

CORRIGENDUM-5

Tender Notice No: PC-04/2018

NAME OF WORK: Tender For Appointment of Implementing Agency/Contractor Firm for Supply, Installation, Commissioning and Comprehensive maintenance for five years during guarantee period of Solar Roof Top system at GNLU Campus on Turnkey Basis.

In response to the queries raised during the Pre-Bid meeting, held on March 17, 2018, with prospective bidders followed by necessary discussion with the concerned stakeholders, kindly consider the following corrigendum.

Sr. No.	Event Description	Date
1	On line (e-tendering) tender /offer submission last date up to 16.00 hours only	April 12, 2018
2	Physical submission of all the relevant documents, last date up to 16.00 hours by RPAD or SPEED POST only	April 17, 2018
3	Tentative Date of opening of Tender fee, EMD cover physical as well as on-line opening at 11.00 Hours. (Primary Stage)	April 19, 2018
4	Tentative Date of opening of Technical Bids.	April 26, 2018

1. Earnest Money Deposit (EMD) & Security Deposit (SD)

Earnest Money Deposit (EMD) - The Bidder has to submit 1% of the tender estimated value of the project cost as Earnest Money Deposit amounting to Rs. 1, 52,770/- along with the tender documents.

Security Deposit (SD) - The successful Bidder has to submit 10% of the tender estimated value of the project cost amounting to Rs. 15, 27,700/- as Security Deposit in the form of Demand Draft/Bank Guarantee of any of the nationalized bank.

The Earnest Money Deposit of the un-successful Bidder will be released after acceptance of the Order by the successful Bidder.

The Security Deposit of the successful Bidder will be released after successful commissioning of the project and certification by the Consultant/third party, and upon submission of Performance Bank Guarantee (10% of the project cost).

2. The phrase “OR minimum 180 KW aggregate” is deleted in Clause No. 9.1 (1), 13.2 & 13.3.1.

3. **Clause 16.5 (Page 73)** - The Bidder has to ensure wind speed as per IS 875 latest edition to be used for Gandhinagar region.
4. The Security Deposit will be returned on successful completion of the installation and commissioning of all the ordered system. After 1 month from the date of Commissioning, Performance Ratio (PR) Test will conducted (as per IEC 61724 – latest edition). Upon successful completion of PR Test, the Performance Bank Guarantee of 10% of value of order shall be converted into O&M Bank Guarantee which shall be valid for 5 years. Due to an extended nature of the O&M Bank Guarantee, the Contractor is allowed to provide O&M Bank Guarantees of not less than one (1) year and renew the same each year. However, the Contractor shall renew the O&M Bank Guarantee at least one month before the expiry of the validity failing which GNLU will be at liberty to encash the same. In case the O&M Bank Guarantee is encashed due to any penalty then the Contractor has to replenish within 20 days the O&M Bank Guarantee for the remaining period. The O&M Period shall start after completion of PR Test. In the O&M Period, if the Plant fails to meet the NEEGG quoted by the Contractor shall be charged a penalty of Rs. 7/ kWh which shall be deducted from any pending payment or O&M Bank Guarantee. E.g. In year-1 if the contractor generates 4, 46,000 units, the shortfall of 760 units i.e. difference of 4, 46,760 and 4, 46,000, will be multiplied with Rs. 7.
5. **Performance Guarantee Parameter** - The bidder will have to demonstrate Capacity utilization factor of minimum 17% annually in the first year. The generation shall be as follows for the 10 years.

Table -1

Year	Guaranteed Generation (kWh)
Year-1	4,46,760.00
Year-2	4,33,357.20
Year-3	4,29,565.32
Year-4	4,25,806.63
Year-5	4,22,080.82
Year-6	4,18,387.61
Year-7	4,14,726.72
Year-8	4,11,097.86
Year-9	4,07,500.76
Year-10	4,03,935.12

The reference irradiance for minimum CUF/Energy Generation (as mentioned in Table -1) is specified below. In case of any change in the GHI value (as mentioned in Table-2) for any particular year the minimum CUF/Energy Generation shall be calculated on a pro-rata basis.

Table -2

Reference GHI	kWh/Sq.mtr
January	139
February	143
March	185
April	192
May	204

June	178
July	147
August	139
September	154
October	159
November	136
December	129
Total	1905

6. **Structural Material [Clause 16.5 (Page 73-74)]** - The array structure shall be made of hot dipped galvanized MS angles of suitable size subject to withstand the wind load as per IS 875 latest edition to be used for Gandhinagar region with (minimum 80 micron thickness of galvanization).
7. **Module weight and Structure [Clause 16.5 (Page 74)]** - The wind speed be as per IS 875 (with 10% safety margin), latest edition to be used for Gandhinagar region.
8. **Clause 16.9 (Page 77)** - The Size of interconnection for modules and from modules to inverter shall be so selected that loss would not be more than 2%.
9. **DC Combine Box [Clause 16.7 (Page 75)]** - AC side to DC side must have dedicated SPD class-2.
10. **Clause 16.11 (Page 79)** - The electrode size should be as per IS 3043 considering fault current and Earth resistivity test results. **Alternatively maintenance free chemical with copper electrode earth pits are also permitted.**
11. **Clause 16.11 (Page 80)** - The Solar generation shall be interconnected as per the "Regulations for Net Metering Rooftop Solar PV Grid Interactive Systems" Notification No. 5/2016 of the Gujarat Electricity Regulatory Commission.

Solar power from rooftop should be permitted to be connected in the LT panel of same building. Solar meter (MFM) to be installed before the LT panel and to be sealed by DisCom. Main meter of GNLU to be changed with ABT meter.

12. The GNLU will provide Water and Power supply during installation and commissioning as well as O&M period, subject to reasonable usage as well as availability of the water.