



LIFE INSURANCE CORPORATION OF INDIA ENGINEERING DEPARTMENT
SOUTHERN ZONAL OFFICE, "153,LIC BUILDING ",
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**NAME OF THE WORK : e-TENDER FOR PROPOSED S.I.T.C. OF GRID
INTERACTIVE ROOF TOP SOLAR POWER PLANT FOR THE
FOLLOWING LOCATIONS :-**

KERALA

- (a) 30 KWp AT LIC DIVISIONAL OFFICE BUILDING, THRISSUR.
- (b) 30 KWp AT LIC DIVISIONAL OFFICE BUILDING, KOTTAYAM.

BID-III: COMMERCIAL

TENDER No.SZ/SOLAR/2021-22/ELEC/01

**LAST DATE FOR SUBMISSION OF FILLED IN TENDER:
ON OR BEFORE 15:00 Hrs on 06.10.2021**



SZO-CHENNAI

KERALA-GRID INTERACTIVE ROOF TOP SPV PLANT 21-22

NAME OF THE WORK : e-TENDER FOR PROPOSED S.I.T.C. OF GRID INTERACTIVE ROOF TOP SOLAR POWER PLANT FOR THE FOLLOWING LOCATIONS :-

KERALA

➤ (a) 30 KWp AT LIC DIVISIONAL OFFICE BUILDING, THRISSUR.

➤ (b) 30 KWp AT LIC DIVISIONAL OFFICE BUILDING, KOTTAYAM.

INDEX

S. No	Particulars	PAGES
1.	Index	2
2.	Schedule of Quantities for Solar Photo Voltaic	3 – 8



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KERALA-GRID INTERACTIVE ROOF TOP SPV PLANT 21-22

LIFE INSURANCE CORPORATION OF INDIA
SOUTHERN ZONAL OFFICE, CHENNAI

NAME OF THE WORK: e-TENDER FOR PROPOSED S.I.T.C. OF 30 KWp GRID INTERACTIVE ROOF TOP SOLAR POWER PLANT at LIC DIVISIONAL OFFICE BUILDING, THRISSUR.

PART II SCHEDULE OF QUANTITIES: "A"

S.No	Item Description	Unit	Qty.	Rate in figures and words	Amount (Rs.)
A	Design, Manufacture, supply, installation, testing and commissioning of 30 KWp Grid interactive On-grid SPV solar power plant without battery at LIC DIVISIONAL OFFICE Building, THRISSUR as per the specifications mentioned in the technical bid. Rate should be inclusive of all accessories like SPV panels, PCU, Array boxes, LT control panel, mounting structure, Lightning 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 LT 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				(Rs)

CONTRACTOR

3 of 8

CHIEF ENGINEER

	official fees paid by the contractors on production of receipts.				
	Supply and installation of Weather proof Vermin proof HT 11 KV Net Metering panel with 3 CT 3 PTs for three phase 4 -wire 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 KERALA STATE Electricity board) 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.	SET	01		
	TOTAL AMOUNT "A"				

I	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)	Unit	Qty.	Rate in figures	Amount (Rs.)
	Rate for Comprehensive Annual Maintenance Contract for each 30 KWp SPV plant at LIC DO BUILDING, THRISSUR for SEVEN years after Defects Liability Period of 2 YEARS which includes weekly cleaning and monthly servicing. 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)	Year	01	18000.00	18000.00
(b)	Second year (after DLP)	Year	01	18900.00	18900.00
(c)	Third year (after DLP)	Year	01	19800.00	19800.00
(d)	Fourth year (after DLP)	Year	01	20800.00	20800.00
(e)	Fifth year (after DLP)	Year	01	21800.00	21800.00
(f)	Sixth year (after DLP)	Year	01	22900.00	22900.00
(g)	Seventh year (after DLP)	Year	01	24000.00	24000.00

NOTE:- 1 (A) The above rates are exclusive GST .GST will be paid extra as applicable.



SZO-CHENNAI

KERALA-GRID INTERACTIVE ROOF TOP SPV PLANT 21-22

LIFE INSURANCE CORPORATION OF INDIA
SOUTHERN ZONAL OFFICE, CHENNAI

NAME OF THE WORK: e-TENDER FOR PROPOSED S.I.T.C. OF 30 KWp GRID INTERACTIVE ROOF TOP SOLAR POWER PLANT AT LIC DIVISIONAL OFFICE BUILDING, KOTTAYAM.

PART II SCHEDULE OF QUANTITIES: "B"

S.No	Item Description	Unit	Qty.	Rate in figures and words	Amount (Rs.)
B	Design, Manufacture, supply, installation, testing and commissioning of 30 KWp ON-grid SPV solar power plant without battery as per the specifications mentioned in the technical bid at LIC DIVISIONAL OFFICE BUILDING, KOTTAYAM. Rate should be inclusive of all accessories like SPV panels, PCU, Array boxes, LT control panel, mounting structure, Lightning 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 LT 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 obtained for new solar plant from local electricity authority. LIC will reimburse the any official fees paid by the contractors on production of receipts.				

CONTRACTOR

6 of 8

CHIEF ENGINEER

	Supply and installation of Weather proof Vermin proof HT 11 KV Net Metering panel with 3 CT 3 PTs for three phase 4 -wire 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 KERALA STATE Electricity board) 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 mortor 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.	SET	01		
	TOTAL AMOUNT "B"				

I	COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)	Unit	Qty.	Rate in figures	Amount (Rs.)
	Rate for Comprehensive Annual Maintenance Contract for each 30 KWp SPV plant at LIC DO BUILDING, KOTTAYAM for SEVEN years after Defects Liability Period of 2 YEARS which includes weekly cleaning and monthly servicing. 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.				
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