

ITI LIMITED

APPENDIX- VIII

E-tender No

EECS521010R

NAME OF WORK

Survey, Design, Fabrication, Supply, Installation, Testing and commissioning of 1200 KWp Grid connected Solar PV Power Plant Rooftop/Ground mounted , Net –metering with zero export Policy with 05 years of Comprehensive Operation and Maintenance Contract at ITI Limited, Mankapur ,Gonda ,271308 (UP)

NAME OF FIRM AND ADDRESS

A) For Indicative purpose only :

Sl. No.	Item Description	HSN Code	Qty Reqd. (A)	Unit	Basic Price in Rs. (B)	Total Price in Rs. C=AxB	GST %	Total Price in Rs. (With GST)
1	Solar PV module of capacity not less than 325 Wp as per technical specifications for 1200 KW		1	Set				To be supplied by ITI
2	High grade MS with zinc Coating /Pre GI structures (as per Site requirement) of required sizes and shapes for fixing Solar panels and other for 1200KWp		1	Set		0.00		0.00
3	String Inverter, as per Technical Specifications For 1200 KWp.		1	Set		0.00		0.00
4	Transformer step up 415V/11KV, oil cooled (2.0 MVA)		1	Set		0.00		0.00
5	Supply ,Installation, testing and commissioning of 11 KV .630Amp VCB equipped with ammeter voltmeter power meter and over current relay, earth fault relay and other protective devices with necessary CTs and PTs at termination side and ground site (630Amp, 02 nos).		1	No		0.00		0.00
6	Supply of D.C. cables 6 Sq. mm/10 Sq. mm, 1C (As per site and design requirement).		1	Set		0.00		0.00
7	Laying, termination of (Overhead/surface), testing and commissioning of copper conductor, XLPE insulated armored cables (as per IS spec and specifications) of various sizes required to complete the work. As per site and design requirement (900 meter approx.).		1	Job		0.00		0.00
8	Remote monitoring equipment (SCADA) communication equipment		1	Set		0.00		0.00
9	Supply of HT 11 KV, XLPE, Al. armored AC cables with size of 3Cx240 sq. mm minimum. As per site & design requirement (900 mtr approx.)		1	Set		0.00		0.00
10	Supply and installation of all control cable from termination point to Solar site. As per site and design requirement		1	Job		0.00		0.00
11	Laying/Termination, Testing and commissioning of 11 KV XLPE insulated cable. As per site & design requirement (900 mtr approx.)		1	Job		0.00		0.00
12	Supply, Installation of ACDB/DCDB/Junction Box/Array Junction Box and associate accessories. As per site and design requirement		1	Job		0.00		0.00
13	Earthing and LA-Supply, Erection, Testing & Commissioning of all earthing equipment's and LA as per relevant IS standard and applicable IE rules to complete the work. As per site and design requirement		1	Set		0.00		0.00
14	Safety Equipments - Supply and fixing of CO2 based firefighting equipments of reputed make, controlled pressure ,IS marked as per the actual site requirement. As per site and design requirement		1	Set		0.00		0.00
15	Civil Works – All the associated civil works complete in all respects, required to complete the work such as Mechanical structure foundation and cable trench work etc. will be in the scope of bidder. It includes demolition of existing Mechanical/Civil structures. As per site and design requirement		1	Set		0.00		0.00

16	Metering System – The Bidirectional electronic energy meter (0.5 S Class) for measuring Export-Import energy meter confirming to relevant IS/IEC standard and as per regulation of respective state for 11 KV/33 KV out going feeder suitable for interfacing with GPS time synchronization equipment along with suitable protective and control equipments. As per site and design requirement		1	Set		0.00		0.00
17	Solar Energy Meters as per requirement of connection points as per guidelines of MNRE/DISCOM/UPPCL/MVVNL. As per site and design requirement		1	Set		0.00		0.00
18	Suitable equipment for HTDG Synchronization. As per site and design requirement		1	Set		0.00		0.00
19	Tool Kit for Installation and Commissioning. As per site and design requirement		1	Set		0.00		0.00
20	Misc. Supply/Works: Any other supply/Work essential to complete the project work. As per site and design requirement		1	Set		0.00		0.00
21	Supply, Installation of 11 KV bus bar for interconnecting new 11 KV with existing 11 KV panel . If required		1	Job		0.00		0.00
22	Supply ,laying, Termination of XLPE 11 KV cable and supply ,Installation of all materials such as cable ,Guard wire etc. required for indoor/outdoor switchgear as per prevailing electricity rule and electrical safety directorate. As per site and design requirement		1	Job		0.00		0.00
23	LT panel (s) suitable rating for 1200 KWp. As per site and design requirement		1	Set		0.00		0.00

B) For Calculation purpose of L1:

Sl	Description of Work	HSN Code	Qty Reqd. (A)	Unit	Basic Price in Rs. (B)	Total Price in Rs. C=AxB	GST %	Total Price in Rs. (With GST)	
1	Survey, Design, Fabrication, Supply, Insurance, Testing of 1200 KW Grid Connected Solar PV Power Plant ROOFTOP / GROUND mounted Net-Metering with Zero Export Policy with 05 Years of Comprehensive, Maintenance Contract at ITI Limited , Mankapur , Gonda 271308 (UP) (Without Solar Module)		1	Set		0.00		0.00	
2	Installation and Commissioning of Complete 1200 KW Grid Connected Solar PV Power Plant ROOFTOP/ GROUND MOUNTED Net-Metering with Zero Export Policy with 05 Years of Comprehensive, Maintenance Contract at ITI Limited, Mankapur, Gonda 271308 (UP) (With Solar Module)		1	Set		0.00		0.00	
3	1st year CAMC Charges (Refer Note)		1	Job		0.00		0.00	
4	2nd year CAMC Charges (Refer Note)		1	Job		0.00		0.00	
5	3rd year CAMC Charges (Refer Note)		1	Job		0.00		0.00	
6	4th year CAMC Charges (Refer Note)		1	Job		0.00		0.00	
7	5th year CAMC Charges (Refer Note)		1	Job		0.00		0.00	
Grand Total in Rs.								0.00	
Total Value in word									

Note: The PV module is under warranty of ITI Limited Naini Unit.

B) Other Terms		
1	Terms of Price	FOR ITI Limited Mankapur
2	Payment Terms	As per Bid Document
3	Warranty	As per Bid Document
Any deviation from above format shall be liable for rejection of the bid		