

Pre-Bid queries for 2 MWp Solar PV Power Plant at Namrup Thermal Power Station, Assam

Sl. No.	Clause Reference	Clause type	Tender Condition	Client comment/ query	APGCL's Comment
1			Bid Security/EMD	Please mention the validity date of EMD Bank Guarantee	Validity of EMD Bank Guarantee will be equivalent to Bid Validity. For rest details refer Section II, Clause 1.8
2	Cl 3.6, sec IV, pg 81	Statutory Approvals	"Obtaining statutory approvals/clearances on behalf of the Employer from various Government Departments are in the scope of contractor....."	Statutory approvals/ Clearances may please be in the scope of employer	Employer will facilitate by providing the required document for approvals/ Clearances, but all approvals/ Clearances will be taken by Contractor itself.
3	Cl 12.7, Sec IV, pg 145	Clearances for cutting of trees	".....The contractor is responsible for making the site ready and easily approachable by clearing bushes, felling of trees (Mandatory permissions/ licenses/ statutory clearances from competent authorities if required for cutting of trees, blasting or mining operations, disposal of waste material etc. shall be obtained by the contractor)....."	Mandatory permissions/licenses/statutory clearances from competent authorities may please be in the scope of employer	1. Employer will facilitate by providing the required document for approvals/ Clearances, but all approvals/ Clearances will be taken by Contractor itself. 2. Land utilized for PV installation is under Namrup Thermal Power Station premises, therefore contractor may get the clearances/ approval easily.
4	Cl 8.1, Sec III, pg 34	Right of Way	".....Right Of Way for transmission lines....."	Right of Way may please be in the scope of Employer	No Change accepted. There is no ROW issue as the land is within NTPS premises
5	Cl 1.8.1, Sec II, pg 14	Bid Security	"Bidder shall be required to submit Bid Security....."	for any PSU/ Government of India body, Bid Security may please be exempted	Exemption of submission of bid security is not considered.
6	Cl 34.2, sec III, pg 54	Liquidation Damages	"..... However, total amount on account of LD shall be maximum of 10% (five percent) of the total contract value."	10 % may please be corrected as 5 %.	"..... However, total amount on account of LD shall be maximum of 10% (Ten percent) of the total contract value."
7	Cl 8.1, Sec III, pg 34	Leveling of Land	The Contractor shall grade/ level the land identified for development of 2 MW Solar power Plant	Is it mandatory for the Contractor to Grade / level the land even if Contractors design is capable of being fitted onto contoured or unlevel land?	No Change accepted.
8	Cl 8.3, Sec III, Pg 35	Permits, approvals and/or licenses	The Contractor shall acquire, on behalf of Employer, in the employers' name, 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 that are necessary for the setting up of the Plant & operation of Plant	Interactions with local, state or national government authorities are time consuming which may leads to time loss and hence delays in contract execution. It is therefore requested that ASEB obtains all statutory approvals, licences, permits etc so that the Contractor can concentrate on executing the contract in timely manner.	1. Employer will facilitate by providing the required document for approvals/ Clearances, but all approvals/ Clearances will be taken by Contractor itself. 2. Land utilized for PV installation is under Namrup Thermal Power Station premises, therefore contractor may get the clearances/ approval easily.
9	Cl 13.5, Sec III Pg 38 Cl 13.7, Sec III Pg 38	Taxes	Service Tax, if any, shall be to the contractor's account and no separate claim in this regard will be entertained by the Employer for EPC portion of Contract. However, for O&M Contract, any statutory variation on account of service Tax shall be paid/ reimbursed based on Documentary Evidence. Any new tax introduced or revision in respective applicable tax rates after the date of techno - commercial bid opening, shall be paid/ reimbursed by the employer subject to submission of requisite documentary evidence by the bidder. However, any variation in Service Tax and Work Contract Tax shall not be payable for EPC portion of the Contract	APGCL may please consider and ammend that in case there is a statutory variation on account of service Tax during execution of the EPC contract, Employer will pay / reimburse the variation. Any statutory variation in Service tax will burden the Contractor if this Statutory variation on account of Service Tax is not reimbursed by Employer. Therefore APGCL may please consider amending these clauses.	Cluse 13.5 Section III Page 38 -No Change accepted, As per Tender. Cl 13.7, Sec III Pg 38 is ammended as: "Any new tax introduced or revision in respective applicable tax rates after the date of techno - commercial bid opening, shall be paid/ reimbursed by the employer subject to submission of requisite documentary evidence by the bidder."
10	Cl 18.1, Sec III Pg 41	Zero Date	Project Implementation Work Schedule : Within fourteen (14) days after the date of Issue of LOI, the Contractor shall prepare and submit to the Project Manager/ EIC a detailed program of Performance of the Contract, made in the form of PERT Chart	APGCL is requested to clarify which date will be considered as the "ZERO DATE" for start of Contract. It is requested that the Date of handing over of Letter of Award alongwith Clear Titles of Land and Right of Way be deemed as the ZERO Date.	As per Tender Section 3, Clause 60.

11	Cl 19.3, Sec III Pg 43	License for Sub-Contracting	Subcontracting : In case, the Contractor engages any Sub-Contractor to carry out a part of the work, the Sub-Contractor should have requisite Government License for carrying out such part of the work.	APGCL may please clarify whether requisite Forms and Authorisations for obtaining Labour Licences shall be issued by Employer in the name of sub-Contractor on the request of Contractor. This may be required as per prevailing Labour Act since the Contractor may himself not engage any labour directly.	Employer will facilitate by providing the required document for approvals/ Clearances, but all approvals/ Clearances will be taken by Contractor itself.
12	Cl 54, Sec III Pg 65	Extension of Time of Completion	"The Time(s) for Completion specified in the GCC Clause 60 shall be extended if the Contractor is delayed or impeded in the Performance of any of its obligations under the Contract by reason....."	In case contractor has to interact and coordinate with Local , state and National government bodies for obtaining licences / approvals of Right of Way or Land Title documents, there may be contractual delays arising out of these activities beyond control of Contractor. In such case Contractor shall be entitled to claim Time extension.	1. Employer will facilitate by providing the required document for approvals/ Clearances, but all approvals/ Clearances will be taken by Contractor itself. 2. Land utilized for PV installation is under Namrup Thermal Power Station premises, therefore contractor may get the clearances/ approval easily.
13	Cl 58, Sec III Pg 66	Training of Employer's personnel	On successful commissioning of the Plant, the Bidder shall provide training on Plant operations and maintenance to a team of 5 - 10 personnel (Engineers and Technician/ Operators) as nominated by Employer, within first two months of Operation of Plant	APGCL may please clarify regarding the location where the Training has to be imparted, at Site, or at APGCL office or at Contractor's works.	Cl 58, Sec III Pg 66 is amended as " On successful commissioning of the Plant, the Bidder shall provide training on Plant operations and maintenance to a team of 5 - 10 personnel (Engineers and Technician/ Operators) as nominated by Employer, at NTPS site at least one time every year during the 5 Year O& M period.
14	Table A, Sec I, Pg 5	Invitation for Bids	Important Dates: Target date for Commissioning of Project: 180 Days from LOI Tentative Date for Operational Acceptance Test: 210 days from LOI	APGCL may please clarify the discrepancy and confirm the Time period for Operational acceptance, whether 210 days or 220 days from LOI Also it is observed that NTP date may be different from LOI date. Please clarify whether Project Time lines are applicable from Which Date (Zero Date)	As per Tender Section 3, Clause 60.
	Cl 60, Sec III Pg 67	Project Time Line	Project Time lines: "The time lines for execution of the contract are 220 days from the date of issue of LOI/ NTP and as per the indicative milestones mentioned below...."		As per Tender Section 3, Clause 60.
15		General	Taxes / Duties	Any statutory variation in taxes/duties shall be on employer's account. Applicable taxes & duties on contract cancellation charges shall be on account of employer. Taxes (if any) applicable on Liquidated Damages shall be on account of employer.	No Change accepted.
			Form 'C'	Kindly inform if C-form shall be provided by the employer.	Provided by APGCL
			Implication of GST	GST has not been specifically mentioned in the Variation clause. It may be ensured that in case GST or any new taxes/duties/levies is introduced by the GOI after submission of the bid or during the execution period of the contract, then any variation due to introduction of GST shall be to customer's account	As per SI No 9 "APGCL's Comment" above
			Statutory Variations	If delay from scheduled completion is on account of employer, then any statutory variation beyond stipulated Delivery/ Commissioning/Completion schedule shall be to customer's account.	No Change.
16		General	Entry Tax	In case of Ex-works Sales, Entry tax is on the customer account. At present, entry tax is not applicable in Andhra Pradesh State. However, in case entry tax is applicable in future, the same will be borne and paid to tax authorities by customer only.	Entry tax/octroi shall be borne by the Contractor. However entry tax/octroi will be reimbursed by employer on submission of documentary evidences.

			Road Permit	Road Permit shall be provided by employer to contractor for all supplies from Client Units /Direct Dispatch(DD) items brought from outside the State of project site into the State of project site.	APGCL will facilitate the Road Permit.
			WCT	In case of divisible contract in respect of pure services and civil works contract, provisions of VAT on Works Contract shall not be applicable on pure services portion. Thus, deduction on account of WCT TDS shall be applicable on civil works contract only. However, in case, customer still deducts WCT TDS on their own on other than civil portion, the same shall be reimbursed to contractor within 7 days of such deduction. In case such deducted amount is deposited with tax authorities, the same shall be to employer's account.	WCT will be applicable only on the civil & allied work package. Bidders are requested to indicate the % of tax applicable with respect to Part C & D of Table 5A of "Appendix 5: Performa for Financial Proposal (on Bidders' Letter head) of bid document(Page 181).
17	Cl 6.1, Sec IV, pg 89	Module Efficiency	"The solar photovoltaic modules with efficiency more than 15.5 % for multi-crystalline, 17% for monocrystalline silicon based modules with positive tolerance....."	With a min wattage of 250W for 60-cells and 300W for 72-cells, the module efficiency for multi crystalline modules will be only 15% (min) . With slightly higher wattage for mono cells, the efficiency with mono-modules will be 16% (min). Hence, please accept module efficiency of 15% (min) with multi cells and 16% (min) with mono cells.	Request for change accepted.
18	Cl 6.1, Sec IV, pg 89	Fill Factor	".... Fill factor of the module shall not be less than 72 %"	Please accept minimum fill factor of 70%.	Request for change accepted.
19	Cl 6.2, Sec IV, pg 89	Glass Thickness	"The glass used to make the crystalline silicon modules shall be toughened low iron glass with minimum thickness of 4.0 mm for 72 cell module and 3.2 mm for 60 cell module...."	Please accept 3.2mm thick glass for 72-cell module as our modules with 3.2mm glass have successfully passed IEC 61215/61730 tests even for a mechanical load test of 5400 Pa	Request for change accepted.
20	Cl 6.6, Sec IV, pg 90	Junction sealing	".....The junction sealing shall comply IP65 degree of protection"	Please confirm whether this is IP65 instead of IP6S.	Typographical error, IP65 change accepted.
21	Cl 6.7 , Sec IV, pg 90	PID test certificate	The crystalline silicon based modules supplied should be of Potential Induced Degradation (PID) resistant modules and the test certificate from third party lab complying with the same shall be provided.	PID resistant materials shall be used. However, request for waiver of requirement of test certificate.	Bidder shall provide undertaking that Test Certificate shall be submitted before supply of PV Modules
22	Cl 6.13.3, Sec IV, pg 90	Salt spray test certificate	IEC 61701: Salt Spray test for highly corrosive environment, if applicable	Based on location of site, this requirement may not be applicable. Hence, request for waiver of test certificate.	May be waived. Will be decided during detailed engineering phase.
23	Cl 6.13.4, Sec IV, pg 90	Ammonia Resistant certificate	IEC 62716: Ammonia Resistant certified, if applicable	Based on location of site, this requirement may not be applicable. Hence, request for waiver of test certificate.	No Change.Presence of Petro-chem plant and Fertiliser plant around the plant hence required.
24	Cl 6.20, Sec IV, pg 91	Module frame height	"..Module frame thickness/ Height should be minimum 40 mm."	Please accept module frame height of 35 mm (minimum) as our modules with 35 mm height Al frames have successfully passed the IEC 61215/61730 type tests even for a mechanical load test of 5400 Pa.	Request for change accepted.
25	Cl 6.20, Sec IV, pg 91	Junction Box	".....Junction box of IP 67 rated with min 3 no. of bypass diode and MC4 connectors with 1 meter of TUV 2pfg 1169/09.07 certified Cu cable of 4 mm sq."	Please accept IP65 grade module junction box as PV modules with IP65 grade junction box has successfully passed the IEC 61215/61730 type tests. Cable length shall be min 1 metre.	Request for change accepted.

26	CI 6.20, Sec IV, pg 91	MC4	Junction box of IP 67 rated with min 3 no. of bypass diode and MC4 connectors with 1 meter of TUV 2pfg 1169/09.07 certified Cu cable of 4 mm sq.	MC4 is a brand name is specifics to single supplier Multi Contact, please accept other manufacturers make MC4 type /compatible connectors as per EN50521 standard	No Change accepted.
27	CI 6.27.2, Sec IV, pg 91	Bar Code	Each PV module must use a Bar Code which shall be embedded inside the Module Lamination	RFID tag can be provided inside the lamination, which is more durable and reliable. Request your acceptance.	Change Accepted.
28	CI 6.27.2, Sec IV, pg 91	Bar code scanner	The barcode scanner along with database shall be provided	RFID reader can be provided for reading information from the RFID tags.	Change Accepted.
29	CI 59.2, Sec III, pg 66	CUF	The minimum acceptable PR of the Plant is 0.78 and CUF shall be 19% against installed rated DC capacity at STC.	As per the solar insolation data available for site location, it is very difficult to achieve CUF of 19%. Hence, it is requested to reduce the minimum acceptable CUF value.	The CUF has been revised and should be considered as 17%.
30	CI 59.7, Sec III, pg 67	CUF during O&M	During the O&M period, the bidders need to maintain 99% uptime of the Plant to achieve the proposed CUF at the end of each year.	Solar PV system availability also depends on the availability of Grid. Non-availability of grid is not in perview of EPC contractor and it is not possible to realistically estimate non-availability period of grid. Hence, the clause shall be amended accordingly.	99% uptime does not include non-availability of grid.
31	CI 60, Sec III, pg 67 & CI 2.21, Sec IV, pg 77	Project duration	The time lines for execution of the contract are 220 days from the date of issue of LOI/ NTP.... & The supply, erection, testing, commissioning and all other allied works for 2 MW (AC) Solar PV Power Plant at Namrup Thermal Power Station, District Dibrugarh, Assam -786621, India shall be completed within 180 days from the date of order/ LOI/ NTP	Project duration may please be clarified.	Project duration will be as mentioned in Section 3, Clause 60
32	CI 3.2.11, Sec IV, pg 78	VCB	33 kV indoor VCB panel and	Outdoor type VCB panels may please be allowed.	No Change accepted.
33	CI 8.5, Sec IV, pg 93	Inverter	Central inverter of min 1.0MVA or above to be used.	Instead of Central inverters can we propose string inverters	No Change accepted.
34	CI 8.20.3.9, Sec IV, pg 96	Operating temperature range	Operating Temperature Range should be -20 °C TO + 60°C	Beyond 50DEGC, the inverter output gets derated. Hence the clause may please be changed accordingly.	No Change accepted.
35	CI 8.22.1, Sec IV, pg 97	DC cables	DC cables used from solar modules to array junction box shall be solar grade multi-strand, annealed high conductivity copper (Cu) with XLPO insulation	Installation of XLPE insulated cables shall be allowed.	Typographical error, XLPE change accepted.
36	CI 8.23, Sec IV, pg 98	Maximum voltage drop at full power	Wires with sufficient amp city and parameters shall be designed and used so that maximum voltage-drop at full power from the PV modules to inverter should be less than 1.5%.	As per IEC 62548: Design Rquirements for Photovoltaic arrays recommends that the cable from the most remote modules in the array to terminals of application circuit should not exceed 3% of pvarray voltage at its maximum power point. Therefore, it is requested to increase "Maximum voltage drop" in line with the above standard.	No Change accepted.
37	CI 9.4.3, Sec IV, pg 101	RTCC Panel	Power Transformers utilized shall be 3 phase, Oil Filled, 50 Hz and associated Switchgear of approved make. RTCC panel, as per design, will be provided in control room.	RTCC panel is required for On-load tap changer. As per Sheet 3 - pg no. 169 (Technical Particulars of Step-up transformer) pt. 13; Off load tap changer is envisaged, which do not require RTCC panel. Please clarify.	Section 3, Clause 9.1.3 changed."RTCC panel, as per design, will be provided in control room"is deleted.

38	CI 9.23.1.3, Sec IV, pg 120	Control & relay panel	The control & relay panel shall contain the following metering and protection devices...	Asked parameters, faults and indications will be displayed through SCADA panel. Hence, separate C&R Panel is not envisaged.	No Change accepted.
39	CI 9.34.7, Sec IV, pg 130	Cable trays	9.34.7. Cables inside the equipment room, control room and in the switchyard shall be laid in Galvanized Cable Trays...	Cable trays will be provided inside control room whereas in switchyard cables will be laid underground.	In switchyard the cables may be routed through Trenches.
40	CI 9.38.1.3, Sec IV, pg 131	Number of cameras	Contractor has to propose the locations and number of cameras required for the Plant during bidding; however Employer's decision on number of cameras shall be final.	Position and number of cameras desired by customer to be clarified. The same is required in cost estimation for tendering purpose.	No Change accepted.
41	CI 9.42.3.7, Sec IV, pg 139	Dual channel monitoring of current	The following parameters shall be available at SCADA for monitoring the health of the each PV string: 9.42.3.7.1. Current per string	Dual channel monitoring of current (2 strings per sensor) may please be allowed.	No Change accepted.

Sr. No	Clause No./ Page No.	Request	EVI Comments
1	Page 3, Clause 1.2.6	ROW if required shall be the responsibility of APGCL.	No Change accepted.
2	Page 2, Clause 3	30 Days duration requested from the date of issue of LOA, instead of 14 days as mentioned	No Change accepted.
3	Page 2, Clause 4	Request BG for O&M works to be considered on 10% value of O&M work not on EPC contract price.	Upto the End of 1 year of O&M, BG of 10% of EPC contract price will be maintained by contractor with APGCL. After that BG of amount equivalent to cumulative amount of 4 years O&M work will be submitted by contractor. APGCL will release 1/4th of BG every year to contractor.
4	Page 66, Clause 59.2	Reduce CUF of about 15% from 19%	The CUF has been revised and should be considered as 17%.

Sr. No	Clause No./ Page No.	Request	EVI Comments
1	NIT Clause No. 3.2 Page No. 7 Technical Eligibility Criteria	Since the Qualification Criteria is for cumulative installed capacity of 5MW, we request you to consider one plant of 5MW or even more as eligible project against the Technical Eligibility Criteria. • We request you to drop the condition that at least 2 Plants should have been of 1 MW Capacity or above.	Request for change is accepted
2	NIT Table A: Important Dates Sr. No. 5 Page No. 5 Last Date of Submission	We request you to extend the Last Date of Submission of Bid at least upto 28th February 2017.	Last Date of online bid Submission has been extended up to 09.02.2017. Refer extension notice in the portal.

**DESIGN, ENGINEERING, PROCUREMENT & SUPPLY, CONSTRUCTION & ERECTION, TESTING, COMMISSIONING, ASSOCIATED TRANSMISSION SYSTEM
&
COMPREHENSIVE OPERATION & MAINTENANCE FOR
5 (FIVE) YEARS OF 2 MW (AC) SOLAR PV POWER PLANT at NAMRUP, ASSAM**

BID IDENTIFICATION NO: - APGCL/CGM(G)/ Namrup SPV Project/2017;DATED: 07.01.2017

Sl.No	Ref.	Page no.	Clause No	Tender Description	Segment Query/Clarification	EVI Comments
1	50. Operation and Maintenance	63 of 225	50.4.6. O&M Routine & Manpower	<p>50.4.6. O&M Routine & Manpower: Contractor shall provide Preventive/ Routine Maintenance schedule based on Original Equipment manufacturer and good engineering practices. The team deployed for the O&M must have a minimum manpower structure with following qualification;</p> <p>50.4.6.1. Project Manager (B.E. / B. Tech Electrical, with minimum 5 years of relevant experience) - 1No.</p> <p>50.4.6.2. Shift Engineers (B.E. / B. Tech Electrical, with minimum 3 years of relevant experience) - 1No/ Shift</p> <p>50.4.6.3. Polytechnic/ Diploma Electrical (with minimum 3 years of relevant experience) -2/ Shift</p> <p>50.4.6.4. Polytechnic/ Diploma Mechanical or Civil (with minimum 3 years of relevant experience) - 1/Shift</p> <p>50.4.6.5. Unskilled for cleaning & other unskilled works with respect to Plant -minimum 3/ Shift.</p>	<p>Client request APGCL to indicate a numbers of technical staff and non technical staff required to carry on O & M activity rather than specifying qualification with relevant experience.</p>	<p>Clause 50.4.6 Changed to: " Contractor shall provide the following staff to perform O&M activities: 1. Technical Staff with suryamitra Certificate and having relevant experience of 3 years operating and maintaining Grid connected ground mounted solar power plant : 1No. 2. Technical Staff with suryamitra Certificate and having relevant experience of 1 years operating and maintaining Grid connected ground mounted solar power plant : 3 No. The above mentioned manpower is minimum, however to maintain PR and CUF at desired level, the contractor shall be required to increase the O&M man power.</p>
2	59. Performance Guarantee	66 of 225	59. Performance Guarantee	<p>59.2. The minimum acceptable PR of the Plant is 0.78 and CUF shall be 19% against installed rated DC capacity at STC.</p>	<p>Since the PR and CUF depends on various factors like weather conditions ,associated losses ,grid outage .Hence Client request APGCL to consider PR and CUF as 0.76 and 17-18% respectively.</p>	<p>The CUF has been revised and should be considered as 17%.</p>

3	B. SYSTEM DESIGN AND PHILOSOPHY	75 of 225	2. Design Philosophy	2.12. Very fast responsive microprocessor based Directional and Reverse power flow protection should be provided to ensure isolation of the Solar Power Plant from the grid at the time of any fault or/and during maintenance, Contractor may provide any additional suitable protection.	Client suggests that for grid interconnection pt/substation part reverse power flow is not required as flow of power will be bidirectional considering day and night time, kindly consider.	Reverse Power protection may be provided, considering minor power consumption. Example- Load transformer loss etc. It may be noted that inverter control supply will be from UPS
4	B. SYSTEM DESIGN AND PHILOSOPHY	78 of 225	2. Design Philosophy	3.2.7. 33kV/ 415V auxiliary transformer (s).	Client requests to consider outdoor type ONAN Aux Transformer of Voltage ratio: (Inverter LV)/ 415 V, kindly consider	Separate source other than LV side of solar transformer for auxiliary power supply is preferred, considering maintainability of solar plant. APGCL may consider providing Aux Power source directly from their 425V power system
5	B. SYSTEM DESIGN AND PHILOSOPHY	80 of 225	2. Design Philosophy	3.5.2. Earthwork for site grading, cutting, filling, leveling & compaction of land. Land preparation- cutting trees, cleaning of bushes, Leveling, compacting	Client request APGCL to provide clear levelled land suitable for SPV Installation mean while Client also request APGCL to provide Soil test report for knowing Soil bearing capacity helpful for foundation design.	No Change accepted
6	B. SYSTEM DESIGN AND PHILOSOPHY	107 of 225	9.8.4. General Parameters: CT	CT ratio & Rated VA Burden, short time thermal rating ,class of accuracy : Minimum burden required (as per design): 1. Metering core – 40 VA 2. Protection core – 10 VA	The VA burden for CT as 10 VA will suffice the purpose for metering and protection. Client requests to consider the same.	No Change accepted

7	B. SYSTEM DESIGN AND PHILOSOPHY	129 of 225	9.34. Power and Control Cables specifications on AC side	9.34.3. Only terminal cable joints shall be accepted. No cable joint to join two cable ends shall be accepted	Client requests to consider Straight through joints in MV Cable (33 kV Cable) as per length of cable drum, kindly consider.	No Change accepted
8	B. SYSTEM DESIGN AND PHILOSOPHY	152 of 225	21. Module Mounting Structure (MMS)	21.16. Two numbers of anti-theft fasteners of stainless steel on two diagonally opposite corners for each module shall be provided. All the fasteners and washers (packing & spring) for Module Mounting Structure and Module shall be adequately protected from atmosphere and weather prevailing in the area. Fasteners and washers to be used for erection of mounting structures and those for fixing Module over MMS shall be of stainless steel grade SS 316 equivalent and must sustain the adverse climatic conditions to ensure the life of the structure for at least 25 years.	Since the power plant is covered with chain link fencing with barded wire and well maintained with security and also since the preferred power plant away from coastal area ,we would prefer either SS 304 or GI Coated Hardwares in place of Anti Theft bolt & SS 316 Hardware .Hence Client request to replace the same to optimise the cost building on to the project.	No Change accepted
9					Client Requests APGCL to provide bidders with the Autocad drawing of the Site and its vicinity + Electrical SLD to acquainte the information on 33KV Interconnection point+ 33KV Transmission Line length through UG cable from the SPV Plant end.	APGCL will not provide any AUTOCAD drawings and Electrical SLD. Bidders are requested to make necessary arrangement by visiting the site.

10				<p>As per page : 34 of 225 - 8. Contractor's responsibility - SCOPE : 8.1. The Contractor shall grade/ level the land identified for development of 2 MW Solar power Plant (with cells & modules manufactured in India) at Namrup Thermal Power Station in the state of Assam, design, procure, manufacture (including associated purchases and/or subcontracting), install, commission and complete the Facilities, carry out the Guarantee tests with due care and diligence in accordance with the Contract along with interconnecting system up to 33 KV APGCL switchyard at NTPS Substation including Right of Way for Transmission Line and the O&M of the complete facilities for five years.</p> <p>With this scope of work : The tender calls for DCR content of module(Indian Modules with cells manufactured in India) but as per technical specification for Photovoltaic modules Page : 89 of 225 : 6. Photovoltaic Modules ,no where it has been mentioned that cells should also be manufactured in India.</p>	<p>we request your good selves and offices to kindly confirm us whether to consider Modules of DCR Content(Indian Modules + Indian Manufactured cells) or Non DCR content(Indian Modules+ International Cells)</p>	<p>SCOPE : 8.1. is amended as:</p> <p>"The Contractor shall grade/ level the land identified for development of 2 MW Solar power Plant at Namrup Thermal Power Station in the state of Assam, design, procure, manufacture (including associated purchases and/or subcontracting), install, commission and complete the Facilities, carry out the Guarantee tests with due care and diligence in accordance with the Contract along with interconnecting system up to 33 KV APGCL switchyard at NTPS Substation including Right of Way for Transmission Line and the O&M of the complete facilities for five years....."</p>
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