defined Template-Standard	Single	Yes	Q
7138	FORM-4 Undertaking for producing GSTIN	User Defined Template-Standard	Single	Yes	Q
7141	Details of NEFT/RTGS/Online of Bidder	User Defined Template-Standard	Single	Yes	Q

Documents required for Stage - Preliminary Stage

Sr No	Document Name	Mandatory
1	Attach scan copy of tender fee - RTGS/NEFT/Online	Yes
2	Attach scan copy of EMD - DD/RTGS/NEFT/Bank Guarantee (As per form-9)	Yes
3	Attach scan copy of cancelled cheque	No
4	Attach scan copy of GSTIN Document	No
5	Form-3 Summary of offered capacity bidded and EMD Detail	Yes
6	Form-4 Undertaking for producing GSTIN	No

2. Technical Stage

Form Id	Form Name	Form Mode	Submission Type	Mandatory	Action
7142	Form-1: Bid Submission Letter with Undertaking of RFP Conditions	User Defined Template-Standard	Single	Yes	Q
7140	Form-2 Summary Details of Bidder	User Defined Template-Standard	Single	Yes	Q

Documents required for Stage - Technical Stage

Sr No	Document Name	Mandatory
1	Form-1: Bid Submission Letter with Undertaking of RFP Conditions.	Yes
2	Form-2 Summary Details of Bidder	Yes
3	Form-3 Summary of Substation wise offered Plant capacity and EMD details	Yes
4	Form-4 Undertaking for producing GSTIN	Yes
5	Form-5 Positive Net-worth Certificate of Bidder	Yes
6	Form-6 Power of Attorney in favour of Authorized Signatory (In Case of Bidder is Single Entity)	No
7	Form-7 Power of Attorney in favour of Authorized Signatory (In Case Bidder is Joint Venture)	No
8	Form-8 Undertaking by the Joint Venture Partners (In Case Bidder is Joint Venture)	No
9	Form-9 EMD Bank Guarantee Format	No
10	Kindly Create eAuction ID on https://e-auction.nprocure.com and provide the same on Letter pad	Yes
11	PAN card	Yes
12	GST Certificate	Yes
13	In case of LLP – Copy of Registration Certificate and LLP Agreement	No
14	In case of Partnership – Copy of Deed of Partnership	No
15	Income Tax Return (ITR) of FY 2022-23 or Chartered Accountant Certificate in support of positive Net worth (duly mentioning UDIN).	No
16	Copy of Registration / Incorporation Certificate	No
17	Details of Directors of Company as on date of submission of bid duly certified by practicing Company Secretary	No

3. Price Bid Stage

Form Id	Form Name	Form Mode	Submission Type	Mandatory	Action
7143	Price Bid	User Defined Template-Secured	Single	Yes	

Evaluation Committee

Stage/Truck	Evaluating Committee	Decryptor		Stage Evaluator
		Primary Decryptor	Alternate Decryptor	
Preliminary Stage	Kalpesh B Dhabar .(mgvcltechkbd)	Kalpesh B Dhabar .(mgvcltechkbd)	N/A	Kalpesh B Dhabar .(mgvcltechkbd)
Technical Stage	Kalpesh B Dhabar .(mgvcltechkbd)	Kalpesh B Dhabar .(mgvcltechkbd)	N/A	Kalpesh B Dhabar .(mgvcltechkbd)
Price Bid Stage	Kalpesh B Dhabar .(mgvcltechkbd)	Kalpesh B Dhabar .(mgvcltechkbd)	N/A	Kalpesh B Dhabar .(mgvcltechkbd)

BACK PRINT

Icon

Legends

Description

View

MADHYA GUJARAT VIJ COMPANY LIMITED

REQUEST FOR SELECTION (RfS) OF SPG
FOR

**PURCHASE OF SOLAR POWER THROUGH COMPETITIVE BIDDING
PROCESS [FOLLOWED BY REVERSE E-AUCTION]**

FOR

**SOLARIZATION OF VARIOUS 11KV FEEDERS OF SELECTED 66/11KV
SUBSTATIONS IN MGVCCL**

UNDER
RESCO MODE OF
PM-KUSUM COMPONENT-C
FEEDER LEVEL SOLARIZATION SCHEME

Issued by:

The Chief Engineer (Project)

MADHYA Gujarat Vij Company Ltd.,

CIN: U40102GJ2003SGC042907, Regd. & Corporate Office,

Sardar Patel Vidyut Bhavan, Race Course,

VADODARA-390007, GUJARAT-INDIA

Web: www.mgvcl.com, Email: ceproj.mgvcl@gebmail.com

Disclaimer:

1. Though adequate care has been taken while preparing this RfS document, the Bidders shall satisfy themselves that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within fifteen (15) days from the date of notification of RfS/ Issue of the RfS documents, it shall be considered that the RfS document is complete in all respects and has been received by the Bidder.
2. MADHYA Gujarat Vij Company Limited (MGVCL) reserves the right to modify, amend or supplement this RfS document and the draft PPA including selection process and evaluation criteria, if deemed necessary by it or the same is required under Law. Such change shall be posted on Bidding Portal.
3. While this RfS has been prepared in good faith, neither MGVCL nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RfS, even if any loss or damage is caused by any act or omission on their part.
4. This RfS is not an agreement and is neither an offer nor invitation to the prospective bidders or any other person. The purpose of this RfS is to set the terms for the selection process and to provide Bidders with information that may be useful to them in preparation and submission of their Bids.
5. The bidder shall bear all its costs associated with or relating to the preparation and submission of its bid, including but not limited to preparation, copying, postage, delivery fees or any other costs incurred in connection with or relating to its bid. All such costs and expenses will remain with the bidder and the authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a bidder in preparation of submission of the bid, regardless of the conduct or the outcome of the bidding process.
6. MGVCL reserves the right to annul the bid process and/or reject any or all of the Bids submitted in response to this RfS document at any stage without assigning any reasons whatsoever. In such cases MGVCL will refund the EMD, if any, and cannot be subjected to any liability whatsoever due to such rejection/cancelation.
7. This RfS is invited from SPG under Component –C of MNRE, Government of India's PM-KUSUM Scheme for Solarization Agricultural feeders of selected 66/11 KV Sub-station and the availability of CFA is subject fulfillment of terms & conditions of the scheme, disbursement of CFA by MNRE to the State of Gujarat and MNRE's evaluation of data for various projects under this Tender. MGVCL and GUVNL shall not be responsible for non-receipt / part receipt of CFA or delay in disbursement of CFA to any project of any feeder, if reasons for such non-receipt / part receipt or delay in disbursement of CFA is attributable to the SPG entity. In such a case, MGVCL /GUVNL shall not be liable to pay /compensate any difference of CFA on account of less amount of CFA received from MNRE.

Notice Inviting RfS**No: MGVL/Project/DSM/PM-KUSUM-C-FLS/ TN-7 DT: 03-01-24**

As authorized by the Gujarat Urja Vikas Nigam Ltd. (GUVNL) being State Implementing Agency (SIA) for Component-C of PM-KUSUM Scheme in the Gujarat State, the Chief Engineer (Project)-MGVL invites this Request for Selection of SPG through 'On-line' mode for purchase of power from solar power projects through competitive bidding process (followed by reverse e-auction) for Solarization of 11 KV Agricultural feeders emanating from selected 66 / 11 KV Sub-stations in the supply area of MGVL under PM-KUSUM Scheme Feeder level Solarization through RESCO Mode.

The setting up of Solar Power Generator (SPG) under this RfP shall involve Design, survey, supply, installation, testing, commissioning, operation & maintenance for 25 years from Commercial Operation Date, grid connectivity through erection of 11kV line to connect the plant with concerned 66 / 11 KV Substation, installation & operation of RMS of Solar power plant through RESCO model for Solarization of 11kV feeders of selected 66/11kV substation in MGVL under PM-KUSUM scheme – Component C-feeder level Solarization (FLS).

The RfS documents may be down loaded from web site <https://mgvl.nprocure.com> (For view, download and on line submission) and MGVL's website www.mgvcl.com (for view download only.) (To view the PDF file please use "Acrobat Reader" software which can be downloaded from "Adobe "website.)

RfS bid offer is required to be submitted by **online mode only in electronic form on website <https://mgvl.nprocure.com>** (i.e. under preliminary, technical and price offer stage of online). **The copy of necessary documents as specifically mentioned in RfS is/are required to be submitted in physical form also at following address, within 5 days from the date of submission through online mode, to:-**

**The Chief Engineer (Project),
MADHYA Gujarat Vij Company Ltd.,
Regd. & Corporate Office,
Sardar Patel Vidyut Bhavan, Race Course,
VADODARA-390007, (Gujarat).**