



LIFE INSURANCE CORPORATION OF INDIA

ENGINEERING DEPARTMENT

WESTERN ZONAL OFFICE.



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ENGINEERING DEPARTMENT

Western Zonal Office,

'Yogakshema' West Wing, 1st floor,

Jeevan Bima Marg,

Mumbai - 400 021.

FINACIAL BID - III

**e-TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING
OF 150KWp (50KWp + 50KWp +50KWp) OF GRID INTERACTIVE ROOF
TOP SOLAR POWER PLANT DO SATARA.**

NAME OF THE WORK: e-TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 150KWp (50KWp + 50KWp +50KWp) OF GRID INTERACTIVE ROOF TOP SOLAR POWER PLANT DO SATARA.

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PART : A (SITC)

S.N o	Item Description	Qty .	Unit	Rate in figures and words	Amount (Rs)
Part - A	Design, Manufacture, supply, installation, testing and commissioning :				
1	Design, Manufacture, supply, installation, testing and commissioning of 150 KWp (50KWp + 50KWp +50KWp) Grid interactive On-grid SPV solar power plant without battery at DIVISONAL OFFICE BUILDING - SATARA as per the specifications mentioned in the technical bid. Rate should be inclusive of all accessories like SPV panels, PCU, Array boxes, HT control panel, mounting structure,Lightening arrestors, 4 Nos Earth pits, along with suitable size copper strip ,Internal cabling, Data monitoring with suitable SIM card for 2 year validity for net connection of monitoring the Solar data etc., No any other extra charges will be paid for ancillary works. The rate is inclusive of internal /external suitable size armoured cables switch gear upto HT net metering etc., Obtaining all necessary permission from local and Government authorities to set up the grid connected power plant and synchronization etc on behalf of Life Insurance Corporation of India. In addition, rendering all services & follow up with concerned authority to get approvals/sanctions with respect to net metering/otherwise and for subsidy on Solar Power generating system as applicable. Power Purchasing Agreement (PPA) to obtain for new solar plant from local electricity authority. LIC will reimburse the any official fees paid by the contractors on production of receipts	01	SET		

	Providing and fixing Elevated Structure upto suitable Height based on the shadow analysis to get optimum use of solar energy to generate Electricity as MNRE Standards and Maintain terrace properly. The minimum height at low height side shall be 314mm rested on suitable concrete pedestal and appropriate Height a to the rside for installation of solar panels for 150 KWp (50KWp + 50KWp +50KWp) roof top solar power generation system. The elevated module mounting structure shall be made of HOT Dip Galvanized MS Mounting structure to be used for mounting solar Modules/panels /Arrays. Each structure shall have angle of inclination to take maximum isolation. The structure shall be designed to with stand wind pressure of 150 KM per Hour. The work shall be carried out as per specifications Give in the technical bid. The installation shall be carried out without causing damage to water proofing membrane.				
	Supply and installation of Weather proof Vermin proof HT Net Metering panel with 3 CT 3 PTs for three phase 4 -wire if required metering with transparent cover TTB with suitable copper bus bar (HT metering box fabricated out of 3mm MS Sheet duly epoxy powder coated) as per specification and requirement of local electricity supply authority and compatible for supply & fixing grid interactive Trivector meter (Net Meter) with check meters (NET METER/CHECK METER of L&T/SECURE make or its equivalent approved make of local electricity authority) with suitable CT & PTs including internal wiring complete etc., Metering panel with size and installation of suitable CT s & PTs it necessary coordinate with local electricity supply authority for grid interactive net meter & check				

	compatibility. 0.2s class, NET meter with ABT feature & DLMS protocol with TOD for above.GSM Modem with connecting cable for remote communicating capabilities for above.				
	Rate also to include the following: 1) Excavation of earth of different soil of required dimension and disposing of unused earth from site. 2) Required brick masonry of suitable size in 1:4 proportion, top and side surfaces plastered with cement mortar in 1:4 proportion 20mm thick.etc., 3) Foundation bed shall be of 300 mm height from floor level or as per electricity supply authority requirement and with one step platform suitable for meter reading. 4) Contractor's responsibility includes getting the metering panel Units inspected, tested at factory by electricity supply authority officials & LIC engineer With GA drawings, approval, transportation up to site, pre-commissioning tests at site by local electric supply authority complete . The rate quoted should include of CT's, PT's net meter ,check meter, panel etc., and all mandatory approvals from statutory authority for installation of net metering panel and necessary testing of the meter and rates to be quoted accordingly.				
2	Providing and installation mono block / booster pump minimum 2 Nos of 0.50 HP and providing PVC HD water pipe line branch at suitable location minimum 12 Nos outlets and providing suitable length hose pipe with nozzle for cleaning of solar panel as per site and direction LICl .	1	SET		

	TOTAL AMOUNT QUOTED FOR PART-A (1+2) (SITC)				
Part - B	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)				
	Rate for Comprehensive Annual Maintenance Contract for the system for SEVEN years after Defects Liability Period of 2 years. Rate should be inclusive of all taxes and duties. No extra will be payable on any account. However GST will be Paid / reimbursed as per the prevailing rules.				
A	First year (after DLP of 2Years)	01	Year	120000.00	120000.00
B	Second year (after DLP of 2Years)	01	Year	126000.00	126000.00
C	Third year (after DLP of 2Years)	01	Year	132000.00	132000.00
D	Fourth year (after DLP of 2Years)	01	Year	139000.00	139000.00
E	Fifth year (after DLP of 2Years)	01	Year	146000.00	146000.00
F	Sixth year (after DLP of 2Years)	01	Year	153000.00	153000.00
G	Seventh year (after DLP of 2Years)	01	Year	160000.00	160000.00

The above CAMC rates are exclusive GST .GST will be paid extra as applicable.

NOTE:-

1. The rate is inclusive of all taxes and duties but excluding GST and nothing extra shall be paid on any account except GST. Tenderers are advised to quote taking the above into consideration.
2. The Annual maintenance contract shall commence after the expiry of Defect liability period of two year from the date of completion of work.
3. The rate quoted should include for connecting the system to suppliers grid which includes liaisoning with local suppliers for grid connection and installation of Net meter.
4. Tenderers are requested to visit the site before submitting the tender.

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(TERRACE PLAN)**

