

PROPOSED BOQ FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 40 KWp ON-GRID SOLAR POWER PLANT & ALLIED WORKS AND 5 YEARS COMPREHENSIVE AMC AT RBO KHANDWA

PRICE BID

Sl. No.	Description of Items	Qty	Unit	Rates	Amount
1	<p>Supply, Installation, testing and commissioning of 40 KWp solar rooftop power plant (Topcon, N-type, bifacial, Mono PERC half-cut technology, framed dual glass 580+ watt) and its allied civil/fabrication works of elevated structure, net metering with DISCOM as per technical terms & condition of the tender complete in all respect.</p> <p>Short Details of work:-</p> <p>1. Elevated structure/superstructure to be made at site with minimum height of 7 feet at one side and other is more than it around 9 to 10 feet according to site condition with all necessary technical specification and terms, condition of tender documents and withstand heavy wind pressure as mentioned in tender.</p> <p>2. Vendor shall carry out all the tasks such as cleaning/ scratching/ roughening/ smoothening etc required to prepare the floor for effective bonding with the concrete pedestal of the module mounting structures (MMS). Foundation that is Concrete pedestal for the MMS structures shall be of 300X300X300mm @ ratio 1:2:4 concrete mix as per IS: 456. Two-part epoxy compound (NITO Bond Epoxy Resin Bonding agent) shall be applied between the floor and pedestal surfaces to facilitate effecting bonding.</p> <p>3. For Elevated Structure Hot dip galvanized poles to be used adhering to IS standards. The thickness of galvanization should be minimum of 90 microns. All the nuts, bolts are made of good quality Stainless Steel (SS 304). Space must be provided in between rows for proper maintenance and cleaning.</p> <p>4. AC DBs, DC DBs, Surge Protector, MPPT, Earthing as per Tender, Lightning arrester, AC cable, DC cable, Cable try, MCCB, CT PT meter, CO2 fire extinguisher etc pertain to solar works as per IS code , IE rules & CPWD 2025 norms, All required permission to be obtain from local DISCOM and Electrical Safety Department, M.P. Govt, Bhopal.</p> <p>5. Before installation, all drawing/layout plan to be submitted to this office for necessary approval.</p> <p>6. All waterproofing work to be executed before & after solar panel installation pertain to work, so that no leakage/seepage to be happen in future, otherwise vendor is responsible of further rectification.</p> <p>7. Payment to be made after receiving of one month generation report & export solar credit in DISCOM Bill</p> <p>8.Each structure will have a provision to adjust its angle of inclination to the horizontal as per the site condition and will be capable of withstanding a wind load of 150 Km/hr after grouting and installation. The vendor has to submit the installation drawings approved by the registered structural engineer that designed structure and grouting method is capable of withstanding a wind pressure of 150 Km/hr.</p> <p>9. Additional Security deposit (ASD)/Additional performance Guarantee (APG) shall be applicable if the bid price is below 10.00 % of the estimated cost put to tender as per tender condition.</p> <p>Make of PV panels:- Adani/Waaree/Tata Power Solar/ Vikram Solar/ Renewsys or as per tender make- 30 years performance (output) warranty</p> <p>Make of Solar Inverter:- Sungrow/Growatt/Waaree/Solis/Polycab or as per tender make- 5 Years warranty</p>	1	Nos		
Part A	Part 'A'				
2	Fully Comprehensive Annual Maintenance Contract (CAMC)(PART- 'B') :- Rates to be quoted by the Agency/contractor for fully comprehensive AMC inclusive of all (PV Module, Inverter, AC Combiner box, Connectors MC4, Electrical panels, civil & other fabrication works after the defect liability period of one year.				
2.1	For 1st Year amount without GST , fully comprehensive AMC of above Solar System after the Defect liability period of one year.	1	Nos		
2.1	For 2nd Year amount	1	Nos		
2.3	For 3rd Year amount	1	Nos		
2.4	For 4th Year amount	1	Nos		
2.5	For 5th Year amount	1	Nos		
Part 'B' CAMC amount for 5 years (2.1 +2.2 + 2.3 + 2.4+ 2.5)					
GRAND TOTAL (PART-'A' + PART' B')					
Note:- (To arrive L-1 vendor, cost of solar work and its CAMC will be considered)					

GST to be paid additionally