



**SUPPLY, INSTALLATION, TESTING, COMMISSIONING & MAINTENANCE OF ON GRID 484kWp ROOFTOP SOLAR PHOTO VOLTAIC POWER PLANT AT VARIOUS BANK OWNED PREMISES IN DELHI NCR.**

Replies to the queries raised during Pre bid meeting conducted on 27/04/2022 at 03:00 PM

Sl No	Page No	Tender Clause No	Tender Clause	Query	Reply
1	44 of 98	30.1 Payment Terms:	ii). No mobilization advance amount will be paid to the firms. Payments to the contractor will be regulated as below: a) 65 % of the cost of equipments against supply / delivery of equipments at site, duly unpacked and supported by necessary documents / test certificates etc, and certification of Engineer in charge. b) 30 % upon installation, commissioning and upon handing over of the solar power plant after successful testing & commissioning at site. c) 5% at the end of the warranty period of 1 year; this can be released against Bank guarantee for equivalent amount in favour of the Bank for the warranty period in approved Bank's format.	Request to revise the payment terms as follows:  1. 10% Advance Payment.(We will provide BG for 10% Payment). 2. 50% on against material receipt on site. 3. 30% on against Erection, Installation of the Solar Power Plant. 4. 10% payment will be made on satisfactory commissioning.	Tender clause remains the same
2	3 of 98	3). TIME OF COMPLETION:	60 days from the 14th day from the date of work order issued by the Bank including mobilization period	Request to amend Completion period as 120 days.	Tender clause remains the same
3	91 of 98	B) COMPREHENSIVE ANNUAL MAINTENANCE (CAM) (after the defect liability period)	4. The Comprehensive Annual Maintenance Charges shall be paid once in six months in advance subject to satisfactory maintenance for the period of previous one year and on production of Bank guarantee equivalent to the amount paid in advance.	Request to revise as:  The Comprehensive Annual Maintenance Charges shall be paid once in three months in advance subject to satisfactory maintenance of previous quarter.	Tender clause remains the same

4	71 of 98	SCOPE OF WORK:	In case of grid failure, the standby inverter shall create a captive grid and SPV power keeps feeding to this captive grid.	As per tender, On grid Inverter is required. If power grid failure, On grid inverter will automatically turn off. Kindly confirm Inverter is Hybrid Inverter or Grid Tie Inverter.	Tender clause remains the same
5	80 of 98	10. DC Distribution Board (DCDB)	The bus bars shall be made of copper of desired size. Suitable capacity MCBs along with necessary surge arrestors shall be provided for controlling the DC power output to the PCU/Inverter.	On grid is Inverter will have Inbuilt isolators. So don't need additional MCB's. Hence Kindly remove DCDB Clause.	Tender clause remains the same
6	80 of 98	11. Cables and Accessories	Cables should be FRLS PVC insulated Copper Conductor armoured Cables of 1100 V	Request to consider DC cables as copper material and AC cables as Aluminium material.	<b>Modified as:</b> Copper tin wire should be used from inverter to module & all other Cables should be FRLS PVC insulated Copper Conductor armoured Cables of 1100 V
7	81 of 98	Lightning protection	There shall be the required number of suitable lightning arrestors (ESE) installed in the array area.	As plant capacities are smaller, we can use conventional type Lightning Arrestors instead of ESE type. Hence kindly remove ESE type and consider Conventional type Lightning Arrestors.	<b>Modified as:</b> It will be decide on case to case basis.
8	74 of 98	2. Module Mounting Structure	The array structure shall be made of hot dip galvanized MS angles/anodized aluminum of size not less than 50 mm x 50 mm x 6 mm size. The minimum thickness of galvanization shall be at least 80 microns.	Request to consider Pre galvanized sheet metal.	Tender clause remains the same
9	77 of 98	4. Grid Interactive Inverter/PCU	xx. The system shall be capable of automatic operation with automatic wake-up in the morning and providing supply to the load after synchronizing with Grid/DG supply.	Kindly confirm Reverse Power Flow Relay is required or not.	Tender clause remains the same
10	07 of 98	Sr no 01 of Criteria for qualification	The tenderer should have minimum 5 years experience in the field of solar power plants as system integrator prior to 31/03/2021	Request to considered work experience upto 31/03/2022 instead of 31/03/2021	<b>Modified as :</b> The tenderer should have minimum 5 years experience in the field of solar power plants as system integrator

					prior to 31/03/2022
11	07 of 98	Sr no 05 of Criteria for qualification	The firm should have Service setup at Delhi	service setup can be in DELHI NCR	<b>Modified as :</b> The firm should have service setup at Delhi NCR
12	71 of 98	Point no 03 of Schedule C	In case of grid failure, the standby inverter shall create a captive grid and SPV power keeps feeding to this captive grid.	Request to clarify in case of grid failure, the standby inverter shall create a captive grid and SPV power keeps feeding to this captive grid.	<b>Modified as:</b> Since we proposed to install ON GRID roof top photo voltaic power plant so this clause may be deleted.
13	71 of 98	Point no 06 of Schedule C	System should be provided free module level monitoring for 25 years	Request to clarify if module level monitoring required or not	<b>Modified as :</b> System should be provided with remote monitoring facility upto string level
14	83 of 98	Annual generation guarantee	Calculated on the basis of average 04 KWH per KWp installed for 365 days	Solar generation shall not be calculated on 365 days but as per MNRE & Govt. Policy	<b>Modified as :</b> Calculated on the basis of average 04 KWH per KWp installed for 320 days

Date: 29/04/2022

SD/-  
 ASSISTANT GENERAL MANAGER

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