

Proceedings of the Meeting with the empanelled channel partners for the second phase vide EOI No.4/SPP/RT/MANIREDA/2017-18 dated 19th Aug., 2017 on grid connected rooftop solar power plant in Manipur in private sectors on 7th of Dec., 2017 at 11.00 am in office chamber at Secured Office Complex, Imphal, Chaired by the Chairman, MANIREDA.

List of participants is given at Annexure:

2. The Chairman, MANIREDA, in the chair, welcomed all the members present in the Meeting. He observed that the main purpose of convening this meeting was to discuss the procedures and strategy to be adopted while implementing grid connected rooftop solar power plants in Manipur in the second phase in order to complete within March 2018.
3. The Director, MANIREDA informed all the sixteen empanelled channel partners to present or depute their representatives in the Meeting. However two firms namely M/s Ujaas Energy Ltd., Indore, MP and M/s Swastik Enterprises, Kolkata, were absent in the meeting and was given observation to write to the firms for their participation as channel partners of MANIREDA within 15th of Dec 2017. Later, Mr. Nilbir Singh was present lately on behalf of M/s Swastik Enterprises, Kolkata.
4. Further, few firms viz. M/s T & T Projects Ltd., Chatribari, Rd., Guwahati-781 001, Assam, M/S KCS Solar Power Pvt. Ltd., Pitampura, New Delhi – 110034, M/s Sunshine Power Products Pvt. Ltd., Kolkata, have not submitted names of the local representatives of the respective firms and directed to submit all necessary formalities within 15th Dec., 2017.
5. Director, MANIREDA informed target of 5 MW allocated by MNRE for the current financial year (2017-18) for grid connected rooftop solar power plant in Manipur and emphasized the importance for completion of the allocated target and also for allocation of more targets in the next year and asked all representatives to explain their strategy in order to achieve the target by March 2018.
 - i) M/s AARK Digital Private Ltd., Kolkata expressed about the transportation problem from Guwahati to Imphal though the materials already reached Guwahati and may take another 7-10 days to reach Imphal. Director informed that transportation from Guwahati to Imphal takes around 3-4 days and time frame for achievement of 30 kWp during three months is only few days left. Therefore, special attention is drawn for speedy implementation of the project from all the empanelled channel partners.
 - ii) M/s Achoubi Enterprises, New Checkon Road, Imphal East expressed his views on the slow process of signing of the PPA from MSPDCL and reduction of the tariff from Rs.5.35 to Rs. 3.73 effects a lot in the number of consumers interested in installation of GCRT though the materials already reached Imphal for implementation of the project.
 - iii) M/s TIN TIN Power LLP, Pishum Thong Ningom Leikai, Imphal West informed that he had started work for installation of 5 kWp at KVK Utluu but there is high voltage of about 256 V in the area. But, it was informed that 256 V can be manageable, even then, it shall be informed to MSPDCL for smooth operation of the power plant. Due to sudden drop of Solar tariff by JERC, many consumers have shown their reluctances in installation of GCRT in Manipur. He

also faced the delay in signing of the PPA by MSPDCL for 60 kWp capacity at Bethel High School, Nambol.

- iv) M/s Mangaal Sustainable Solutions Pvt. Ltd., Uripok Sorbon Thingel, Imphal West enquired about the procedures of implementation of GCRT adopted in other states. M/S KCS Solar Power Pvt. Ltd., New Delhi and M/s Dynamic Powers, Sonapat, Haryana expressed their views in respect of payment terms in the state of Arunachal Pradesh with rates of all channel partners made at par with L1. The 10% Security during Maintenance and Warrantee period is also requested to be in the custody of MANIREDA for safety in both the firm as well as the consumers with alternative arrangement of deposition of BG Bond etc.

Director informed that the matter was discussed at different levels before framing of the bid document and considering the type of rooftops in Manipur such as flat / elevated tin roof etc. it is bound to avoid fixing at the lowest quoted rates. He also explained the norms to be adopted if the payment is done through MANIREDA with imposition of 3% contingency and 11.75% Agency charges that may cause extra expenditure to the consumers and therefore, direct payment mode to consumers is opted and any defaulters from the Channel partners in performing shall be recovered from the Security Deposit of Rs. 3.00 lakhs .

- v) Member Secretary suggested opening an Escrow Account between the seller and the buyer of the solar energy in the case. This procedure was adopted in Social Welfare Department as well. In this procedure, MANIREDA can manage but cannot touch the account, it will be in between the firm and the consumers.
- vi) M/s Better Power Services Pvt. Ltd., Guwahati, Assam expressed his views with 30% beneficiaries share deposited to Assam Renewable Energy Development Agency (AEDA) and release to the firm as soon as the materials reach the sites. Director, MANIREDA clarified that due to limitations of time frame for implementation of the project till March 2018, the project may be completed with the payment terms already stated and shall take up after thorough discussion in the next phase. There is also question of who will bear the bank charge of managing Escrow Account.
- vii) M/s Shyama Enterprises, Bamon Leikai Mange Makhong, Imphal East put up the matter with delay of releasing subsidy part from MANIREDA as in the case of Jivan Hospital of 36 kWp capacity power plant. The completion was submitted and rectified as well, but subsidy was not released. Scientific Officer, MANIREDA clarified that installation was not proper from the side of M/s Shyama Enterprises. In different cases, earthing was incomplete, connection done through building structures, cabling was not done through PVC pipes, panels installed in uneven surface of the rooftops and hence the installation looks uneven, no RCC in every base of the structures, all cables in and around the inverters lying clumsy, found rust in the structures etc. For M/s TROM, Gujarat also in some sites, earthing was incomplete, AC cables was used from DCDB to Inverters etc. While implementation of the project, these necessary requirements need to be fulfilled, taking into consideration, the benefits of the consumers, the subsidy amount shall be released without delay as committed by Director, MANIREDA. Project completion report should be submitted after thorough checking. Dates of

placement of work orders mismatched with that of completion reports, date of commission not mentioned, total work order value mismatched in figures and words, photographs not enclosed properly for every sections and also should be in photopaper not in plain paper, project completion report to be submitted both in hard (three copies neatly compiled) and soft copies as well.


Director, MANIREDA instructed to all channel partners that depending on the submission of Project Completion Report, a joint post installation verification shall be conducted. If all the criteria of grid connected rooftop power plant are fully installed and satisfied by all the three parties viz. consumer, MANIREDA and the firm, the format for post installation verification shall be signed and if any section is missing during installation then, the next consumer shall be taken up and quality of the power plants cannot be compromised at any cost.

- viii) Director initiated to relax the process of releasing of subsidy within the system of MANIREDA but Chairman informed to discuss the matter separately after the meeting.
 - ix) M/s S.S. Electronics, Khurai Thangjam Leikai, Imphal East expressed the negative impact on consumers with reduction of nearly 30%tariff by JERC / MSPDCL. The firm have around 60 clients with approximate capacities of about 1 MWp capacity by 31st March 2018. Quality control goods for 25 years plan shall be utilised for the benefit of the power seller. But, the issue is the delay in process of the PPA by MSPDCL and reduction in Feed in Tariff.
 - x) M/s Sunshine Power Products Pvt. Ltd., Kolkata was informed to take up the installation work in the second phase else the firm shall be de-empanelled if not performed as in the case of first phase though empanelled as channel partner of MANIREDA. The firm has to confirm the local representative as well.
 - xi) M/s Relyon Solar Pvt. Ltd., Pune enquired about the type of inverters to be used of any brand approved for the programme by other firms and Director clarified that the inverters used should be of MNRE specified ones, satisfactory performance during the last 3-4 years, should have proper after sales service and replacement facilities within five days as well.
 - xii) M/s Havells India Ltd., Noida has initiated their ground work for installation of 30 kWp to be achieved at the earliest.
6. Lastly, though local clubs / organisations, temples, institutions, hospitals etc. are recorded as commercial consumers in MSPDCL, since MNRE covers subsidy of institutions / hospitals / public places registered under Societies Act, the consumers are eligible for MNRE's subsidy of 70% of the benchmark cost. In case of availing loan from the banks for grid connected rooftop solar power plants also, the consumers may approach the bank as it is eligible under MNRE's guidelines. In conclusion, it was decided that all pending works already installed by M/s Shyama, Imphal East and M/s TROM, Gujarat in the first phase should be completed within a time frame in order to avoid any complicitacies that may arise from the consumers' end in future.

After a threadbare discussion, the meeting resolved the following observations:

- a) For priority installations by consumers, MANIREDA may be informed by the Channel Partners in respect of signing of PPA with MSPDCL and MANIREDA shall extend support for speedy completion of the process.
- b) For every completion of installation of GCRT at the consumer's end, intimation may be made to MANIREDA by the channel partners through mail at email id manireda99@yahoo.com / babs_thangjam@yahoo.com.
- c) A joint inspection by a team of MANIREDA, Channel Partner and the Consumer shall be conducted as post installation verification. The format for post installation verification shall be available at the website www.manireda.com. If all the points as per the format mentioned are fulfilled, then the format shall be signed by all the three parties. Any deviation or compromise on any of the prescribed points in the format shall be treated as incomplete installation. In such case, the next consumer shall be taken up and the turn of the previous unsatisfactory installation shall be taken up only when the consumers in pipeline are completed.
- d) Project Completion Report (PCR) enclosing the post installation verification format duly signed, work order, MoA in between the firm and the consumer, Test certificates of panels, inverters, meters, etc. alongwith warrantee cards, photographs in photopaper etc., neatly compiled, should be submitted to MANIREDA both in hard (2 hard copies) and soft copies.
- e) If all the documents are complete in PCR, MANIREDA shall release the subsidy amount within 7-10 days from the date of submission of complete and correct PCR.
- f) In order to facilitate speedy release of capital subsidy, a separate Office Order will be issued with approval of the Authority of MANIREDA.
- g) Regarding charges in the FIT (Feed in Tariff) or fixation of new rates for GCRT, MANIREDA shall file application / counter application to JERC, Aizawl, as early as possible.

The meeting ended with thanks to the Chair.



(Ginsuanhau Zou),
Chairman, MANIREDA.

No.62/98/2017/RT/Pvt.(Firms)/MANIREDA:

Dated: 7/12/2017

Copy to:

1. Chief Secretary(Power)/ Vice Chairman, MANIREDA
- For information
2. Member Secretary, MANIREDA.
3. DFA, MANIREDA.
4. ACO, MANIREDA - for uploading to the website.
5. All the Channel Partners under GCRT.
6. Guard file.


(L. Manglem Singh)
Director, MANIREDA

LIST OF PARTICIPANTS IN THE MEETING ON GRID CONNECTED ROOFTOP SOLAR POWER PLANTS IN PRIVATE / COMMERCIAL / INDUSTRIAL SECTORS HELD ON 7TH DEC. 2017 AT 11.00 A.M. WITH CHAIRMAN, MANIREDA IN THE CHAIR.

Sl. No.	Name	Designation
1.	Ginsuanhau	Chairman, MANIREDA
2.	Jacintha Lazarus, IAS	Member Secretary, MANIREDA
3.	L. Manglem Singh	Director, MANIREDA
4.	Y. Kholchandra Singh	Sr. Scientific Officer
5.	Babita Thangjam	Scientific Officer
6.	Agha Janab Khan	Project Officer
7.	Suranjan Kar	Commercial Manager, AARK, Kolkata
8.	Naorem Romen Singh	Proprietor, M/s Achoubi Enterprises
9.	Albert Leishangthem	Jt. Director, M/s TIN TIN
10.	Moinul Haque	Project Incharge, M/s T&T Projects
11.	Soraisam Devakishor Singh	MD, M/s Mangaal Enterprises
12.	Radhakrishna Adhikari	Proprietor, M/s Shyama Enterprises
13.	S. Sharatchandra Singh	Proprietor, M/s SS Electronics
14.	Joydeep Acharya	Asst. Engineer, M/s Sunshine Power
15.	Girish Sharma	CEO, M/s KCS Solar
16.	Abhishek Jain	Director, Technical, M/s Dynamic Powers
17.	Indrakumar Ningombam	Representative, M/s Relyon Solar
18.	Pradipta Maiti	Head of Business Excellence, M/s Better Solar
19.	L. Prakash Singh	Engineer, M/s Better Solar
20.	B. Jamuna Devi	Project Officer, M/s TROM Solars
21.	Abhishek Jain	Representative M/s Havells India Pvt. Ltd.