



REPLY TO BIDDER'S PRE-BID QUERIES DATED 01.10.2020
BID DOCUMENT FOR PROCUREMENT OF SOLAR POWER SUPPLY SYSTEM
Tender No : AGCL/BD/PMC-GHT/SOLAR/2020/46 dated 10.09.2020



Sr. No.	Tender Clause No. / Annexures	Page No	Clause No	Subject	Bidders Comments / Queries	VCS Reply
TECHNICAL						
1	Vol-II	Page-7/ 82	Clause No-3.1.2 (3)	"All materials shall be approved by AGCL or its authorized representative before use by the Contractor."	As per our understanding "After the award of contract, all materials shall be approved by AGCL or its authorized representative before use by the Contractor". Kindly confirm.	Bidder's understanding is correct
2	Vol-II	Page-19-25/ 82	-	SLD's	There is Solar charger and Inverter are mentioned in the block but DC voltage is not given.	Tender Conditions will prevail.
3	Vol-II	Page-19-25/ 82	-	SLD's	While defining the Inverter specification and Static Switch, please mention the transfer time also and it can be less than 30-40 millisecond.	Tender Conditions will prevail.
4	Vol-II	Page-19-25/ 82	-	SLD's	The SLD also needs to be corrected at this junction by making (solar) MPPT Charger block with battery, Mains charger etc connected there and then Inverter block. Please refer enclosed SLD.	Tender Conditions will prevail.
5	Vol-II	Page-19-25/ 82	-	SLD's	Also from this DC BUS, please show separate line for DC loads as shown on page 72. Assume this is also part of same drawing and no separate Solar panels, Solar charger, Battery etc needed. Also check if any DC-DC converter needed as in some cases 24V and 48V galvanically isolated DC supplies are needed for Telemetry/other loads.	Tender Conditions will prevail.
6	Vol-II	Page-19-25/ 82	-	SLD's	Further looking at the main SLD on page 19, it has two parts separated through a (coupler) contactor such that one cluster of (say Priority) loads like CPTR, Indoor/outdoor lightings, pump etc from the "Solar+Battery+Inverter" combination and other feeding to Mains charger and control panel, UPS Input etc. So, in case of both Inverters failing this priority AC Bus will also get supply from Mains directly. But in no case this contactor can connect two buses when any one Inverter is ON, otherwise Inverter will start supplying to charger also. Also, may allow auto changeover with transfer time to, 100msec.	Tender Conditions will prevail.
7	Vol-II	Page-19-25/ 82	-	SLD's	We would recommend, use of a servo stabiliser in this path at mains-to-priority AC Bus path such that when both Inverters fails only then the stabiliser will energise at input and all such priority loads will get stabilised supply.	Tender Conditions will prevail.
8	Vol-II	Page-19-25/ 82	-	SLD's	Please confirm why this Inverter required is 3 Phase? Is it for pumps or CPR?	Refer technical tender for the same.
9	Vol-II	Page-19-25/ 82	-	SLD's	The rating mentioned in SLD for Solar Panel Module is 5KVA. Is it corrector we have to consider it as 5KWp? or we have to calculate it according to given load. Please confirm	Tender Conditions will prevail.
10	Vol-II	Page-19-25/ 82	-	SLD's	Please confirm CPTR is in Bidder Scope?	Refer SLD attachd in bid document for Vendor Scope of Work.
11	Vol-II	Page-26/ 82	-	ARCHITECTURAL PLAN, ELEVATION & SECTION FOR BATTERY ROOM	Please prefer Pre-fabricated room with ventilation at opposite sides.	Tender Conditions will prevail.
12	Vol-II	Page-26/ 82	-	ARCHITECTURAL PLAN, ELEVATION & SECTION FOR BATTERY ROOM	It is mentioned that space to store Battery bank is approx 3000 X 3000mm. Kindly share the rest of the drawing or dimensions to install all other equipment like Battery charger, PCU etc	Refer drawing no. 1009-CS-ARC-6003 attached in tender document for "Architectural Plan, Elevation & Section for Battery Room"
13	Vol-II	Page-58/ 82	Clause No-5.3.1 (a) (i)	BATTERY CHARGER	Kindly confirm can we use Lead Acid or VRLA battery also. If we can use please also share the technical specs of Lead acid and VRLA battery	Ni-Cd Battery only to be used.
14	Vol-II	Page-58/ 82	Clause No-4.3.1 (c) (iv)	BATTERY BANK	Kindly confirm, it will be same for all type of battery.	Ni-Cd Battery only to be used.
15	Vol-II	-	-	UPS	UPS make is not defined in the tender only UPS size with Backup Time is given. Please provide the make of UPS as well as the technical data sheet of the UPS. Without the TDS of the UPS, we can't design the output parameters of the Battery bank, that is to be supplied and configured with the UPS. UPS DC bus bar voltage is required for sizing the battery for the given UPS. Please mention UPS minimum and maximum DC bus bar voltage must be mentioned on the TDS of the UPS.	Make and technical data shall be provided after award of work.
16	Vol-II	-	-	INVERTER	Please mention the minimum required inverter efficiency. As variation in the Inverter efficiency, will impact the Battery Sizing.	Inverter efficiency shall not be less than 85%.
17	Vol-II	-	-	SYSTEM VOLTAGE	System voltage required for solar solar system is not mentioned in Tender. Kindly confirm the same, without this we can't do the charger sizing.	Solar System output volatage shall be 415vac. All other parameters to be finalized by vendor based on the tender requirement.
18	Vol-II	-	-	-	Please allow Enertech UPS Pvt Ltd inverter in acceptable make list for Solar Inverter as Enertech is also reputed make approved in organization like BHEL, PGCIL, NTPC. Also in support of government mission for strengthening Make in India we urge you to add Enertech UPS Pvt Ltd as an acceptable make of solar inveter.	Tender Conditions will prevail.

COMMERCIAL

19	Vol-I	Page-9/ 88	Cl.no.-9.0	BEC	<p>Since the Pipeline Substation work is not limited to Solar Work only it also includes SITC of Ni-Cd Battery banks. In fact, commercially 75-80% of the project cost is due to the Ni-Cd Battery banks, which require specialized equipment as well as teams for commissioning of Ni-Cd Battery bank. So vendors with work experience of Solar along with Ni-Cd Battery will be suitable for this work. This will ensure high quality of work as well as ensure proper O&M Support in the future. In view of the above we suggest to add Bid Qualification criteria as given Below:-</p> <p>1. Supply installation & Commissioning of Solar Power & Ni-Cd Batteries of minimum continuous load 800 W for 72 hours having capacity not less than 10kwp Solar Power Plant.</p> <p>2. In Tender Notice-I page no-9 Clause no-9, BEC criteria, Authorization of Solar Power system is only required. We suggest to amend it as follows "Bidder must be a manufacturer/Authorized Supplier/Authorized Dealer/ Authorized Distributor of Battery Bank and FCBC Charger and Solar Charge Controller."</p>	Tender Conditions will prevail.								
20	Vol-I	Page-9/ 88	Cl.no.-9.1.2	BEC	<p>Tender Criteria Clause 9.1.2:-</p> <p>9.1.2 The bidder should have supplied, tested, installed, commissioned in a single order at least following nos. of solar system for pipeline in terminals/ Stations or any hydrocarbon plant or any related industry the last 7 years reckoned from Bid Due Date.</p> <table border="1" data-bbox="1154 730 2178 877"> <thead> <tr> <th>SI. No.</th> <th>Description</th> <th>Description</th> <th>Min Quantity Supplied in last 7 years (Nos.)</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td>Minimum 415V Solar power supply system with battery back-up</td> <td>2x5 KVA Solar Panel with minimum 10-hour battery back-up</td> <td align="center">1</td> </tr> </tbody> </table> <p>Amendment Required in Clause 9.1.2:-</p> <p>The bidder should have supplied, tested, installed, commissioned in a single order at least following nos. of solar system for pipeline in terminals/ Stations or any hydrocarbon plant or any related industry the last 7 years reckoned from Bid Due Date. Minimum 240V Solar power supply system with battery back-up 1x5 KVA Solar Panel with minimum 10-hour battery back-up</p>	SI. No.	Description	Description	Min Quantity Supplied in last 7 years (Nos.)	1	Minimum 415V Solar power supply system with battery back-up	2x5 KVA Solar Panel with minimum 10-hour battery back-up	1	Tender Conditions will prevail.
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1	Minimum 415V Solar power supply system with battery back-up	2x5 KVA Solar Panel with minimum 10-hour battery back-up	1											
21	Vol-I	Page-10/ 88	Cl.no.-9.2.1	BEC	<p>Tender Criteria Clause 9.2.1:-</p> <p>9.2.1 Annual turnover:</p> <p>The minimum annual turnover of the bidder as per their audited financial statement in any one of the last three preceding financial years i.e. 2018-19, 2017-18, 2016-17 shall be INR 400 Lacs.</p> <p>Amendment Required in Clause 9.2.1:-</p> <p>Annual Turnover: The minimum annual turnover of the bidder as per their audited financial statement in any one of the last three preceding financial years i.e. 2018-19, 2017-18, 2016-17 shall be INR 200 Lacs.</p>	Tender Conditions will prevail.								
22	Vol-I	Page-60/ 88	Cl.no.-7.0	Payment Terms	<p>Kindly consider payment term as suggested:-</p> <p>For Supply, Installation, Testing & commissioning of Solar Power System with Battery Backup :</p> <p>70% of the Supply value with 100% GST against supply Items at each location shall be paid against the receipt of the supply items at site upon submission of Original Invoices along with Copies of Test Certificates of Equipment / Material from OEM/Test Agency.</p> <p>20% of the Remaining Supply value against supply Items shall be paid upon completion of the installation and commissioning at site.</p> <p>Balance 10% of the amount shall be released after submission of all the documents / warranty certificates / commissioning reports.</p> <p>Battery Bank for UPS:</p> <p>80% of the Supply value with 100% GST against supply Items at each location shall be paid against the receipt of the supply items at site upon submission of Original Invoices.</p> <p>10% of the Remaining Supply value against supply Items shall be paid upon completion of the installation and commissioning at site.</p> <p>Balance 10% of the amount shall be released after contract closure.</p> <p>Please confirm supply of Solar Panel means Supply, Installation, Testing & commissioning of Solar Power System with Battery Backup as mentioned in BoQ.</p>	Tender Conditions will prevail.								