



महाराष्ट्र ऊर्जा विकास अभिकरण (महाऊर्जा)

महाराष्ट्र शासनाची संस्था
पुणे विभागीय कार्यालय



Maharashtra Energy Development Agency (MEDA)

A Government of Maharashtra Institute
Divisional Office, Pune

२०२४/वि.का.पुणे/ सौर /कार्या-१/ सीआर-२३०-४/562

दि. ०७ जून २०२४

To,

Sub.:- Quotation for Installation and commissioning of Net Meter and allied works for 89 kW On Grid solar project installed at 100 Beds womens Hospital, Baramati, Pune

Dear Sir,

Maharashtra Energy Development Agency (MEDA), Pune is Govt. of Maharashtra (GoM) Institution working as a "Nodal Agency" for implementation of various schemes and solar related project in the State of Maharashtra. Division office MEDA Pune invites sealed quotations from reputed firms for work as mentioned in the scope of work.

❖ Scope of work

Sr. No.	Description of Material	Unit	Qty.	Rate in Rs.	Amount in Rs.
1	HT TOD Meter (For Main Metering) (11 KV/ 110V, 5A Class-0.2s ABT Type Special Energy Meter Having 4Q Import Export Energy Measurement Facility & Demand Integration Period of 15 Mins as per Latest Specification, KVAH	No	1.00		
2	11 KV CT, 25/5 A, 10 VA, 0.5s	No	3.00		
3	Generator Meter 40-200 A TOD LT Class 0.5 s	No	1.00		
4	LT Earthing with permanent rod and earthing powder	No	2.00		
5	Any other item required by MSEDCL to commission the system but not mention in above items.				
6	Grand Total (including all charges and taxes)				

(Note:- Bidder must note that Site visit is necessary and bidder must quote according to the need of the site condition)

(In Words: -----)

औंध रोड, स्प्यायसर कॉलेज समोर, पशुसंवर्धन आयुक्तालया शेजारी, औंध, पुणे - ४११ ००७.

Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Aundh, Pune - 411 007

Email : domedapune@mahaurja.com Web-site :www.mahaurja.com

A. Instructions for submitting quotation:

1. Quotation should be submitted including all taxes and all applicable expenditure. No any extra taxes/ payment will be done by Division office MEDA Pune.
2. Quotation should be submitted to Division office MEDA Pune upto **14th June 2024 till 5 P.M.** After due date & time no quotation will be considered.
3. Quotation should be submitted in self address sealed envelope & written name of work on right top corner of envelop. writing "Quotation for Installation and commissioning of Net Meter and allied works for 89 kW On Grid solar project installed at 100 Beds womens Hospital, Baramati, Pune"

B. General Instructions:

1. Work should be completed strictly as per regulations of concerned authorities like MSEDCL, CEI etc. and under the supervision of Division Office MEDA Pune.
2. Work should be carried out & completed within assigned days from the date of issue of the work order.
3. Division Office MEDA Pune will not be responsible for any loss occurred during execution of work.
4. For any disputes arising in this regard, decision of Divisional General Manager (Division Office, MEDA Pune) will be final.

C. Acceptance or Rejection of Bids

1. Divisional General Manager (Division Office, MEDA Pune) reserves the right to accept or reject any quotation or all the quotations and to annul the quotation process at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected bidder or bidders of the grounds for the said action.
2. Any quotation with incomplete information is liable for rejection.

D. Opening of sealed offers & finalization of Agency.

1. Quotations shall be opened in Division Office MEDA Pune on 18th June 2024 (11A.M) & vendor will be finalized on low cost basis. Shortlisted Agency will be intimated in due time for carrying out the work.


E. Terms of Payments

1. Payment will be made to vendor after 100% completion and commissioning of the system. Vendor will submit the invoice within a week to Division Office MEDA Pune as per quotation. Division Office MEDA Pune will scrutinize & accordingly payment will be made in reasonable time.
2. TDS whichever is applicable will be deducted by Division Office, MEDA Pune
3. No interest will be payable on the payment by Division Office, MEDA Pune
4. No any payment will be paid by Division Office MEDA Pune for incomplete & unsatisfactory work.
5. Penalty of 0.5% per week on total cost of work will be levied if work is delayed.

Thanking you.

Copy :- Notice Board

Yours Faithfully,


A.V. Kulkarni
Divisional General Manager
(Division Office, MEDA Pune)



Ref: SE/BRC/T/HT/Roof Top/24-25/ **017481**

Date: **22 APR 2024**

Sanction

To,
 M/s. Medical superintendent CL-1
 Plot No. 103, MIDC Baramati,
 Tal- Baramati, Dist. Pune.
 Consumer No-186849050860

Sub: - Sanction to Technical estimate for connectivity of Roof Top (Net Metering) to distribution network of MSEDCL, for installing 89 KWp Solar Power (PV) Project in r/o M/s. Medical superintendent CL-1, Plot No. 103, MIDC Baramati , Tq. Baramati , Dist-Pune. Cons. No. 186849050860 on 11 KV Voltage level

- Ref: - 1. Consumer Application Dtd.15.03.2024.Application ID- 54322704
 2. SE/BRC/T/HT/Solar Net Meter/1415 Dtd.26/03/2024.
 3. EE/Testing/Baramati/POS/Solar/826 Dtd. 02/04/2024.
 4. EE/BMT/T/AE-1/2166/ Dtd. 15/04/2024.
 5. Comm/CP/Solar-Net Metering/3051 Dt. 25/10/2016.
 6. Approved Office Note No: DyEE-V-Solar Power: 24-25 Date 19.04.2024.

Dear Sir,

Please refer your application mentioned above, where in you have requested for connectivity of Roof Top (Net Metering) to Distribution Network of MSEDCL, for new installing 89 KW Solar Power (PV) Project on existing HT connection (11KV), to your unit situated At- Plot No. 103, MIDC Baramati, Tal- Baramati, Dist. Pune In exercise of the powers delegated to company as per Electricity Act 2003, we are pleased to sanction New Roof Top (Solar Metering) connectivity for Govt. Public Sevices of 89 KW Connected Load.

The load sanctioned is as follows:

Load Details	Existing Connected load in KW	Existing MSEDCL Contract Demand in KVA	Proposed New Solar Roof Top Capacity KW
	322 KW	250 KVA	89 KW
Total	322 KW	250 KVA	89 KW

Proposed Equipment capacity(work Involved) :-

- 1) Main Meter :- 11kv/110 V, Class 0.5S ABT Type special Energy Meter Having Four Quadarant Import-Export Energy Measurement Facility & Demand Integration Period of 15 mnts as per Latest Msedcl specification
 CT Ratio :- 25/5A, 10VA, 0.5s, Existing 15/5 A,10 VA,0.5 to replace (Ref. letter no. 3)
 PT Ratio :- 11KV/110V, 0.2, 50VA, Existing No Change (Ref. letter no. 3)
- 2) Generator Meter:-
 LT Meter 40-200 A as per latest specification of MESDCL,

The undersigned has accorded approval for the sanction of power supply as above subject to the following conditions and shall be released after compliance of the said conditions, wherever necessary.

1) Terms and Condition for Approval:

1. Eligibility:

The Roof-top Solar PV System meets the applicable norms for being integrated into the Distribution Network and that the Eligible Consumer shall maintain the System accordingly for the duration of this Agreement.

2. Technical and Inter-connection Requirements:

2.1. The metering arrangement and the inter-connection of the Roof-top Solar PV System with the Network of the Licensee shall be as per the provisions of the Net Metering Regulations and the technical standards and norms specified by the Central Electricity Authority for connectivity of distributed generation resources and for the installation and operation of meters.

2.2. The Eligible Consumer agrees, that he shall install, prior to connection of the Roof-top Solar PV System to the Network of the Licensee, an isolation device (both automatic and in built within inverter and external manual relays); and the Licensee shall have access to it if required for the repair and maintenance of the Distribution Network.

2.3. The Licensee shall specify the interface/inter-connection point and metering point.

2.4. The Eligible Consumer shall furnish all relevant data, such as voltage, frequency, Circuit breaker, isolator position in his System, as and when required by the Licensee.

3. Safety:

3.1 The equipment connected to the Licensee's Distribution System shall be compliant with relevant International (IEEE/IEC) or Indian Standards (BIS), as the case may be, and the installation of electrical equipment shall comply with the requirements specified by the Central Electricity Authority regarding safety and electricity supply.

3.2 The design, installation, maintenance and operation of the Roof-top Solar PV System shall be undertaken in a manner conducive to the safety of the Roof-top Solar PV System as well as the Licensee's Network.

3.3 If, at any time, the Licensee determines that the Eligible Consumer's Roof-top Solar PV System is causing or may cause damage to and/or results in the Licensee's other consumers or its assets, the Eligible Consumer shall disconnect the Roof-top Solar PV System from the distribution Network upon direction from the Licensee, and shall undertake corrective measures at his own expense prior to re-connection.

3.4 The Licensee shall not be responsible for any accident resulting in injury to human beings or animals or damage to property that may occur due to back-feeding from the Roof-top Solar PV System when the grid supply is off. The Licensee may disconnect the installation at any time in the event of such exigencies to prevent Such accident.

4. Other Clearances and Approvals:

The Eligible Consumer shall obtain any statutory approvals and clearances that may be required, such as from the Electrical Inspector or the municipal or other authorities, before connecting the Roof-top Solar PV System to the distribution Network.

5. Period of Agreement, and Termination:

This Agreement shall be for a period for 20 years, but may be terminated prematurely

(a) By mutual consent; or

(b) By the Eligible Consumer, by giving 30 days' notice to the Licensee;

(c) By the Licensee, by giving 30 days' notice, if the Eligible Consumer breaches any terms of this Agreement or the provisions of the Net Metering Regulations and does not remedy such breach within 30 days, or such other reasonable period as may be provided, of receiving notice of such breach, or for any other valid reason communicated by the Licensee in writing.

6. Access and Disconnection:

6.1. The Eligible Consumer shall provide access to the Licensee to the metering equipment and disconnecting devices of Roof-top Solar PV System, both automatic and manual, by the Eligible Consumer.

6.2. If, in an emergent or outage situation, the Licensee cannot access the disconnecting devices of the Roof-top Solar PV System, both automatic and manual, it may disconnect power supply to the premises.

6.3 Upon termination of this Agreement under Clause 5, the Eligible Consumer shall disconnect the Roof-top Solar PV System forthwith from the Network of the Licensee.

7. Liabilities:

7.1. The Parties shall indemnify each other for damages or adverse effects of either Party's negligence or misconduct during the installation of the Roof-top Solar PV System, connectivity with the distribution Network and operation of the System.

7.2. The Parties shall not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or goodwill, or for indirect, consequential, incidental or special damages including, but not limited to, punitive or exemplary damages, whether any of these liabilities, losses or damages arise in Contract, or otherwise.

8. Commercial Settlement:

8.1. The commercial settlements under this Agreement shall be in accordance with the Net Metering Regulations.

8.2. The Licensee shall not be liable to compensate the Eligible Consumer if his Rooftop Solar PV System is unable to inject surplus power generated into the Licensee's Network on account of failure of power supply in the grid/Network.

8.3. The existing metering System, if not in accordance with the Net Metering Regulations, shall be replaced by a bi-directional meter (whole current/CT operated) or a pair of meters (as per the definition of 'Net Meter' in the Regulations), and a separate generation meter may be provided to measure Solar power generation. The bi-directional meter (whole current/CT operated) or pair of meters shall be installed at the inter-connection point to the Licensee's Network for recording export and import of energy.

8.4. The uni-directional and bi-directional or pair of meters shall be fixed in separate meter boxes in the same proximity.

8.5. The Licensee shall issue monthly electricity bill for the net metered energy on the scheduled date of meter reading. If the exported energy exceeds the imported energy, the Licensee shall show the net energy exported as credited Units of electricity as specified in the Net Metering Regulations, 2015. If the exported energy is less than the imported energy, the Eligible Consumer shall pay the Distribution Licensee for the net energy imported at the prevailing tariff approved by the Commission for the consumer category to which he belongs.

9. Connection Costs:

The Eligible Consumer shall bear all costs related to the setting up of the Roof-top Solar PV System, excluding the Net Metering Arrangement costs.

10. Dispute Resolution:

10.1 Any dispute arising under this Agreement shall be resolved promptly, in good faith and in an equitable manner by both the Parties.

10.2 The Eligible Consumer shall have recourse to the concerned Consumer Grievance Redressal Forum constituted under the relevant Regulations in respect of any grievance regarding billing which has not been redressed by the Licensee.

- a) As per your request, the undersigned has approved new Roof Top (Solar Metering) sanction to connected load of **322 KW** & Solar installation of **89 KW** on existing HT connection on **11 KV** voltage level.
- b) The CT ratio of Main metering shall be commensurate to the sanctioned load i.e. **25/5A**. (Ref. 3)
- c) You shall pay the Service Connection Charges, etc., as may be payable in accordance with existing provisions, prior to release of the additional load.
- d) All statutory clearances/approval as may be necessary shall be obtained by you from difference concerned Authorities, including the Chief Engineer (Electrical), P.W. Department, and Government of Maharashtra before release of new / additional load.
- e) You shall also abide to pay any other charges as may be liable for this sanction (including the S.L.C.) as may be decided by the Competent Quasi-Judicial/ Judicial or any other Statutory Authority.
- f) Any increase or any additional expenditure if any, for any reason will be borne totally by you (consumer).
- g) You have to shift any existing HT/LT line and DTC, outside this proposed site/ premises with your own cost before release of this load and Old removed material should be credited to MSEDCL Baramati division office custody.
- h) All the statutory permission, NOC etc. will have to be arranged by you (Consumer) prior to release of this new load.

You will have to give an undertaking /affidavit on Rs.200/- stamp paper for the above conditions before release of power supply.

2) VALIDITY:

The sanction as above shall be valid for a period of six months from the date of issue of this letter. You should ensure to make all necessary payments and should also make all other arrangement, to receive power within the validity period.

You will have to avail the supply within three months on the intimation about Company's ready give power supply to you, failing which you shall be liable to pay charges as per rule.

The Company reserves the right to revalidate the power sanction subject to the conditions prevailing at the time of revalidation.

3) PAYMENTS: Please arrange for making the payment as detailed below

1) 1.3% Supervision of Service Connection Charges	Rs.	0.00
2) 1.3% Supervision charges of dedicated work	Rs.	3567.00
3) Processing & Registration Charges	Rs.	5000.00
4) Agreement Fee	Rs.	420.00
5) CT (3 nos.) Testing Charges	Rs.	9000.00
6) 3 Nos. Meter Testing Charges (Net Meter 1Nos. + Generator Meter 1No.)	Rs.	2200.00
7) 18% GST	Rs.	3558.00
9) Total amount		23745.00

Rs. Twenty Three Thousand Seven Hundred Forty Five Only.

The amount shown above is payable by the applicant at this office by a DD payable to MSEDCL.

4) SUPPLY VOLTAGE: This proposed load of 322 KW Connected Load with 250 KVA contract demand and 89 KW Solar Roof Top Capacity will be supplied on 11KV/415V voltage level.

5) INSTALLATION: The installation/drawing arrangement for power supply shall be subject to the approval of concerned Electrical Inspector, Public Works Department, and Government of Maharashtra. Installed capacity of the transformer suggested shall not be more than 300 KVA. [Level-2, Energy Efficient transformers IS-1180 (Part-1):2014]

6) SUBMISSION OF DOCUMENTS: You shall submit following permissions /no Objection certificates/other documents (as per applicability) before release of supply: (As applicable from following).

(1) Technical specifications / Drawing showing of Solar Panel, Inverter and transformer details, cable to be used etc. (2) Undertaking to Carry out Work under 1.3% SC on Rs 200.00 stamp Paper. (3) Contractor appointment letter and his license copy. (4) Undertaking regarding compliances of point (if any) raised by testing department. (5) Undertaking on Rs. 200/- stamp for acceptance of general condition (6) All original documents for verification and all photocopies should be attested. (7) All types of approvals, permission and NOC, from EI Pune, Local Body etc. certificates has required before charging of new installation (8) Installation drawing duly approved by Electrical Inspector Pune along with plan approval. (9) Undertaking regarding submission of Local body NOC, and remaining documents.

7) METERING: The metering shall be according to the specification as may be provided by The Executive Engineer, Rural Testing Division, Baramati. (Ref. no 3)

8) POWER FACTOR: You shall maintain the power factor of your load within the limits as prescribed by the MSEDCL in conditions of supply, as may be applicable from time to time and you shall be liable for penalty for violation of the said provisions in accordance with the provision of tariff as may be determined by MERC.

9) HARMONICS CONTROL: You shall ensure that total harmonics generated and injected in MSEDCL/MSEDCL system by your load shall not be more than 3% and individual harmonics shall not be more than 1%. Any default on your part shall be corrected immediately. You will have to submit the harmonics analysis report within 3 (three) month from the date of release of additional load.

10) VOLTAGE VARIATION CONTROL: You shall provide necessary static 'VAR SOURCES' of fast response to avoid voltage flickering due to your load and shall maintain voltage variation within +/- 1%.

11) AGREEMENT: You will have to enter into agreement with MSEDCL.

12) CONDITIONS OF SUPPLY AND TARIFF: The power supply shall be governed by the prevailing provisions of the MSEDCL's Conditions of supply & prevailing tariff as may be applicable in this regard and shall further be subject to such other provisions as may be prescribed by the MSEDCL from time to time.

13) G-7 FORM: You shall maintain necessary information regarding energy consumption, Maximum Demand recorded etc. on a day to day basis in the format as prescribed by the MSEDCL and shall produce the same on

demand/shall handover to every month to authorized representative of the MSEDCL at the time of meter reading.

14) **POWER RESTRICTION:** The power supply shall be governed by the load restrictions orders as may be prescribed by MERC/ Government of Maharashtra from time to time. You shall also observe & follow the staggering Holiday/Load Shedding day as informed to you

15) **ACCEPTANCE:** You shall submit your acceptance in writing to the above terms & conditions of power supply and acceptance letter, to this office, In case of any doubt/difficulty, or if any clarification is required, you may contact to this office on any working day during working hour.

In accordance with the delegation of power as per G. O. 2 Sr.No. 1(E) (v), the above referred estimate is technically sanction for Rs. 213321.00/- & 1.3 % S.C. amount Rs. 2773.00 /-under 1.3 % DDF vide TSE No. SE/BRC/T/HT/BMT/1.3%S.C./DDF/Room Top/ 09 /24-25 Dtd. 22.04.2024

You are requested to note the requirements/formalities carefully and arrange to comply, deficiencies, if any, before making payment in your own interest so as to avoid any inconvenience/delay at the time of release of power supply to you and ensure prompt payment to enable MSEDCL to proceed further.

Thanking you,

Yours faithfully,


(Chandrashekhar Patil)
Superintending Engineer (BRC)
M. S. E. D. C. L.
Baramati Rural Circle, Baramati.

Copy Swrs to

> The Chief Engineer, MSEDCL (Baramati) -----For Kind Information.

Copy to,

The Executive Engineer MSEDCL, O&M Division, Baramati ... With reference to the proposal submitted by you along with the applicant's letter of request to permit to execute the work for connectivity of Roof Top (Net Metering) to distribution network of MSEDCL, 67 KW Solar Power (PV) Project in r/o M/s. Medical superintendent CL-1, Plot No. 103, MIDC Baramati, Tq. Baramati, Dist-Pune. Cons. No. 186849050860 on 11 KV Voltage level, By replacement of existing Main Meter by Net Meter having specification, 11KV/110V, -/5 A, Class 0.2s ABT Type Special Energy Meter having Four Quadrant Import-export Energy Measurement Facility and Demand Integration Period of 15 Mins., KVAH billing and with AMR (MODEM); 1 No. of Generator Meter of Capacity 40-200 A.

The permission is granted to execute the work subject to the following conditions.

- The work shall be started after payment of amount mentioned in clause no 2.
- The work has to be carried out by Licensed Electrical Contractor as per the MSEDCL's standard method of construction and under the supervision of our representative.
- The Material and equipment required to be purchased for the work must be as per the MSEDCL's approved specification and it should be got approved from you.
- The evidence of purchase of required material will have to be submitted to this office after verification.
- In case of material, the guarantee should be given for five years from the date of commissioning of the works.
- All the old removed material should be taken to your custody.
- The required permission from Electrical Inspector and other Authorities for energizing the Electrical Works should be taken.

- h) After completion of work, the entire line installation is to be handed over to MSEDCL, with reservation/claims, by presenting "Handing over Note" on Rs. 200/- stamp paper in MSEDCL's form your office. The asset shall be taken to asset register & certificate along with WCR & JV should be submitted to this office.
- i) In case of dispute, the decision of the undersigned will be final. The validity of this sanction is for 90 days from the date of issue of this sanction.

The work should be taken in hand after observing all formalities as per rules and only after verification of all documents including land owners consent to pay dues if any after lease period. If the work carried out is excess than the proposed, additional cost should be recovered and the same should be communicated to this office. The tariff of construction meter should be confirmed and bills due, arrears if any of existing connections should be recovered before release of power supply. It should be observed that there is no other connection in these premises. Connection should be released on production of local NOC. WCR should be submitted promptly and strictly as per actual usage of material.

- The Executive Engineer, MSEDCL, Testing Division, Baramati.
- The Manager (F & A), (BRC), Baramati.
- The Addl. Executive Engineer, O&M S/Dn, Baramati U.

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

BARAMATI RURAL CIRCLE, BARAMATI

Technical estimate for connectivity of Roof Top (Net Metering) to distribution network of MSEDCL, for installing 89 KWp Solar Power (PV) Project in r/o M/s. Medical superintendent CL-1, Plot No. 103, MIDC Baramati, Tq. Baramati, Dist-Pune. Cons. No. 186849050800 on 11 KV Voltage level.

Ref: 1) EE/BMT/TAE-1/2188 Dtd. 15/04/2024 2) EE/Testing/Baramati/POS/Solar/826 Dtd. 02/04/2024

Load :- Connected Load : 322 KW
 Contract Demand : 250 KVA
 Solar RT Capacity : 89 KWp

Scheme : DDF (Work to be executed by consumer)

Sr. No.	Description of Material	Unit	Qty	Rate in Rs.	Amount in Rs.
1	HT TOD Meter (For Main Metering) (11KV/110V, -75A, Class-0.2s ABT Type Special Energy Meter Having 4Q Import Export Energy Measurement Facility & Demand Integration Period of 15 Mins as per Latest Specification, KVAH	No.	1.00	125000.00	125000.00
2	11KV CT, 25/5 A, 10 VA, 0.5S	No.	3.00	15000.00	45000.00
3	Generator Meter 40-200 A TOD LT Class 0.5 s	No.	1.00	14200.00	14200.00
4	LT Earthing with permanent rod and earthing powder	No.	2.00	6500.00	13000.00
5	Sundries	LS	1.00	5000.00	5000.00
A	Total Material Cost A (Say)				202200.00
B	Erection Charges (Labour)	15.00%			30330.00
C	Civil Works				0.00
D	Total Estimate Cost (with out GST)				232530.00
E	GST 18%	18.00%			41855.40
F	Sub Total - I Say				274385.40 274386.00
G	1.3% Supervision Charges (on Total Material + Labour + GST)	1.30%			3567.01
H	GST 18%	18.00%			642.06
I	Total Supervision Charges (Including GST)				4209.07
	Total 1.3 % of Supervision charges		Say		4210.00

19/04
 Dy Executive Engineer - V
 Baramati Rural Circle, Baramati.

Manager (F&A)
 Manager (F&A)
 Baramati Rural Circle, Baramati.

Executive Engineer (Admn)
 Executive Engineer (Admn)
 Baramati Rural Circle, Baramati.

Superintending Engineer
 Baramati Rural Circle, Baramati.