

120	0	0	General	Radiation and temperature data	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 Please specify the reference radiation and temperature data base viz., NASA/Metronome to be considered for the calculation of yearly generation in order to ensure common evaluation platform for all the bidders.	Technical	It shall be the responsibility of the bidder to estimate the plant generation based on available solar radiation database. For the purpose of calculation of annual CUF, reference radiation has been given in Clause 2.4 of Annexure-C (PG Test Procedure). Terms and conditions of the tender document will prevail.
121	SOW	364 of 1149	1	Cell/ Module Technology: Bifacial, Mono crystalline PERC	In Indian, PV market is relying more on polycrystalline, monofacial technology, please accept this option also. It is a better option in terms of availability and cost effectiveness also.	Technical	Terms and Conditions of the tender document will prevail.
122	Technical Specifications	386 of 1149	B, 1.2	Module Efficiency (Front Side) \geq 19.5%	In case of polycrystalline technology, efficiency of 19.5% will not be feasible. Hence the clause may be reviewed to reduce the required efficiency to \geq 16%	Technical	Terms and conditions of the tender document will prevail.
123	Technical Specifications	386 of 1149	B, 1.3	The PV Modules Supplier should have supplied minimum 5 GW capacity globally or 1 GW in India in the past 5 years.	In this clause in conjunction with Make in India policy and restriction on importing from land border sharing countries, it appears very restrictive. It may be reduced to 300 MW installation in India	Contractual	Kindly refer S.No. 32 of amendment 1.
124	Technical Specifications	386 of 1149	B, 1.4.1	The PV Modules glass panel shall be: Glass-glass Modules, with minimum of 2 mm glass thickness on each side. It shall be laminated using a laminator with symmetrical structure, i.e. heating plates on both sides.	Glass- back sheet modules with 3.2 mm thick glass option also may be permitted.	Technical	Terms and conditions of the tender document will prevail.
125	Technical Specifications	387 of 1149	1.5.1	PV Module shall guarantee 80% of initial rated output at the end of 30 years	PV Module shall guarantee 80% of initial rated output at the end of 25 years	Technical	Terms and conditions of the tender document will prevail.
126	Technical Specifications	387 of 1149	1.5.3	Warranty shall be backed by third party Insurance	Warranty shall be backed by third party Insurance or Bank Guarantee	Technical	Terms and Conditions of the tender document will prevail.
127	Annexure C	603/1149	2.4	Degradation factor is 0.55 per Year	kindly consider degradation factor is 0.70 per Year	Technical	Terms and Conditions of the tender document will prevail.
128	Section X - Contract Forms	307/1149	PCC 9. Contractor's Responsibilities	Contractor shall be required to mobilize its team within 20 (Twenty) days from the date of Notice to Proceed (NTP) for the immediate construction of the fencing of the Project boundary so as to safeguard the land parcels related to the project, in line with the fencing specifications provided in Annexure A "Employers requirement"		Technical	Query Not Clear
129	Section X - Contract Forms	307	PCC 9. Contractor's Responsibilities	Contractor shall be required to mobilize its team within 20 (Twenty) days from the date of Notice to Proceed (NTP) for the immediate construction of the fencing of the Project boundary so as to safeguard the land parcels related to the project, in line with the fencing specifications provided in Annexure A "Employers requirement"	Bidder request for the additional time, to enable bidders to identify the contractors for carrying out the work. Bidder request for minimum 60 days from NTP for mobilization and to start the construction of fencing works.	Contractual	Kindly refer S.no. 74 of Amendment 1.
130	Annexure-A, C	113/182	12.2.1	However, the min. dia. and depth of the pile shall be 300mm (Min 350 mm for column depth more than 175 mm) and 1800mm respectively except when very hard strata/ rock ($N > 100$) is encountered at a higher level, the pile shall be extended in to the hard strata minimum 1.5 times the diameter of the pile with total depth of the pile not less than 1200mm below cut-off level	Bidder request, the depth of pile may be finalized based up on Soil condition and soil Investigation report. Kindly confirm.	Technical	The terms and conditions of Bidding Document will prevail

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131	Annexure-A, C	117/182	13.3	In case of topographical variations more than 30, the contractor shall carry out detailed study of its effect on array layout, shadow analysis and structural stability of MMS.	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 Bidder request that the land slope may be decided by the bidder based on the energy generation requirement.	Technical	The terms and conditions of Bidding Document will prevail
132	Annexure-A, C	123/182	16.2.2	MCR building shall have separate main entry to office area plus a provision of fire exit door	Kindly confirm, clause mentioned is for fire exit door only and not for fire resistant door.	Technical	Door shall be fire exit type only.
133	ANNEXURE A.3 SPECIAL TECHNICAL CONDITIONS	3/4	10	MCR shall be RCC Type Building and shall conform to the provisions as specified in Technical Specifications	MCR shall be allowed with PEB building, kindly confirm.	Technical	The terms and conditions of Bidding Document will prevail MCR shall be RCC type building.
134	Technical Specifications	529 of 1149	3.1.1	The BESS Supplier/sub-Contractor must have the experience of having successfully completed Design, Engineering, Procurement, Construction, Installation, Testing and Commissioning of Grid Connected Battery Energy Storage System (BESS) of at least 03 (Three) Grid connected BESS Plants, each having an individual capacity of 5 MWh (Five Mega Watt Hour) or above in last Five years. Also, such BESS Plant capacity must have been in satisfactory operation for at least 12 (Twelve) months from the date of commissioning.	BESS being fairly new technology, has got very few grid connected BESS plant installations by BESS OEMs/suppliers as of now. Further, China being the hub of Li-ion battery suppliers, the present import restrictions from China also restricts availability of such BESS Supplier/Sub-Contractors who meet this tender requirements. Whether BESS can be accepted from foreign vendors, meeting the BESS Supplier QR globally? Whether BESS OEMs from China acceptable?	Technical	Kindly refer Section V, eligible countries for more clarity regarding this point.
135	Technical Specifications	529 of 1149	3.1 Table	In the Peak Management Use Case scenario, power generated during the early and midday periods shall be stored in the BESS and discharged during peak demand, for 3 hours, after solar generation hours.	BESS will have only Peak management application for this Solar PV project. Please confirm.	Technical	Yes.
136	Annexure-A	364/1149	1	Power trn: 2x50	Rating of the power transformer can be 100% ONAF and 60% ONAN for the optimum design. Also, ONAF/ONAN design shall result in optimum configuration of the system. Please accept.	Technical	Power transformer rating shall be 50MVA for continuous operation.
137	Annexure-A.3	375/1149	8.2	Daily work of the operation and maintenance in the Solar Photovoltaic Power Plant involves periodic cleaning of Modules including periodic tilt angle change as and when required.	Periodic tilting shall not be applicable for fixed tilt structures. Please confirm.	Technical	The clause is generic. Periodic tilt angle change is not applicable for fixed tilt MMS design. Terms and conditions of the tender document will prevail.
138	Annexure-A.3	560/1149	6	The Power Transformer shall be designed for suitable duty cycle considering at least 4 hours of operation at 110% of full (rated) load.	Power transformer shall be continuous duty. Please confirm.	Technical	Power Transformer shall be continuous duty.
139	Annexure-A.3	560/1149	6	The Power Transformer shall be designed for suitable duty cycle considering at least 4 hours of operation at 110% of full (rated) load.	110% full (rated) load shall be for 1 hour only as per IS. Please accept.	Technical	Kindly refer S.No.34 of amendment 1.
140	Annexure-A.3	561/1149	16	For Plant internal lighting along internal roads, Solar LED type Garden/Landscape stake lights (Color Temperature 5700 K) shall be installed along with Solar Panels and rechargeable and replaceable battery units with minimum 8 hours of discharge.	Solar lighting shall be having maintenance issues and reduces the usable area for DC installation considerably when compared to normal peripheral lighting. Hence solar peripheral lighting may please be removed or option may be given to bidder to choose the option as per his techno-economic evaluation.	Technical	Kindly refer S.No.40 of amendment 1.

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141	Annexure-A	393/1149	4.2.1	The Inverter Supplier should have supplied minimum 5 GW capacity globally or 1 GW in India in the past 5 years	Clarifications to Queries raised during Pre Bid Meeting on 20.09.2020 This clause is contradictory to the policy and restriction on importing from land border sharing countries, it appears very restrictive. It may be reduced to 300 MW installation in India considering the project size	Technical	Terms and conditions of the tender document will prevail.
142	Annexure-A	390/1149	2.2.7	Cable gland (double compression metallic) of suitable size for DC cables shall be provided at the SMU output	Cable gland shall be poly amide or double compression metallic. Please accept.	Technical	Terms and conditions of the tender document will prevail.
143	Annexure-A	390/1149	2.3	The SMU unit shall be warranted against all material/ manufacturing defects and workmanship for minimum of 5 (five) years from the date of supply.	The standard warranty offered in the industry is 1 year. Please accept and revise.	Technical	Kindly refer S.No.50 of amendment 1.
144	Annexure-A	459/1149	19.6	All switchyard equipment shall be warranted for minimum of 5 (five) years against all material/ manufacturing defects and workmanship.	0	Technical	Query Not Clear
145	Annexure-A	453/1149	18.13	The control and relay panel unit shall be warranted for minimum of 5 (five) years against all material/ manufacturing defects and workmanship.	0	Technical	Query Not Clear
146	Annexure-A	442/1149	16.13	The power transformer shall be warranted for minimum of 5 (five) years against all material/ manufacturing defects and workmanship.	0	Technical	Query Not Clear
147	Annexure-A	364/1149	1	Distance to connecting substation (approx.) - 31 kMs.	Please confirm whether transmission line distance is 31 km or 33 km	Technical	SECI has not carried out any route survey for transmission line. However the length will be about 33km approx. Bidders are required to carefully access the length of transmission line from project site till 220/132kV CSPTCL's Thelkadih substation and quote accordingly as the complete scope design, approval, ROW, construction of transmission line is in the scope of contractor/developer
148	ESMF	850/1149	1.2	The power generated through the project is propose to be evacuated through overhead 132kV transmission line of length 33 km approx. to the nearest 132 kV CSPTCL's Substation at Thelkadi, Chhattisgarh.	0	Technical	Query Not Clear
149	Annexure-A	384/1149	2.3	Shadow free plant layout to ensure minimum losses in generation during the day time.	Location and layout shall be in such a manner that it cast no shadow on the PV Modules during 08:30 AM to 04:30 PM. Please confirm	Technical	Array layout shall be finalized during detailed engineering.
150	Annexure-A	389/1149	1.8.2	It is required to construct a temporary platform (graded) while keeping the modules at least above the highest flood level. If the contractor scheduled/ planned to mount the modules immediately after the receipt at site, then the module shall be kept in common storage area with proper arrangement.	Modules shall be kept at an appropriate location above the flood level for safe storage. Temporary platform for the modules is not practical for this project size and hence may please be removed.	Technical	Terms and conditions of the tender document will prevail.
151	Annexure-A	389/1149	1.8.3	The stacked modules, in any case, shall be stacked as per the manufacturer's recommendation only and shall be covered with tarpaulin sheet.	Covering the PV modules with tarpaulin is not practical for this project size and hence may please be removed.	Technical	Kindly refer S.No.55 of amendment 1.
152	Annexure-A	389/1149	2	String Monitoring Unit	Please clarify whether string monitoring can be avoided and zone monitoring at SMB level can be implemented at the PCU input level. This will help in optimizing the overall configuration as per the present industry practice.	Technical	Terms and conditions of the tender document will prevail.

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153	Annexure-A	423/1149	12.3.2	Each PV Module frame shall be earthed using copper wire of sufficient cross section. The copper wire shall be connected to the earth hole provided in the module frame using suitable arrangement in line with the manufacturer recommendation.	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 Each PV Module frame shall be earthed in accordance with PV module manufacturer guidelines inline with the prudent industry practice. Please accept and revise.	Technical	Terms and conditions of the tender document will prevail.
154	Annexure-A	423/1149	12.3.3	Continuous copper earthing wire shall be run to connect a group of modules and both ends of the loop shall be bolted to the DC earth grid using bimetallic lugs and stainless-steel fasteners.	Bimetallic lugs of copper and GI are not available. Hence this requirement may please be removed.	Technical	Terms and Conditions of the tender document will prevail.
155	Annexure-A	423/1149	12.3.6	The connection with the DC earth grid shall be done using suitable bimetallic lugs and stainless-steel fasteners.	Bimetallic lugs of copper and GI are not available. Hence this requirement may please be removed.	Technical	Terms and Conditions of the tender document will prevail.
156	Annexure-A	425/1149	13.2	Protection level for the entire plant shall be Level-I.	Please allow Level-III protection level inline with the industry prudent practice to minimize the usable area wastage and optimize the overall system.	Technical	Terms and conditions of the tender document will prevail.
157	Annexure-A	518/1149	38.1.1	Weather monitoring device shall be mounted on tubular steel pole of required height. The pole shall conform to IS: 2713.	IS 2713 is pertaining to transmission line poles, where the standard length of poles will be 9 m and above. In case of WMS & LA poles shall be as per the OEM recommendations. Please accept and remove the IS reference.	Technical	The terms and conditions of Bidding Document will prevail
158	0	0	38.3.1	The LA mast shall be a self-supporting structure with GI tubular pole of required height. The pole shall confirm to IS: 2713.	0	Technical	Query Not Clear
159	Annexure-A	518/1149	38.1.2	The pole shall be secured to an independent RCC foundation structure through Base plate and Anchor bolt assembly.	Base plate and anchor bolt are not the standard offering of the OEMs for WMS & LA OEMs for the foundations. Foundation design shall be as per the OEM recommendations. Please accept.	Technical	The terms and conditions of Bidding Document will prevail
160	Annexure-A	518/1149	38.3.2	The pole shall be supported on RCC pedestal and foundation structure through Base plate & Anchor bolt assembly.	0	Technical	Query Not Clear
161	Annexure-A	518/1149	38.3.4	The support structure shall be hot-dip galvanized. Min depth of foundations shall be 1200 mm below GL.	The depth of the foundation shall be decided based on the soil conditions during detailed engineering and this minimum requirement may please be removed.	Technical	Kindly refer S.No. 9 of amendment 1.
162	Annexure-A	518/1149	38.2.1	SMU shall not be supported from MMS and shall have an independent structural steel supporting frame of galvanized ISMC 75 with transverse diagonal bracings of ISA 65x65x6 to each column post.	SMU is proposed to be mounted on the MMS structure. The additional load of the SMU shall be considered for the design of structure. Please accept	Technical	The terms and conditions of Bidding Document will prevail
163	Annexure-A	518/1149	38.2.4	The support structure shall hot-dip galvanized and of adequate height to ensure min. ground clearance of 1.0 m to SMU unit.	Minimum ground clearance of the SMU unit shall be 500 mm inline with PV module ground clearance on MMS and prudent industry practice.	Technical	Kindly refer S.No.10 of amendment 1.
164	Annexure-A	465/1149	22.6	The system shall support video analytics in respect of the following: (i) Video motion detection (ii) Object tracking (iii) Object classification	Object classification & object tracking are not required for PV power plant monitoring purposes. Please remove these for optimizing the overall system design.	Technical	Terms and Conditions of the tender document will prevail.
165	Annexure-A	462/1149	21.1.1	The Contractor shall provide minimum 6 (six) number of secondary standard pyranometers (ISO 9060 classification) along with necessary accessories, two numbers each for measuring the incidental solar radiation at horizontal, inclined plane of array and albedo at each site.	Please confirm whether total requirement for the project is 6 nos or 12 nos.	Technical	Total nos. of pyranometers for the project shall be 6.

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166	Annexure-A	466/1149	23.4	Minimum two numbers of fire extinguishers (CO2 and Foam type each, of capacity 10 kg having BIS certification marking as per IS: 2171) shall be provided at every building/enclose, transformer yard and switchyard.	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 The standard available CO2 fire extinguishers are of 9 kg capacity. Please accept and revise	Technical	Kindly refer S.No.48 of amendment 1.
167	Annexure-A	420/1149	11.2	110 V DC system (Battery, Battery Charger & DCDB) in accordance with this specification and standards stated herein, shall comprise of the following. (i) Sealed Maintenance Free (VRLA) Battery complete with racks & accessories. (ii) One No. Float charger. (iii) One No. Float cum Boost charger.	Suitably rated DC/AC converter connected to the UPS shall be used to meet the DC control supply requirement of switchgear panels instead of FCBC and battery. This will help in optimization of system design and improvement of maintenance Please accept.	Technical	Terms and conditions of the tender document will prevail.
168	Annexure-A	390/1149	2.2.8	UV resistant printed cable ferrules for solar cables & communication cables and punched/embossed aluminum tags for DC cables shall be provided at cable termination points for identification.	There are no UV resistant ferrules available in the industry and also these ferrules will not be directly exposed to the sun light. Hence please remove this UV resistant requirement.	Technical	Kindly refer S.No.78 of amendment 1.
169	Annexure-A	427/1149	15.1.3	The interface shall allow integration with Surveillance System(s), Module Cleaning System and various other O&M support systems to provide a Data Analysis and Decision Support System for smooth and efficient Plant Operations.	CCTV shall be a independent system for better flexibility and operability. Module cleaning system shall be preferable as a manual operated system with no digital inputs in the maintenance point of view. Hence requirement of interfacing these systems to SCADA may please be removed.	Technical	CCTV Surveillance system may be independent system. For monitoring water usage, SCADA shall have provision to monitor the water consumption for Module Cleaning using smart/digital flow meter(s).Kindly refer S.No. 79 of amendment 1.
170	0	0	0	General	Its evident that project is scattered in multiple land parcels/sites. Please confirm the distance between these land parcels to ascertain the connectivity required between them.	Technical	Please refer the Plant Boundary Layout uploaded with amendment 1
171	Annexure-C	603/1149	2.4	Eac is the number of units recorded in the plant end ABT meter excluding auxiliary consumption, kWh	Please confirm the metering point for the Solar PV power plant CUF calculation, as BESS will be interconnected at 33 kV.	Technical	Plant Metering Point for CUF shall be at the 132 kV Pant end Switchyard
172	Annexure-A	413/1149	7.8.2	Cables within transformer yard and switchyard shall be laid through RCC cable trench with supports.	Please allow to lay the cables in transformer yard and switchyard directly buried as these are armored cables and will reduce the installation time considerably.	Technical	Terms and conditions of the tender document will prevail.
173	Annexure-A	422/1149	12.2.2	Inspection chamber and lid shall be provided as per IS 3043.	Please allow the prefab earthing inspection chamber and lids for easy and faster installation, as earth pits are generally maintenance free.	Technical	Pre-fab earthing inspection chamber and lids are acceptable as per IS 3043
174	Annexure-A	469/1149	24.6	Infra-red thermal imaging camera: Geometric resolution 640 x 480 pixels	Please accept the Infra-red thermal imaging camera of Geometric resolution 320 x 240 pixels, which will serve the O&M requirement of PV power plant.	Technical	640x480 pixels with Software enhancement shall be acceptable. Terms and conditions of the tender document will prevail.
175	Annexure-A	364/1149	1	Proposed AC capacity (MW): 100	When AC capacity at the injection is limited to 100 MW, inverter overload loss shall be 12 to 14% and hence PR shall be in the range of 66% to 68%. PR of 82% can never be achieved. Please clarify.	Technical	Considering use of Bifacial Modules, PR of 82% shall be achievable.
176	0	365/1149	0	PR: 82?	0	Technical	Kindly refer the PR formula given in Clause 2.1.1 of Annexure-C (PG Test Procedure) to Technical Specifications. The formula has in-built temperature correction. Terms and conditions of the tender document will prevail.
177	Annexure-A	364/1149	1	Cumulative Inverter Capacity (Min.): 175	When AC capacity is considered as 175 MW, in the available area, CUF of 36.5% can never be achieved. Please clarify.	Technical	Cumulative Solar Inverter Capacity shall be minimum 120 MW and CUF shall be Calculated in accordance with the Plant Capacity. Kindly refer S.No.57 of amendment 1.

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178	0	365/1149	0	CUF: 36.5?	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020	Technical	Kindly refer the CUF formula given in Clause 2.4 of Annexure-C (PG Test Procedure) to Technical Specifications. The CUF is calculated based on plant AC capacity and radiation correction factor is also included. Kindly refer S.No 47 and S. No. 57 of amendment 1.
179	Annexure-A	364/1149	1	Cumulative Inverter Capacity (Min.): 175	Please confirm the required power transformer rating 2x50 MVA (100 MVA) to be connected to the cumulative inverter rating of 175 MVA	Technical	power transformer rating 2x50 MVA (100 MVA) shall be connected to the cumulative inverter Transformer rating of 140 MVA and 40 MVA BESS Transformer rating.
180	0	0	0	Power trx: 2x50	0	Technical	Query Not Clear
181	Annexure-A	393/1149	4.1	IEC 62116 Ed. 2 - Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures	Please accept: IEC 62116 or IEEE 1547 or UL1741 - Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures	Technical	Kindly refer S.No. of amendment 1.
182	Annexure-A	393/1149	4.1	As per the Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017, Inverters used in the grid connected solar power projects shall be registered with BIS and bear the Standard Mark as notified by the Bureau of Indian Standards	BIS certification procedure for MW scale inverters still under draft and is yet to be adopted by labs in India. Self certification from OEM to be allowed in line with BIS notification. Please confirm.	Technical	Self Certification shall be allowed as per the extant Gol Order.
183	Annexure-A	394/1149	4.4.2	Every DC input terminal of PCU shall be provided with fuse/MCB/MCCB of appropriate rating. The combined DC feeder shall have suitably rated isolators for safe start up and shut down of the system.	If MCB/MCCB is provided for each DC input terminal of PCU, isolator is not required at the combined DC input feeder. This repetitive requirement may please be avoided as OEMs don't have this type tested variant. Please accept and revise.	Technical	Terms and Conditions of the tender document will prevail.
184	Annexure-A	394/1149	4.4.3	Type-II surge protective device (SPD) conforming to IEC 61643-11 shall be connected between positive/ negative bus and earth.	IEC 61643 11 refers to requirements & test methods only. Please revise to IEC 61643-11 & 12.	Technical	Terms and conditions of the tender document will prevail.
185	Annexure-A	414/1149	9.1	LT Switchgear Standards and Codes: IS/IEC 61439-1, IS/IEC 61439-2	Compliance to IEC 61439 is very restrictive and many Indian credible OEMs are not getting qualified. Kindly remove this standard or revise this requirement to IEC 61439/IS 8623	Technical	Terms and conditions of the tender document will prevail.
186	Annexure-A	414/1149	9.1	IEC 60947-1, IEC 60947-2, IEC 60947-3, IEC 60947-4-1, IEC 60947-5-1	Please accept the LT switchgear complying to IEC 60947/ IS13947	Technical	LT switchgear complying to IEC 60947 and its Indian Equivalent IS 13947 shall be acceptable.
187	Annexure-A	468/1149	24.4	Digital Multimeter: Display - Minimum resolution: 5 ¼ places for DC, 4 ¼ places for AC	The specification of resolution/digits is becoming restrictive and credible vendors are not getting qualified. Please remove this specification.	Technical	Kindly refer S.No. of amendment 1.
188	0	469/1149	24.7	Digital lux meter: Display - 3½ digits, Backlit LCD/LED	0	Technical	Query Not Clear
189	0	0	0	General	Please provide the ACAD drawing with actual earmarked area for the proposed Solar PV power plant installation.	Technical	Please refer the Plant Boundary Layout unloaded.

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190	PCC	311 of 1149	PCC 10.3	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020</p> <p>The Employer shall facilitate the contractor in acquiring and obtaining for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located which (a) such authorities or undertakings are to obtain in the Employer's name, (b) are necessary for the execution of the Contract, including those required for the performance by both the Contractor and the Employer of their respective obligations under the Contract, and (c) are specified in the Appendix (Scope of Works and Supply by the Employer). The related payments/fees of obtaining permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located will be in the contractor scope.</p>	SECI is requested to please consider remittance of related payments/fees of obtaining permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in Employer scope including ROW compensation for 132 kV T/L	Contractual	The terms and conditions of Bidding Document will prevail
191	Scope of Work	369 of 1149	Procurement & Supply Clause 4.1.26	Design & construction of Transmission line/ cable at required voltage level from plant take off point to the designated substation including right of way (ROW) and construction of bay at designated substation as per TRANSCO requirements/procedures	SECI is requested to support Contractor in expeditious settlement of ROW with respective agencies. Accordingly, we would request SECI to consider Completion schedule of 18 months from the date of ROW settlement w.r.t. complete land acquisitions	Technical	Original clause shall prevail.
192	0	0	General	0	SECI is requested to include vendor list if any at the tender stage itself for the project components, else the Approving Authorities are to accept vendors finalized by the Contractor at post award stage based on Contractor's evaluation. Such evaluation documents will be submitted to the approving agency for information and record only. Kindly confirm	Technical	Vendors finalized by the EPC Contractor in the post award stage meeting the technical specifications and qualifying criteria, if any, laid out in the tender shall be acceptable.
193	0	0	General	0	SECI is requested to provide documents to Bidders regarding approval/ license to establish the tendered project.	Technical	Necessary documents shall be provided after Award of Contract.
194	0	0	General	0	The project completion date will be extended proportionately in case the key regulatory / authority clearances are delayed beyond two months from the date of applications along with complete set of documents by the Contractor. Kindly confirm	Technical	It is in the scope of contractor to obtain all the necessary approval as required for the project and no extension will be given because of the delay in obtaining approvals. SECI will have right to examine such issues on case to case basis.

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195	0	0	General	0	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 In case contractor makes the project ready for commissioning as per contractual timeline, but the grid connectivity cannot be established within a month from such date due to reasons beyond Contractor's control; in such a case the project will be considered as deemed commissioned and payment will be released to contractor in full as per agreed T.O.P. Also the 10 year O&M will start from such date of deemed commissioning. Kindly confirm	Technical	As the construction of 02 Nos of 132kV feeder bay at 220kV Thelkadih Substation will be carried out by CSPTCL. If the project is ready for commissioning as per contractual terms conditions, scope and timelines and if there is any delay in construction of the bay from CSPTCL end then in this case only deemed commissioning shall be provided upon verification by SECI. However upon completion of feeder bay, the contractor has to demonstrate the required functional and operation guarantee without failure. If the plant fails to meet the required parameters then the commissioning date will be treated as date on which contractor will demonstrate the plant performance and the O&M will commence as per the timelines mentioned in the tender document.
196	0	0	General	0	Deferred payment for O&M is not practicable as this will create payment issue to the O&M agency. SECI is requested to kindly review and confirm	Financial	The terms and conditions of Bidding Document will prevail
197	Scope of Work	page - 369 of 1149	Cl. 4.1.26 & 4.1.27	4.1.26 Design & construction of Transmission line/ cable at required voltage level from plant take off point to the designated substation including right of way (ROW) and construction of bay at designated substation as per TRANSCO requirements/procedures. 4.1.27 Any re-arrangement/ replacement of substation equipment/ materials, including bay construction, if required, at the evacuating substation necessary for evacuation of power from the Plant.	i) We assume that bidders scope also include construction of 2 nos. line bays at 220/132kV CSPTCL Thelkadi Substation for termination of 132kV transmission line. Please confirm. ii) Kindly clarify the detailed scope of work required at 220/132kV Thelkadi Substation. iii) Kindly Clarify the scope of control and protection at Thelkadi Substation. iv) We understand that sufficient clear space is available at Thelkadi S/S for bay extension. v) We assume that spare AC & DC feeder are available for auxiliary supply of proposed bay extension work. Please confirm.	Technical	Construction of 02 Nos of 132kV feeder bay at 220kV Thelkadih Substation is not in the scope of bidder. SECI has obtained the approval for construction of 02nos of feeder bay from CSPTCL on deposit work basis . SECI will bear the cost of construction of the 2 nos of bay. However design , approval & construction of necessary infrastructure at substation end for interconnection of the 132kV transmission line to these 02 nos of feeder bay and complying all the rules and regulation of the state/central utility is in the scope of bidder
198	0	0	General	0	Kindly provide the following drawings of 220/132kV substation at Thelkadi. I) Single line diagram of existing substation. ii) Layout and section drawing of substation. Iii) Earthmat and Trench drawing. Iv) Control Protection scheme drawing.	Technical	Construction of Bay in the Scope of Owner. However, laying of PLCC at both end - Plant and Telkadih substation shall be in the scope of the Contractor. Kindly refer S.No.37 of amendment 1.
199	Scope of Work	370 of 1149	5.1.14	5.1.14 Suitable Communication System for telemetry, EMS/SCADA with remote monitoring capabilities and internet facility.	Kindly clarify the scope and type of communication system.	Technical	Communication protocol shall be IEC 60870-5-101 or IEC 60870-5-104 protocol as per Chhattisgarh SLDC Guidelines for Planning of Telemetry & Voice Communication
200	Scope of Work	372 of 1149	7.1	Operation and Maintenance	i) We understand that O&M of 132kV Substation and 132kV transmission line is also in scope of bidder. Please confirm. ii) We understand that complete manpower, O&M spare, tools required for O&M is in scope of bidder. Please confirm. Iii) We understand that number of Manpower required for O&M shall be decided by bidder. Please confirm.	Technical	The O&M for complete plant , BESS, plant side switchyard, transmission line, PLCC, Equipments at s/s etc. except 02 no's of feed bay is in the scope of bidder. So, bidder has to properly assess the manpower, spares, tools , consumables etc. required for the complete O&M period .

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201	Scope of Work	372 of 1149	7.1	Operation and Maintenance	Clarifications to Queries raised during Pre Bid Meeting on 20.09.2020 We understand that any O&M work at CSPTCL 220/132kV Thalkadi substation is not in scope. Please confirm.	Technical	O&M of feeder bay is not in the scope of bidder.
202	Scope of Work	375 of 1149	8.6	The Contractor will attend to any breakdown jobs immediately for repair/ replacement/adjustments and complete at the earliest working round the clock. During breakdowns (not attributable to normal wear and tear) in O&M period, the Contractor shall immediately report the accidents, if any, to the Employer showing the circumstances under which it happened and the extent of damage and/or injury caused.	We assume that emergency restoration of transmission line during breakdown of 132kV transmission line is not required. Only routine repair/replacement/adjustment (if required) is in scope. Please confirm.	Technical	Emergency and routine maintenance of transmission line is in the scope of the EPC Contractor.
203	Technical Specifications	517 of 1149	37.1	Galvanized 220 kV and 132 kV Transmission Line towers, Tower extensions & accessories and 11 kV, 22kV, 22kV & 33 kV transmission poles, towers & accessories shall be designed following latest guidelines of respective SEB (State electricity board)/.....	We assume that only 132kV line is in scope. Any other transmission line is not required. Please confirm.	Technical	Power evacuation from the Plant is at 132 kV.
204	0	0	General	0	Kindly confirm whether any Mandatory spare is required for Switchyard or not. If yes, then kindly provide the list.	Technical	Kindly refer annexure 1 of amendment 1.
205	0	0	General	0	SECI is requested to clarify whether O&M of Overhead T/L is also in the Contractor's scope. Also, SECI may please inform key guiding requirements of SECI for the purpose of handing over of the asset at the end of 10 year O&M.	Technical	Yes routine and Emergency O&M of the transmission line is in the scope of the Contractor. This should include complete record of maintenance of the lines, foundations of transmission towers etc.
206	0	0	General	0	SECI is requested to provide details/ schedule of O&M to be carried out including relevant intervals for each activity.	Technical	Please refer Appendix 8 of the Annexure A of the RfS
207	0	0	General	0	SECI is requested to clarify about the agency who would be carrying out system studies for the tendered project.	Technical	Query Not Clear
208	0	0	General	0	SECI is requested to provide coordinates and profiles of land parcels acquired for the project duly marking/ assigning the plants and facilities. SECI is to provide such lands with clear title of ownership.	Technical	Please refer Plant boundary and contour details uploaded with Amendment 1.
209	0	0	General	0	During the course of execution of 132KV T/L package, if the route of the T/L and (or) associated substations is required to be altered due to any administrative / regulatory reasons; the associated financial implications including extension of delivery will be mutually agreed upon between SECI and Contractor before taking up project execution any further. To do this, contractor will submit detailed Bill of Material for inclusion of the same in the LOA/ Contract documents. Kindly confirm	Contractual	Route survey and erection of TL line up to connecting substation at Tehkadih is in the scope of the contractor. In case of change of interconnecting substation shall be dealt in line with the change order provision provided in tender.
210	0	0	General	0	SECI to share details of approving details of authority(ies) for project drawings and documents and ROW clearances – land, forest, highways, river, railways, town/city, etc.	Technical	Solar Plant related drawings shall be approved by SECI. Switchyard/transmission line related drawings shall be as per CSPTCL and to be approved by SECI/CSPTCL. RoW clearances are to be obtained by the Contractor from concerned authorities.

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211	0	0	General	0	Clarifications to Queries during the Pre-Bid Meeting @ MVSO on 09.09.2020 Upgradation or modification in any of the project / plant component that may arise due to changing grid requirements, will be done by the Contractor with additional price implications. For such new requirements fresh techno-commercial offer(s) will be submitted to SECI for approval before taking up execution of the same. Kindly confirm	Technical	Upgradation or modification of the Project mandated due to change in grid requirements shall be in the scope of the Owner.
212	0	0	General	0	Please furnish Tentative coordinates for the sending-end 132kV station (Generation end)	Technical	It shall be as per design finalized during detailed engineering.
213	0	0	General	0	Please furnish Overall System SLD/ Block Diagram showing following details 1. Electrical Single Line Diagram at Local end(s) 2. Overall Plot plan 3. Communication System with remote end, if any 4. Details regarding communication with SLDC	Technical	Shall be proposed by the Contractor during detailed Engineering.
214	0	0	General	0	Please furnish 1. Electrical Single Line Diagram at Remote CSPTCL end (220/132 kV Telkadih Substation) 2. Key Protection Diagram at Remote CSPTCL end 3. Please confirm whether earthing system, fire fighting system, illumination needs to be supplied at remote end. 4. Details of TRANSCO norms for control and protection of 132 kV Line 5. Equipment ratings for remote end station.	Technical	Construction of Bay in the Scope of Owner. SLD of connecting substation is enclosed with Amendment 1.
215	0	0	General	0	Please furnish Evacuation capacity required for each transmission line	Technical	Evacuation capacity for each line shall be 75 MW.
216	0	0	General	0	Scope of approvals for transmission line DBR/ route survey/ equipment drawings/ tower structure & foundation drawings/ vendor approvals - SECI scope or TRANSCO approval required.	Technical	It shall be per CSPTCL and SECI as per requirement
217	0	0	General	0	Please furnish Coordinates for take off gantry required.	Technical	Shall be as per design proposed by EPC Contractor.
218	0	0	General	0	Please specify fault level of 132kV s/s	Technical	Bidder has to properly assess the fault level and other details at substation end.
219	0	0	General	0	Please confirm if we can use moving blades of Al. with copper contacts	Technical	Terms and Conditions of the tender document will prevail.
220	0	0	General	0	Please clarify the overload duration for isolator.	Technical	Please refer Clause No.19.4.1 of TS.
221	GCC	207 of 1149	10.2	The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified in the Appendix to the Contract Agreement titled Scope of Works and Supply by the Employer. The Employer shall give full possession of and accord all rights of access thereto on or before the date(s) specified in that Appendix.	As per GCC clause 10.2, the scope of Right of Way (ROW) in the scope of SECI. However the clause no. 4.1.26 of Scope of Work and CI 25.3 of Technical specification. We request you to kindly confirm that the scope of Right of Way (ROW) shall be in the scope of SECI. Kindly confirm.	Technical	ROW for transmission line is in scope of contractor.

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222	Scope of Work	369 of 1149	4.1.26	Design & construction of Transmission line/ cable at required voltage level from plant take off point to the designated substation including right of way (ROW) and construction of bay at designated substation as per TRANSCO requirements/procedures.	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 0	Technical	Query Not Clear
223	Technical Specifications	470 of 1149	25.3	The ROW for the TL/UG cable shall be obtained prior to the construction of the line from the concerned authorities.	0	Technical	Query Not Clear
224	Scope of Work	371 of 1149	6.1	Forest Department, if required	We understand that the Forest Clearance and obtaining tree felling permission for the entire project including transmission line is in the scope of SECI/State Agency. Kindly confirm.	Technical	Original clause shall prevail. However SECI will assist in obtaining any approvals required for the project.
225	Environmental and Social Due Diligence Report	739 of 1149	Table 4-4	Forest Clearance for land diversion is in the scope of SECI/State Agency	0	Technical	Kindly refer S.no. 72 of amendment 1.
226	Environmental and Social Due Diligence Report	786 of 1149	Table 4-9	Obtain statutory forest clearances from the Government is in the scope of SEC/State Agency Compensatory plantation to be done against the tree felling as per rule	0	Technical	Original clause shall prevail
227	Environmental and Social Due Diligence Report	816 of 1149	7.1	Permission for tree felling (if any) shall be obtained from the Forest Department	0	Technical	Kindly refer S.no. 72 of amendment 1.
228	Environmental and Social Due Diligence Report	739 of 1149	Table 4-4	Tree felling permission for tree cutting for establishment of solar-wind hybrid park or transmission line is in the scope of SECI/State Agency	0	Technical	Kindly refer S.no. 72 of amendment 1.
229	Environmental and Social Due Diligence Report	816 of 1149	7.1	Permission shall be obtained for the use of water for construction purpose from irrigation department/CGWA (for Surface or Ground Water) respectively.	We request SECI to kindly consider the scope to obtain permission from irrigation department/CGWA in the scope of employer.	Technical	Original clause shall prevail
230	Environmental and Social Due Diligence Report	689 of 1149	0	Environmental and Social Impacts and their Mitigation	We request SECI to kindly the scope of Environmental and Social Impact Assessment and mitigation in the scope of Employer.	Technical	SECI will carry out the ESIA of the project and the Environmental and Social Due Diligence Report has already been incorporated in the tender document. Based on the ESDDR report and site survey contractor will prepare and submit Environment and Social Management Plan to SECI for approval. The cost towards preparation of ESMP report and its mitigation plan, its implementation is in the scope of the contractor.
231	Environmental and Social Due Diligence Report	815	6	Responsibility to obtain 'Consent' from State Pollution control Board for establishment and operation of STPs is of SECI/EPC Contractor	We request SECI to kindly the consider the scope to obtain 'Consent' from State Pollution control Board in the scope of employer. However, Contractor will provide required support.	Technical	Kindly refer S.no. 73 of amendment 1.
232	0	0	0	Environmental and Social Impacts and their Mitigation	Kindly confirm that the scope of contractor shall be limited to Social Impact assessment i.e. study & Report and no other cost towards this shall be borne by Contractor.	Technical	SECI will carry out the ESIA of the project and the Environmental and Social Due Diligence Report has already been incorporated in the tender document. Based on the ESDDR report and site survey contractor will prepare and submit Environment and Social Management Plan to SECI for approval. The cost towards preparation of ESMP report and its mitigation plan, its implementation is in the scope of the contractor.

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233	0	0	General	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 Detailed risk assessment and mitigation plan.	Kindly confirm that the scope of contractor shall be limited to assessment and no other cost towards this shall be borne by Contractor.	Technical	SECI will carry out the ESIA of the project and the Environmental and Social Due Diligence Report has already been incorporated in the tender document. Based on the ESDDR report and site survey contractor will prepare and submit Environment and Social Management Plan to SECI for approval. The cost towards preparation of ESMP report and its mitigation plan, its implementation is in the scope of the contractor.
234	0	0	General		In the price bid format, bidder to put the values for BCD/SG/ADD/SWS. At present, on some items there is NIL BCD/SGD/ADD/SWS. Please clarify if BCD/SGD/ADD/SWS shall be re-imburse at actuals in case of imposition of same during the execution of contract.	Contractual	Clause No 36 of the GCC amply clarifies about the Change in law provisions. Kindly refer the same
235	0	0	General	0	It is requested to kindly share the share the generation curve for the working and preparation of offer.	Technical	Power from the Solar PV generation plant shall be injected into the grid either directly from the solar field or from the BESS. BESS shall be charged fully from solar power generation that is over and above the evacuation capacity during daytime. The energy stored in the BESS shall be discharged completely at the BESS rated Power during non-solar hours so as to deliver the expected dispatchable energy at the PCC as specified elsewhere in the specifications .
236	0	0	General	0	It is understood that there are area(s) which are scattered and Bidder has to install the plant over these scattered area(s). Kindly confirm that is there any Right of Way (ROW) issues to be involved in connecting the plant scattered over the different area(s). In cas eof any ROW issue associated with it, we request SECI to be considered in the scope of Employer.	Technical	The Forest clearance (if any) required for the identified land parcels of 188 hectare for setting up of the project will be obtained by CSPDCL/SECI . Its contractor scope to obtain the required approvals, ROW between the connecting patches . However SECI will assist in obtaining such approvals.
237	0	0	General	0	Estimated cost of 963 Cr for the project is seems to be very lower side as per the present market level. In case, L1 bidder's price is higher than Rs 963 Cr, what will be the methodology of award of work.	Technical	The project cost as specified is an estimated cost with various assumptions which has no relationship with the tender cost. This cost was assessed during the Environment and social due diligence. Bidders are requested to quote based on their due diligence of the scope of work and Technical specifications, timelines etc as specified in the tender document and has to the quote their best competitive price.
238	0	0	General	0	In cas eof Right of Way (ROW) issues/ mitigation, we request to consider that the required support will be provided by SECI and there will be joint responsibility of SECI and Contractor for any such issue arises.	Technical	SECI has not carried out any route survey for transmission line. However the length will be about 33km approx. Bidders are required to carefully access the length of transmission line from project site till 220/132kV CSPTCL's Thelkadih substation and quote accordingly as the complete scope design, approval, ROW, construction of transmission line is in the scope of contractor/developer
239	0	387 of 1149	1.5.1	PV modules must be warranted with linear degradation rate of power output except for first year (maximum 3% including LID) and shall guarantee 80% of the initial rated power output at the end of 30 years.	We request to kindly consider the module warranty up to 25 years instead of 30 years as this will restrict the module vendors.	Technical	Terms and Conditions of the tender document will prevail.

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240	0	0	General	0	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 As the plant's ownership will be of SECI during the O&M, we request SECI to take insurance of plant and transmission line.	Technical	The insurance of plant during construction and O&M period to be taken in the name of employer which is in the scope of contractor. Insurance of transmission line is not included in the scope of contractor. However necessary spares of tower, isolator, conductor etc has to be taken into account and has to be kept at site by the contractor.
241	GCC	246 of 1149	27.2	The Defect Liability Period shall be five hundred and forty (540) days from the date of Completion of the Facilities (or any part thereof) or one year from the date of Operational Acceptance of the Facilities	As the O&M period is of 10 years, there is no requirement of defect liability. We request SECI to kindly consider.	Contractual	Terms and Conditions of the tender document will prevail.
242	Appendix 1	330 of 1149	Schedule 1	10% - Advance Payment 70%- upon delivery to the destination within 45 days after receipt of materials and relevant documents 10%- upon successful erection, testing and commissioning of materials at site and Operational Acceptance of the plant pursuant to successful functional Guarantee Tests. 10 %- within 45 days of receipt of invoice after final acceptance of the Plant facilities or completion of First year of O&M of Plant, whichever is later, pursuant to submission of all requisite documentation including submission of all as-built drawings and documents.	We request to kindly accept the payment terms as per following. i. 10% of Supply Contract Value as Advance payment ii. 65% of supply contract value on dispatch of equipment on pro-rata basis against Letter of Credit (L/C) payable at sight iii. 15% on Material receipt Confirmation on site on pro-rata basis iv. 10% on commissioning of project	Financial	Kindly refer S.No.66 of amendment 1.
243	Appendix 1	330 of 1149	Schedule 2	10% - Advance Payment 70%- upon delivery to the destination within 45 days after receipt of materials and relevant documents 10%- upon successful erection, testing and commissioning of materials at site and Operational Acceptance of the plant pursuant to successful functional Guarantee Tests. 10 %- within 45 days of receipt of invoice after final acceptance of the Plant facilities or completion of First year of O&M of Plant, whichever is later, pursuant to submission of all requisite documentation including submission of all as-built drawings and documents.	We request to kindly accept the payment terms as per following. i. 10% of Supply Contract Value as Advance payment ii. 65% of supply contract value on dispatch of equipment on pro-rata basis against Letter of Credit (L/C) payable at sight iii. 15% on Material receipt Confirmation on site on pro-rata basis iv. 10% on commissioning of project	Financial	Kindly refer S.No.67 of amendment 1.

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Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020							
244	Appendix 1	331 of 1149	Schedule 4	10%- Advance Payment 80% - of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made monthly within 45 days after receipt of invoice. 5%- of the total or pro rata value of installation and other services within 45 days of Operational Acceptance of the plant pursuant to successful integration with existing internal grid system & functional Guarantee Tests and completion of all the civil works including finishing and debris removal. 5%- of the total or pro rata value of installation and services within forty-five (45) days after receipt of invoice after final acceptance of the Plant facilities or completion of First year of O&M of Plant, whichever is later, pursuant to submission of all requisite documentation including submission of all as-built drawings and documents.	We request to kindly accept the payment terms as per following. 1. 10% of Work Contract Value - Mobilization Advance Payment 2. 80 % of Work Contract Value - Against monthly RA bills for the Works executed at site 3. 10 % of Work Contract Value - Upon Commissioning	Financial	The terms and conditions of Bidding Document will prevail
245	GCC	259 of 1149	36.1	If, after the date twenty-eight (28) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed which shall be deemed to include any change in interpretation or application by the competent authorities, that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.	These two terms of tender documents are contradictory. At present, BCD/SGD/ADD/SWS may not be applicable on certain item/equipment but can be imposed by govt during the execution stage. Hence, we request SECI to kindly consider that the BCD/SWS/SGD and ADD will be re-imbursed at actuals without ceiling and as per the change in law clause no. 36.1 of GCC.	Contractual	Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.

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246	0	0	Schedule -1	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020</p> <p>BCD+SWS & SGD/ADD being of reimbursement nature duties, Employer will reimburse the amount for BCD+SWS & SGD/ADD at actuals against the submission of documentary evidence only, with a MAXIMUM CEILING of BCD+SWS & SGD/ADD charges as mentioned by the Bidder in the Price Schedules No 1 at the time of bidding. Bidders are required to quote the applicable BCD+SWS & SGD/ADD with due diligence & appropriate financial prudence, as afterwards bidders will not be able to change or claim such taxes & duties already quoted during the bid. No BCD+SWS & SGD/ADD will be reimbursed to the contractor in the absence of documentary proofs</p>	0	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
247	GCC	259 of 1149	36.1	<p>If, after the date twenty-eight (28) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed which shall be deemed to include any change in interpretation or application by the competent authorities, that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.</p>	<p>These two terms of tender documents are contradictory.</p> <p>we request SECI to kindly consider that the GST/taxes will be re-imbursed at actuals without ceiling and as per the change in law clause no. 36.1 of GCC</p>	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
248	0	0	Schedule -2	<p>The payment of GST by the Employer shall only be at the CEILING of GST as mentioned by the Bidder in the Schedule No 2 at the time of bidding. Bidders are required to quote the applicable GST with due diligence & appropriate financial prudence, as afterwards bidders will not be able to change or claim the GST charges already quoted during the bid.</p>	0	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>

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249	GCC	259 of 1149	36.1	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020</p> <p>If, after the date twenty-eight (28) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed which shall be deemed to include any change in interpretation or application by the competent authorities, that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.</p>	<p>These two terms of tender documents are contradictory.</p> <p>we request SECI to kindly consider that the GST/taxes will be re-imbursed at actuals without ceiling and as per the change in law clause no. 36.1 of GCC</p>	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
250	0	0	Schedule -3	<p>The payment of GST/Taxation by the Employer shall only be at the CEILING of GST/Taxation as mentioned by the Bidder in the Schedule No 3 at the time of bidding. Bidders are required to quote the applicable GST/Taxation with due diligence & appropriate financial prudence, as afterwards bidders will not be able to change or claim the GST charges already quoted during the bid.</p>	0	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
251	GCC	259 of 1149	36.1	<p>If, after the date twenty-eight (28) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed which shall be deemed to include any change in interpretation or application by the competent authorities, that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.</p>	<p>These two terms of tender documents are contradictory.</p> <p>we request SECI to kindly consider that the GST/taxes will be re-imbursed at actuals without ceiling and as per the change in law clause no. 36.1 of GCC</p>	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
252	0	0	Schedule -4	<p>The payment of GST/Taxation by the Employer shall only be at the CEILING of GST/Taxation as mentioned by the Bidder in the Schedule No 4 at the time of bidding. Bidders are required to quote the applicable GST/Taxation with due diligence & appropriate financial prudence, as afterwards bidders will not be able to change or claim the GST charges already quoted during the bid.</p>	0	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission.</p>

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253	GCC	259 of 1149	36.1	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020</p> <p>If, after the date twenty-eight (28) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed which shall be deemed to include any change in interpretation or application by the competent authorities, that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.</p>	<p>These two terms of tender documents are contradictory.</p> <p>we request SECI to kindly consider that the GST/taxes will be re-imbursed at actuals without ceiling and as per the change in law clause no. 36.1 of GCC</p>	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
254	0	0	Schedule -5	<p>The payment of GST by the Employer shall only be at the CEILING of GST as mentioned by the Bidder in the Schedule No 5 at the time of bidding. Bidders are required to quote the applicable GST/Taxation with due diligence & appropriate financial prudence, as afterwards bidders will not be able to change or claim the GST charges already quoted during the bid.</p>	0	Contractual	<p>Bidders are required to exercise utmost due diligence, while quoting the various taxation components as the BCD+SWS & SGD/ADD will be reimbursed as per the ceiling to the value as mentioned by the bidder doing its bid submission. The ceiling amount is applicable only for the purpose of Award, however, any change in such taxes and duties or introduction of new law during the entire course of the contract, will be treated in line with the "Change in Law & Regulations" GCC clause 36 of the RfB.</p>
255	0	0	General	0	<p>Please confirm the number of bays and capacity, required to be considered at 220/132 kV Telkadih Substation</p>	Technical	<p>Construction of bay at connecting substation is in scope of owner. Kindly refer S.No. 38 of amendment 1.</p>
256	Technical Specifications	529 of 1149	3.1.1	<p>The BESS Supplier/sub-Contractor must have the experience of having successfully completed Design, Engineering, Procurement, Construction, Installation, Testing and Commissioning of Grid Connected Battery Energy Storage System (BESS) of at least 03 (Three) Grid connected BESS Plants, each having an individual capacity of 5 MWh (Five Mega Watt Hour) or above in last Five years. Also, such BESS Plant capacity must have been in satisfactory operation for at least 12 (Twelve) months from the date of commissioning.</p>	<p>BESS being fairly new technology, has got very few grid connected BESS plant installations by BESS OEMs/suppliers as of now.</p> <p>Further, China being the hub of Li-ion battery suppliers, the present import restrictions from China also restricts availability of such BESS Supplier/Sub-Contractors who meet this tender requirements.</p> <p>The stringent qualifying requirement for a BESS supplier/sub contractor at this stage may result into limited participation.</p> <p>Bidder requests to modify the qualifying requirement for a BESS supplier/sub contractor to "....and Commissioning of cumulative 5MWh of BESS with atleast 01 Grid Connected BESS Plant of capacity 2MWh or above in last Five years...." to ensure maximum participation.</p> <p>Please accept.</p>	Technical	<p>Kindly refer S.No.28 of amendment 1.</p>

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257	0	0	0	0	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020</p> <p>BESS is a fairly new concept in India. The cumulative BESS installed capacity in India is very low at present and grid connected BESS even lower. As per Bidder's understanding, no BESS supplier in India is meeting the BESS QR locally.</p> <p>Bidder request that Indian subsidiaries/Indian registered Joint Venture Companies of Global BESS OEMs may please be allowed to qualify as BESS Supplier/Sub-Contractor based on their Parent Company's Credentials meeting the BESS QR globally.</p> <p>Please accept.</p>	Technical	Kindly refer S.No. of amendment 1.
258	0	0	0	0	Bidder understands that the cut off date to calculate last 5 years and 1 year of operational experience shall be 180th day from the effective date of Contract Agreement. Please confirm.	Contractual	Query not clear
259	0	0	0	0	Whether BESS can be accepted from foreign vendors, meeting the BESS Supplier QR globally?	Technical	Kindly refer Section V, eligible countries for more clarity regarding this point.
260	0	0	0	0	Whether BESS OEMs from China will be acceptable? If yes, Bidder request SECI to arrange for necessary Government permission and approvals for the facilitating the imports. Please clarify.	Technical	Kindly refer Section V, eligible countries for more clarity regarding this point.
261	Section III - Evaluation and Qualification Criteria	65 of 1149	1.1	The bidders are required to meet following minimum functional requirements: • BESS Availability 99 %	<p>BESS will be operational during day time charging the batteries and will discharge during evening peak hours after solar generation hours. Leaving little to no time for repair/maintenance of BESS.</p> <p>Also, any major repair/replacement situation during O&M period may require replacement of Li-ion battery cells/pack. BESS being an imported item will have some fixed lead time for procurement.</p> <p>The specified BESS Availability condition is on significantly higher side.</p> <p>Bidder request to revise assured BESS Availability to 95%. Please accept.</p>	Technical	98 %, Refer S. no. 3 of amendment 1
262	0	0	0	0	Bidder understands/proposes that for desired 'BESS Availability' requirements; only the specified duration of "discharge during peak demand, for 3 hours after solar generation hours" shall be taken into consideration for calculations of BESS Availability. Please confirm/accept.	Technical	Please Refer Clause No. for BESS Availability.

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263	Technical Specifications	528 of 1149	3.1 Table 2	<p>Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020.</p> <p>As per clause, linear annual degradation of 2%/year is specified for Dispatchable capacity from BESS.</p> <p>Watt-hour rating (dispatchable capacity): 150 MWh ,dispatchable at the beginning of life (i.e. at the time of Commissioning) and minimum throughput capacity at the beginning of each year as per below table:...</p> <p>Dispatchable capacity shall not be less than 80% of Beginning of Life capacity at any point of time up to End of Battery Life.</p> <p>Fresh Li-ion batteries tends to degrade initially at relatively higher rate (>2%/year) and than after few years of operation annual degradation rate stabilizes to a lower rate (<2%/year).</p> <p>In view of this inherent characteristic of Li-ion batteries, Bidder request that Bidder should be allowed to design the BESS such that annual degradation should averages out to 2%/year over the system life of 10 years.</p> <p>Please accept.</p>	Technical	Kindly refer S.No. 35 of amendment 1.
264	Technical Specifications	529 of 1149	3.1 Table 2	<p>Peak Management: In the Peak Management Use Case scenario, power generated during the early and midday periods shall be stored in the BESS and discharged during peak demand, for 3 hours, after solar generation hours.</p> <p>BESS will have only Peak management application for this Solar PV project. Please confirm.</p>	Technical	BESS is intended for peak Management only.
265	Technical Specifications	532 of 1149	4.3.1	<p>The BESS shall be containerized, using either standard International Organization for Standardization (ISO) 668 shipping containers or custom-designed power equipment centers.</p> <p>From 'custom-designed power equipment centers'; Bidder understands that Pre-fab type housing structures meeting industrial standards can be provided for installation of BESS. Please confirm.</p>	Technical	Terms and Conditions of the tender document will prevail.
266	Technical Specifications	541 of 1149	5.2.2	<p>The communication protocol for the BESS shall be according to IEEE 1815-2010- Communications—Distributed Network Protocol (DNP3) or IEC 61850.</p> <p>Whether IEC60870-5-104 and Modbus TCP/IP also acceptable as communication protocol for the BESS?</p>	Technical	No.
267	Technical Specifications	544 of 1149	5.7.1	<p>The BESS shall include a (Data Acquisition System) DAS to provide continuous monitoring and display of key operational parameters, as well as permanent archival.</p> <p>DAS shall be part of BESS EMS system. Please accept.</p>	Technical	DAS as part of EMS shall be acceptable.
268	Section I - Instructions to Bidders	41 of 1149	43.2	<p>... Prior to signing the Contract, the corresponding Appendix to the Contract Agreement shall be completed, listing the approved manufacturers or subcontractors for each item concerned.</p> <p>Bidder being a PSU has to finalize/shortlist the subcontractors for supply/services of the major item of the project through tendering process only. Bidder request that tentative manufacturers/subcontractors' name shall be furnished during signing of Contract. However, during detailed engineering stage after award of contract, acceptance of new/more vendors meeting the tender requirements, subject to customer's approval may please be accepted.</p>	Contractual	The terms and conditions of Bidding Document will prevail
269	Technical Specifications	553 of 1149	14.2	<p>At a minimum, the Contractor shall provide an unconditional, 5 (five) -year parts and labor warranty on all BESS equipment except battery (unit or racks).</p> <p>As bidder has to operate and maintain plant for 10 years with penalty in place, bidder understands there is no need of 5 year warranty. Please accept.</p>	Technical	Terms and Conditions of the tender document will prevail.
270	Annexure-XVI	1128 of 1149	-	<p>The total land area identified at this stage is 377.423 ha.</p> <p>Considering various hindrances/undulations in-between and the irregular shape of the offered land, the effective usable area will not be sufficient for installation of 200MW DC solar and 150MWh BESS. Bidder requests to provide additional land for project installation.</p>	Technical	Please refer Plant boundary and contour details uploaded with Amendment 1.

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271	III	82	Note: BESS Supplier/sub-Contractor	Clarifications to Queries raised during Pre-Bid Meeting on 30.09.2020 The BESS Supplier/sub-Contractor must have the experience of having successfully completed Design, Engineering, Procurement, Construction, Installation, Testing and Commissioning of Grid Connected Battery Energy Storage System (BESS) of at least 03 (Three) Grid connected BESS Plants, each having an individual capacity of 5 MWh (Five Mega Watt Hour) or above in last Five years. Also, such BESS Plant capacity must have been in satisfactory operation for at least 12 (Twelve) months from the date of commissioning.	We Request the BESS Eligibility Criteria to modified as below: The BESS Supplier/sub-Contractor must have the experience of having successfully completed Design, Engineering, Procurement, Construction, Installation, Testing and Commissioning of Grid Connected Battery Energy Storage System (BESS) of at least 05 (Three) Grid connected BESS Plants, each having an individual capacity of 1 MWh (Five Mega Watt Hour) or above and cumulative capacity of 15MWH or above in last Five years. Also, such BESS Plant capacity must have been in satisfactory operation for at least 12 (Twelve) months from the date of commissioning.	Technical	Kindly refer S.No.28 of amendment 1.
272	A2	TS Page 19 of 182	4.4.9	In case of outdoor PCU, PCU without LCD display with provision for Data access over Bluetooth shall be acceptable.	In case of outdoor PCU, PCU without LCD display with provision for Data access over Bluetooth or over any other wireless communication method shall be acceptable.	Technical	Ok
273	VII	362 of PDF	1	Project Particulars; - Design and Engg Cumulative Inverter Capacity (Min.) - 175MW - Cumulative Inverter Capacity (Min.) - 175MVA	1. Can bidder optimize by proposing the DC-DC coupling solution for PV + BESS. The Inverter and Transformer capacity can be reduced to less than 125MW including reactive power compensation requirement? 2. Rationale behind considering 200 MWp DC and 175 MW AC and connecting BESS system on AC side instead of DC side. 3. As the BESS is only of energy application, can bidder propose DC coupled solution and reduce the number of inverters and transformers from 175 MW to most optimized capacity which fulfill the requirement of RFB 4. Can bidder propose 60/80 MVA, 2 Nos instead of 3 x 50 MVA transformers?	Technical	1. Terms and Conditions of the tender document will prevail. 2. Please refer S. No. 57 of Amendment No. 1 for revised capacities. 3. Terms and Conditions of the tender document prevail. 4. Please refer Annexure 1 to Aemendment 1 for revised transformer capacity.
274	III	65 of PDF	1.1	Technical Evaluation: Performance Guarantee Parameters:- - Performance Ratio (PR) - 82% - Capacity Utilization Factor (CUF) - 36.5% - BESS Availability - 99%	The 82% PR corresponds to PV seems to be high, Can Bidder propose 80% PR guarantee.	Technical	Terms and Conditions of the tender document will prevail.
275	Annexure A: A2 Tech Specification	526 of PDF	E.2.1	Table1 Procurement-Specific Location and Site Characteristics : Electrical infrastructure: AC system interconnection requirement at Point of Connection (PCC)	Can bidder propose DC-DC coupling solution. - What would be the voltage level for interconnection? - Patches are separated by the distance apart, in-between areas are FOREST LAND ? - Interconnection would be OVERHEAD or UNDER GROUND? -Construction of Terminal Bay and other facilities: Who will constructed by whom?	Technical	terms and conditions prevail
276	AnnexureA: Employer's Requirements A.1. SCOPE OF WORKS	473 of PDF	3.1	3. Geotechnical Investigations:	The report shall include the study for "Liquefaction potential assessment of the ground and suggestions for any ground improvement measures" as required. The scope of ground improvement shall be clarify, in case of ground have Liquefaction potential.	Technical	The scope of ground improvement shall depend on the results of liquefaction potential assessment provided as a part of the geotechnical investigation report.

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