



Energising Quality

PREAMBLE TO SCHEDULE OF RATES (SOR)- Rev-01

PROCUREMENT OF SOLAR POWER SUPPLY SYSTEM FOR NORTH EAST GAS GRID PHASE-III OF IGGL



TENDER ID: VCS21000027

1	Scope of Supply including testing, Inspection, documentation etc., shall be strictly as per Material Requisition and Bidding Document.
2	Bidder to clearly indicate 'Quoted' against each Sr. No. in the price column in the unpriced Price Schedule/Schedule of Rates (SOR) and % of taxes duties against relevant columns of taxes and duties. Bidders to submit Price part of above Price schedule/Schedule of Rates (SOR) in their Priced Bid and Unpriced part with the Unpriced Bid.
3	Bidder shall furnish prices/details as above, in accordance with ITB .
4	All the Columns of quoted items in the Price Schedule/Schedule of Rates (SOR) including currency must be filled with required information, as applicable.
5	Bidder must quote the price in enclosed Price Schedule/Schedule of Rates (SOR) formats only. The formats shall not be changed and/or retyped. For any deviation to the formats, offer may be rejected.
6	Quoted prices are firm and fixed till complete execution of the entire order.
7	Price of 2 years O&M spares, as mentioned in Annex-IV in Technical Volume are included in the prices quoted by the Bidder in the bid for the Solar Power system. Unit Price schedule/Schedule of Rates (SOR) for 2 years O&M spares in SOR is for Addition/Deletion purpose only.
8	In case of discrepancy between unit price and the total price, the unit price shall prevail. If there is a discrepancy between the total amount and the sum of total price, the sum of total price shall prevail.
9	Bidder confirm that contents of the preamble to the Price Schedule/Schedule of Rates (SOR), bid document, material requisition and quoted his prices accordingly without any deviation.
Notes:	<p>1. Bidders must submit this Preamble along with SOR duly signed and stamped with both unpriced & priced offer.</p> <p>2. Bidder must quote as per SOR only. Bids submitted other than this SOR shall be summarily rejected.</p>

BIDDER'S SIGNATURE:

COMPANY'S NAME:

SEAL:



PRICE SCHEDULE/SCHEDULE OF RATES (SOR)- Rev-01 FOR SUPPLY OF SOLAR SYSTEM (SECTION 10&11)



TENDER ID: VCS2100027

SOLAR POWER SOURCE FOR 12" PIPELINES OF M/s IGGL (Section- 10&11)

Table with columns: Item Sl. No., Description of items, Unit, Qty, Ex works price, Inland transportation, GST, and Total FOT site price. Includes detailed technical specifications for solar power systems and components.

Item Sl. No. as per MR	Description of Items as per MR	Unit					Qty	Ex works price (including packing, forwarding, and GST on components and raw materials but excluding Inland Transportation to Delivery Location) including cost of inspection by Third Party Agency, mandatory spares etc. (wherever applicable) (Currency in INR)	Inland transportation upto Delivery location and other costs incidental to delivery of goods (Currency in INR)	GST (CGST&SGST/UTGST or IGST) on the finished goods excluding Inland transportation (i.e. on cl. no. 4) (Currency in INR)		GST (CGST&SGST/UTGST or IGST) on Inland transportation (i.e. on cl. no. 5) (Currency in INR)		Unit FOT site price incl. Inland transportation, GST etc. (Currency in INR)		Total FOT site price incl. Inland transportation, GST etc. (Currency in INR)		Harmonized System Nomenclature (HSN)
										%	Amount	%	Amount	In Figure	In Words	In Figure	In Words	
										(6)		(7)		(8)=(4)+(5)+(6)+(7)		(9)=(8) X (3)		
1	2.a	2.b	Section 10	Section 11	(3)	(4)	(5)	(6)	(7)	(8)=(4)+(5)+(6)+(7)		(9)=(8) X (3)		(10)				
2.3	<p>MPPT Solar Charger -</p> <p>1. (Dual Min-2x25EA) @ 96V as per specification and scope of work with following DC_DC Converter (Dual redundant)-</p> <p>2. (85-130V DC IP to 24V+/-1%, 2000W)</p> <p>3. (85-130V DC IP to +48-0(+48V +/-1% DC V, 3000W SMPs Modular converter with +/-1% accuracy), and DCDB [24V & 48V] as per specification and scope of work.</p> <p>4. DC-AC INVERTER- Pulse sine wave output inverter (dual redundant) for fire system having DC Input range (75-130V DC) and AC Output (230V AC +/-1%, 50 Hz +/-1%), 600VA with over load, short circuit and over temp protection and with galvanic isolation as per specification with 04 nos of MCB output (6A) including supply of all interconnecting cables.</p>	Set	2	3	3	1	9											
2.4	<p>Ni-Cd Battery bank (Pocket Plate type) in (2x50%) arrangement 361 KVAH @ 96V, (where KVAH = battery cell AH x 1.2 V x No. of cells) as per specification and scope of work for system-II.</p>	Set	2	3	3	1	9											
2.5	<p>Balance of System materials & equipments for system-II.</p> <p>1) Interconnecting cables among array (solar grade), charge controller, battery bank, Grid charger, DCDBs, junction boxes etc including erection of all accessories like cable glands, cable tray, fire-rod-cu legs etc as required</p> <p>2) Earthing and lightning protection systems as required to complete the system.</p> <p>3) Supply of 2 year O&M spares as per list attached in scope of work. (Annexure IV)</p> <p>4) Required material for Erection work, Civil & Other miscellaneous work</p>	Set	2	3	3	1	9											
2.6	<p>GRID CHARGER FOR BATTERY BANK FOR SYSTEM-II (FOR 2000 WATT SYSTEM) SYSTEM-III- GRID CHARGER FOR BATTERY BANK</p> <p>Design, Detailed Engineering, Manufacturing, Inspection/FAT (Factory acceptance test), Supply, Transportation, loading/unloading, insurance, Storage at warehouse/store (tired by bidder) of DSP based FCBC CHARGER (2x100%) to charge the battery bank from grid supply, including commissioning spares as required, as per specifications, data sheet and instruction of Engineer-in-charge required for Solar System. The charger shall operate on the single phase with the input voltage supply of 415Vac, 3 Phase with Neutral, 50 Hz/330 – 460 Vac, 47 – 53 Hz. FCBC shall consist of three single phase chargers connected in parallel fed by R-Y-B phase respectively. The rating of each FCBC shall be as per the Battery bank size calculated for the solar system, shall be calculated such that it can charge fully discharged complete battery bank at C20 rating. Supply of 2 years O&M spares (Annexure IV) is included in the scope.</p>	Set	2	3	3	1	9											
3.0	OUTDOOR EMERGENCY LIGHTING																	
3.1	<p>SYSTEM-III-SPV BASED OUTDOOR EMERGENCY LIGHTING</p> <p>Design, Detailed Engineering, procurement of material, Inspection/FAT (Factory acceptance test), Supply, Transportation, loading/unloading, insurance, Storage at warehouse/store (tired by bidder) of Solar Street lighting system complete with GI pole and GI mounting bracket, control gear box, internal cable from fitting to junction box, and min 1x20W LED fixture (Bajaj Make/MINRE Approved or equivalent), three days battery backup with low maintenance flooded battery with box (2x75 AH), solar PV Module (2x100W), earthing, electronics, charger, dusk-dawn operation, GI pole (6 Mts. with 80 Micron Galvanization) etc including pipe inserts for cables and connecting work, civil work and commissioning spares as required, with all material and labour as per specifications, drawings and instruction of Engineer-in-charge. Work to be completed in all respects.</p>	Set	14	14	19	8	55											
4.0	DN_GRID SPV SYSTEM FOR NORTH EAST GAS GRID- III (NEGG) PROJECT, DPL & SGPL (PIPELINE) SOLAR POWER SYSTEM (REFER Cl. No.3.1 OF MR FOR LOCATION OF THE SYSTEM)																	
4.1	<p>SYSTEM-IV- GRID CONNECTED SOLAR PV SYSTEM_ 20KWp</p> <p>Design, Detailed Engineering, procurement of material, Inspection/FAT (Factory acceptance test), Supply of materials, Transportation, loading/unloading, insurance, Storage at warehouse/store (tired by bidder) of complete Grid Connected 20 Kwp Solar PV system (Guaranteed generation 24000 Kwh per year) at along with inverter (PCU) inverter: MPPT Type with SCADA monitoring features), Solar PV Modules (300 Wp and above) into array, Mounting Structures, required AC distribution panels, Junction boxes with surge protection units on both side, Civil foundations & erection materials, Interconnecting cables, earthing, Energy Meters & data loggers along with PC based arrangement for system performance monitoring through licensed software as per the attached specifications, P/S/Scope of work for Grid connected system.</p>	Set	0	2	2	1	5											
Total price including all costs, freight, insurance till commissioning, GTS etc.																		
<p>NOTE:</p> <p>1) The above shall be read in conjunction with notes of MR enclosed. Scope of work, Specifications with the Tender document.</p> <p>2) The quantities and location of installations may change during the detail engineering.</p>																		
														<p>BIDDER'S SIGNATURE:</p>				
														<p>COMPANY'S NAME:</p>				
														<p>SEAL:</p>				

Sl. No.	Description as per MR	Unit					Qty.	Unit Price inclusive of all cost, levies etc. but excluding GST (CGST&SGST/UTGST or IGST) (Currency in INR)	GST (CGST&SGST/UTGST or IGST applicable on Col. (5) (Currency in INR)		Unit Price inclusive of all cost, levies etc. including GST (CGST&SGST/UTGST or IGST) (Currency in INR)		Total Price inclusive of all cost, levies etc. including GST (CGST&SGST/UTGST or IGST) Cl. (4 x 7) (Currency in INR)		Service Accounting Codes (SAC)
			Section 10		Section 11				%	Amount	In Figure	In Words	In Figure	In Words	
1	2	3	Section 10		Section 11		4	5	6		7		8		9
5.0	All inclusive per month rates for maintaining the warehouse/store at site (for supplied material) during the extended period as required (payable if site is not ready even after 6 months of Contractual completion date of Supply, Installation, Testing & commissioning as per terms & condition of contract and as defined in the tender scope of work).	Months	6	6	6	6	24								
6.0	5 years comprehensive AMC (CAMC) for Solar systems (all items supplied under sl 1.0-4.0) which shall cover workmanship and materials (supplied by the Bidder) for solar system. However AMC shall start after successful completion of warranty period/ Defect Liability period as per contract. (For detail scope & payment terms refer scope of work, annexure to SCC & contract document)	LS	0.18	0.34	0.35	0.13	1								
Total price including all costs including GST for Site Works															
NOTE: 1) The above shall be read in conjunction with notes of MR enclosed, Scope of work, Specifications with the Tender document. 2) The quantities and location of installations may change during the detail engineering.															
									BIDDER'S SIGNATURE:						
									COMPANY'S NAME:						
									SEAL:						



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UNIT PRICE SCHEDULE/SCHEDULE OF RATES (SOR)- Rev-01 FOR 2 YEARS O&M SPARES (Addition/Deletion)



TENDER ID: VCS21000027

SOLAR POWER SOURCE FOR 12" PIPELINES OF M/s IGGL (Section- 10&11)

Sl. No.	Description as per MR	Unit	Qty.	Ex-works price (including packing, forwarding, and GST on components and raw materials but excluding Inland Transportation to Delivery Location) including cost of Inspection by Third Party Agency, mandatory spares etc. (wherever applicable) (Currency in INR)	Inland transportation upto Delivery location and other costs incidental to delivery of goods (Currency in INR)	GST (CGST&SGST/UTGST or IGST) on the finished goods excluding inland transportation (i.e. on cl. no. 4) (Currency in INR)		GST (CGST&SGST/UTGST or IGST) on inland transportation (i.e. on cl. no. 5) (Currency in INR)		Unit FOT site price incl. inland transportation, GST etc. (Currency in INR)		Total FOT site price incl. inland transportation, GST etc. (Currency in INR)		Harmonized System Nomenclature (HSN)
						%	Amount	%	Amount	In Figures	In Words	In Figures	In Words	
1	2.a		3	(4)	(5)	(6)		(7)		(8)= (4)+(5)+(6)+ (7)		(9)= (8) X (3)		(10)
15	Relay -10% with min1 NO of each type of relay	Set	1											
16	Contactors(AC & DC Aux.)	Set	1											
17	IGBT 1 no Of each rating& type	Set	1											
Notes:														
(1) * One of each rating/type												BIDDER'S SIGNATURE:		
(2) ** 10% of each rating (minimum two number)												COMPANY'S NAME:		
												SEAL:		