

## ADDENDUM/CORRIGENDUM-01

## PRE-BID QUERIES AND IIT HYDERABAD RESPONSES

Name of Project : Setting up of 3.5 MW (AC) In-house Captive Solar PV Plant at IIT Hyderabad campus which includes Planning, Design, Supply, Installation, Testing & Commissioning with 05 years Post commissioning Operation & Maintenance of Plant.

Tender No.: IITH/CMD/ELE/NIT/2024-25/07

Date & Time of Pre-bid Meeting: 27-09-2024 @ 11:00 Hrs

Location: Conference Hall, CMD Office, IIT Hyderabad.

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
1	Page No. 7 Section-A(C) Basic Eligibility Criteria related to Incorporation of the Firm:	The potential bidder must not be a Joint Venture (JV) or Consortium of firms.	Kindly inform whether JV / Joint Venture tender participation/quoting/executing is permitted in this tender.	Tender condition prevail.
2	Page No. 5 Section-01 BASIC ELIGIBILITY CRITERIA	"Similar Work" shall mean the work of Planning, Design, Supply, Installation, Testing, Commissioning, Operation & Maintenance (O&M) of Solar PV Plant of capacity not less than 1400kVA. However, the supply of Solar PV modules and O&M in the similar work is a desirable condition and not the essential one. The reference Solar PV Plant needs to be successfully commissioned and shall be fully functional for a minimum period of 01year (after commissioning), as on previous day of due date of submission of this bid.	1.We kindly request your consideration of the following amendment: "Similar Work" refers to the Planning, Design, Supply, Installation, Testing, Commissioning, Operation, and Maintenance (O&M) of a Solar PV Plant with a capacity of at least 1400 kVA or IT services equipment. While the supply of Solar PV modules and O&M services is preferred, it is not a mandatory requirement. The referenced Solar PV Plant or IT service equipment's must have been successfully commissioned and fully operational for a minimum of one year prior to the submission deadline for this bid.	Tender condition prevail.
3	Page No. 15 Clause No. 2.7 Additional Conditions:	The Bidder shall not bid under any Consortium or Joint Ventures. Bids from a Consortium/Joint venture shall be summarily rejected.	2.We kindly request you to amend this clause as the Bidder can bid under Consortium or Joint Ventures. Bids from a Consortium/Joint venture shall be accepted	Tender condition prevail.
4	Page No. 16/Section-03/ Clause No. 3.1.2/Scope of Work	Comprehensive operation & maintenance for 5 years including existing 0.95 MW Solar power plant.	1.It is understood that O&M of existing 0.95MWp Solar Plant is also under bidder's scope. Kindly clarify followings - 1. Date of commissioning of 0.95MWp Solar Plant. 2. Whether supply & replacement of out-of-warranty items is also included in the scope of work. If yes, kindly enlist all installed items indicating rating, quantity, make, etc. 3. No shifting/dismantling work is involved wrt existing solar system. Please confirm.	Please read point No. VII/ Clause 3.1.2/ scope of work as below: <b>"The Comprehensive operation &amp; maintenance of new 3.5 MW (AC) Captive Solar PV Plant for 5 years post commissioning excluding existing 0.95 MW Solar power plant".</b> Note: <b>Please refer to Addendum/Corrigendum-02</b>

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
5	Page No. 19/ Clause No. 3.1.4/Design & Engineering	Civil & Mechanical: Design & development of drawing of plant lay out, pathways, foundation of PV module and equipment, panel mounting structure, cable trenches lay out, fencing, water supply for cleaning & drainage system etc. as applicable.	2.It is understood that developing pathways/roads are out of bidder's scope.	The existing Roads, pathways and the parkings where the excavation is required to be carried out for foundation and other allied works, the paver blocks, grass pavers, Bitumen/Concrete shall be relayed as specified in the conditions of the Contract to make the surface inline with the existing surroundings
6	Page No. 18/ Section No. 3.1.6 B(c)/ Electrical & Instrumentation	Supply of latest version of PVSyst software (premium) for two users.	3.As the PVSyst software comes with 1 year subscription plan only, it is understood followings - 1. Only 2 subscriptions for 1 year validity each is required. Please confirm. 2. Licensed version of PVSyst softwares will be handed over after commissioning of the solar systems. Please confirm.	Please consider the following: 1. Yes, 02 nos of latest version PV systs software (Professional) with 01 year validity each shall be provided by the bidder. 2. Yes, the licensed version of PV Syst software- 02 nos shall be Handed over to IITH by the contractor after satisfactory commisioning of Solar PV Plant. Note: The above handed over PV Syst softwares -02 nos shall be renewable beyond 01 year as well on an additional cost to IITH.
7	Page No. 24, Clause No. 2.4/ STRING MONITORING SYSTEM	Monitoring of various parameters at string level should be made possible in the Main Control Room at site by installing the suitable string monitoring system any fault at string level could be recognizable by that system. To optimize the system the bidder can install the string monitoring system on the group of multiple strings. However string monitoring unit for whole system should not be less than 180 nos.	4. Please confirm that if string inverter has in-built feature of string level monitoring, the requirement of SMU can be omitted. 5. "However string monitoring unit for whole system should not be less than 180 nos." - statement is not understood. Kindly clarify.	Please consider the following: 1. If inverter has the facility of string monitoing, then it is not required separately. 2. It is an estimation based on solar PV strings spread across the campus. The criteria is all strings shall have monitoring facility. 3. All the parameters at string level shall be clearly monitored through centralized SCADA system as well.
8	Page No. 34, Technical Specifications- Civil/ Clause No. 3.1/Topographical Survey and Setting out the work	Positions in plan all natural and artificial features of the area like water ways, trees, structure, fences, pucca and kutcha roads including culverts and crossings, foot tracks, other permanent objects like telephone posts and transmission towers etc., are to be established and subsequently be shown on survey maps by means of conventional symbols (preferably symbols of Survey of India maps).	6.Please keep this work out of bidder's scope as it is time consuming & specialized work.	Tender condition prevail.
9	Page No. 35, Clause No. 3.3.2/ MODULES MOUNTING STRUCTURES	The design calculations, Design drawings with material specifications shall be submitted to IITH after vetting by any of the IITs (other than IIT Hyderabad)/NITs/Government institutes approved by Engineer in charge ( Minor Component) for review & the approval.	7.Please allowed vetting through certified structural engineer also.	Tender condition prevail.
10	Page No. 37 Clause 3.3.4/1 Site Clearance	The Existing trees hindering the alignment of the solar panel network shall be carefully removed and transplanted at the locations shown by IIT Hyderabad.	8.Relocation of existing trees may be kept out of bidder's scope.	It is under successful bidder's scope and Tender condition prevail.
11	Page No. 37 Clause 3.3.4/1 Site Clearance	Existing structures and services such as old buildings, culverts, fencing, water supply pipe lines, sewers, power cables, communication cables, drainage pipes etc. within or adjacent to the area if required to be diverted/removed, shall be diverted/ dismantled as per directions of the Engineer in charge ( Minor Component)	9.Quantification of work is necessary. Kindly exclude the same from bidder's scope.	It is under successful bidder's scope and Tender condition prevail.

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12	Page No. 37 Clause 3.3.4/1 Site Clearance	Disposal of Earth shall be disposed off at the specified location or as decided by the Engineer in-Charge.	10.Please confirm that disposing site will be within IIT campus.	Diposal of Earth is within the IITH campus Only. Demolished materials/construction debris/disposal of unwanted materials & debirs shall be beyond the IITH Campus.
13	Page No. 38 Clause No. 3.3.4/5 Steel Reinforment	The reinforcement steel shall be tested as per the relevant IS Codes The sampling, transporting the samples to the Lab, arrangement for witnessing of lab tests by the representatives of Engineer in charge ( Minor Component), testing charges shall be borne by the contractor and nothing extra shall be paid in this regard.	11.Steel reinforcement shall be in line with the relevant IS & required certificates shall be submitted. Kindly omit witnessing test requirement.	Tender condition prevail.
14	Page No. 38 Clause No. 2.5 R.C.C. (DESIGN MIX CONCRETE)	Cement: - OPC 53 shall be used for design mix concrete and shall conform to IS-12269	12.Please allow PPC as OPC 53 is not easily available in the market for small quantity.	Tender condition prevail.
15	Page No. 81 Chapter 10 Clause No. 10.1 LIST OF ACCEPTABLE MAKES - ELECTRICAL	LIST OF ACCEPTABLE MAKES - ELECTRICAL	13.Please consider BHEL make for SCADA & HT Panel.	BHEL is acceptable as an approved make for SCADA system and HT panel boards.
16		General	14.Please confirm that temporary closed/open storage will be provided by IITH inside the campus on free of cost basis till completion of O&M period.	The suitable space i.e., Land only for storage purpose of construction materials will be provided by IITH to the successful bidder without any additional cost. However, the watch & ward of these materials and space will be sole resoponsibility of sucessful bidder. The provided Land shall be handedover back to IITH in original shape by the contractor on completion of work.
17		General	15.Please confirm that construction power & water will be provided free of cost.	Please refer to NIT section 09/Special conditions of contract/clause 9.5.0 <b>WATER AND POWER.</b>
18		General	16.Please confirm that sitting space for execution as well as O&M period will be provided by IITH inside the campus free of charge.	The suitable space i.e., Land only for sitting purpose of contractor's team for execution as well as O&M will be provided by IITH to the successful bidder without any additional cost. However, any portable cabin / office space shall be setup by the contractor on this provided land without any additional cost to IITH. The provided Land shall be handedover back to IITH in original shape by the contractor on completion of work.

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19		General	17.Please confirm that internet required for online monitoring will be arranged by IITH without any cost to the contractor.	The Internet required for Online monitoring after commissioning of project will be provided by IITH without any additional cost to the contractor.
20		General	18.Please confirm that area/parking illumination is out of contractor's scope.	Yes, The Area/Parking illumination is out of contractor's scope at present. However, if required at discretion of IITH the same may be executed as an extra item on an additional cost , as per relevant clauses of contract.
21		General	19.Please confirm that construction of any civil structure like control room, SCADA room, etc is beyond the scope of contractor.	Yes, The construction of civil structure like control room and SCADA room are out of contractor's scope at present. However, if required at discretion of IITH the same may be executed as an extra item on an additional cost , as per relevant clauses of contract.
22		General	20.Please clarify on LD & penalties.	Please refer to the relevant clauses under CPWD General conditions of contract (GCC) 2024 EPC projects.
23	Page No. 5, Section-01/ BASIC ELIGIBILITY CRITERIA	<b>Profit/loss</b> : The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheets (balance sheet in case of private/public limited company means its standalone financial statement and consolidated financial statement both), duly audited and certified by the Chartered Accountant.	<p>1.As per CVC Office Memorandum No. 12-02-01-CTC-6 dated 17.12.2022 For Civil/Electrical Works</p> <p>i) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.</p> <p>ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -</p> <p>a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost. or</p> <p>b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost. or</p> <p>c. One similar completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p>Definition of "similar work" should be clearly defined.</p> <p>Therefore, CVC has clearly indicated that the turnover and technical criteria are the minimum basic criteria required to be asked for pre-qualification of vendor. <b>In view of the above, the profitability clause as per section 01, A-3 , may please be reviewed and deleted for wider participation and getting best competitive rate.</b></p> <p>Request for the removal of the Profitability Clause</p>	The Clause 3, Profit/Loss in Section-01 of Notice Inviting Tender (NIT) document stands Deleted. <b>Please refer to Addendum/Corrigendum-02.</b>

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24	Page No. 5 Section-01 BASIC ELIGIBILITY CRITERIA	<b>Profit/loss</b> : The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheets (balance sheet in case of private/public limited company means its standalone financial statement and consolidated financial statement both), duly audited and certified by the Chartered Accountant.	2.In continuation to the above query, address a request for the removal of the profitability clause. In this context, the Ministry of finance, through its office memorandum No. F.1/16/2020-PPD, dated 11th february 2021, has officially removed the profitability clause from the 2017 manual for procurement of goods. in view of the above, it is kindly requested delete profitability clause ad per section 01, A-3, may please be reviewed and deleted for wider participation and getting best competitive rates.	The Clause 3, Profit/Loss in Section-01 of Notice Inviting Tender (NIT) document stands Deleted.
25	Page No. 7, Section-01/ Basic Eligibility Criteria related to Incorporation of the Firm:	The potential bidder shall preferably be an ISO 9001-certified company.	3.EESL is a super ESCO company incorporated to look after energy efficiency technology on Pan India basis. The required clause may be exempted for bidder(s) who are public sector entities.	The ISO 9001 certification of the bidder is a desirable condition only and not the Essential condition.
26	Page No. 5 Section-01/ BASIC ELIGIBILITY CRITERIA	"Similar Work" shall mean the work of Planning, Design, Supply, Installation, Testing, Commissioning, Operation & Maintenance (O&M) of Solar PV Plant of capacity not less than 1400kVA. However, the supply of Solar PV modules and O&M in the similar work is a desirable condition and not the essential one. The reference Solar PV Plant needs to be successfully commissioned and shall be fully functional for a minimum period of 01year (after commissioning), as on previous day of due date of submission of this bid.	1. We request you to accept the satisfactory operation of the referenced solar power plant for at least Six (06) months prior to the last date of bid submission. As most Government and PSU companies, such as NTPC, SJVN, GSECL, etc., accept a six-month satisfactory operation period in their EPC tenders for SPV Power Plants. We therefore request to amend the Similar Work under Eligibility Criteria as under: "Similar Work" shall mean the work of Planning, Design, Supply, Installation, Testing, Commissioning, Operation & Maintenance (O&M) of Solar PV Plant of capacity not less than 1400kVA. However, the supply of Solar PV modules and O&M in the similar work is a desirable condition and not the essential one. The reference Solar PV Plant needs to be successfully commissioned and shall be fully functional for a minimum period of <del>01year</del> 06 (Six) months (after commissioning), as on previous day of due date of submission of this bid.	Tender conditions prevail.
27	Page No. 82 Cl. 10.2 of Chapter-10/ List of Acceptable Makes - Solar PV Products:	PV MODULE (CRYSTALLINE) Indian Manufacturer only : TATA SOLAR/MOSER BAER/BHEL /Renew system/Waree/ PANASONIC/ Or other NABL accredited firm as approved by IITH. Or other reputed brands having necessary test certificates from NABL/MNRE/UL (with approval of IITH)	2.Kindly clarify whether ALMM-listed module manufacturers issued by MNRE are acceptable. Does the bidder need to obtain separate approval for ALMM-listed manufacturers?  In the event that ALMM-listed module manufacturers are not permitted, we kindly request that their inclusion be allowed.	Yes, approved list of Models and manufacturers (ALMM) issued by MNRE, Govt. of India are acceptable.

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
28	Page No. 1 & Annexure-1 of Section-6 Page No. 103	Earnest Money Deposit (EMD) - 26,00,000/- (only)	3.Since the EMD amount is very large and the bid validity is for Three (03) months, we request you to accept the Earnest Money (EMD) in the form of insurance surety bond as well. This is in accordance to O.M. No.F.1/1/2022-PPD Dt. 02.02.2022 issued by DoE (MoF) and is a standard practice being followed by other State/Central Government and PSU organizations in their similar tenders.	<p><b>The Earnest Money Deposit (Bid Security) may be accepted in the form of Insurance Security Bonds, Account Payee Demand drafts, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks or Payment online in an acceptable form, safeguarding the IITH interest on all respects.</b> NOTE:(A)</p> <p><b>Insurance Surety Bond Requirements</b></p> <p><b>1.Assignment:</b> The Insurance Surety Bond must be assigned in the name of the Director, IIT Hyderabad.</p> <p><b>2.Surrender Value:</b> The surrender value at the time of submission must align with the percentage specified in the tender document.</p> <p><b>3.Confirmation:</b> A line of confirmation from the issuing insurance company must be included with the Bond submission. <b>(B) Bank Guarantee Requirements</b></p> <p><b>1.Validity Period:</b> The claim period of the Bank Guarantee must extend more than six months beyond the expiration date of the Bank Guarantee.</p>
29	Page No. 125 & Annexure-1 of Section-6 Page No. 103 Schedule E of Section-8	<b>Performance Guarantee :</b> 5% of accepted tender value for Part-A & B (Original works component ), Prior to the commencement of work and 5% of the accepted tender value for Part-C (O&M Component), Prior to the commencement of supplementary agreement .	4.We request you to accept the Performance Gurantee (PBG) in the form of insurance surety bond as well. This is in accordance to O.M. No.F.1/1/2022-PPD Dt. 02.02.2022 issued by DoE (MoF) and is a standard practice being followed by other State/Central Government and PSU organizations in their similar tenders.	<p><b>The Performance Guarantee (Performance Security) may be furnished in the form of Insurance Surety bonds, Account Payee Demand draft, Fixed Deposit Receipt from a Commercial Bank, Bank Guarantee from a Commercial bank or Online payment in an acceptable form safeguarding the IITH interest in all respects.</b> NOTE:(A) <b>Insurance Surety Bond Requirements</b></p> <p><b>1.Assignment:</b> The Insurance Surety Bond must be assigned in the name of the Director, IIT Hyderabad.</p> <p><b>2.Surrender Value:</b> The surrender value at the time of submission must align with the percentage specified in the tender document.</p> <p><b>3.Confirmation:</b> A line of confirmation from the issuing insurance company must be included with the Bond submission. <b>(B) Bank Guarantee Requirements</b></p> <p><b>1.Validity Period:</b> The claim period of the Bank Guarantee must extend more than six months beyond the expiration date of the Bank Guarantee.</p>

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
30	Page No. 2 2.2.3 Inverter	Maximum Input 1000 V DC voltage	1.Bidder Proposed 1500V DC Voltage	Yes, The maximum DC input voltage of 1500 V is acceptable, subject to suitable voltage rated cables.
31	Page No. 24 Clause No. 2.4 STRING MONITORING SYSTEM	However string monitoring unit for whole system should not be less than 180 nos.	2.Bidder Proposed as per Detail Engineering	It is an estimation based on solar PV strings spread across the campus. The number can change based on detailed engineering. The criteria is all strings shall have monitoring facility.
32	Page No. 25 Clause No. 2.6 TRANSFORMER	The transformer may be a dual primary (ddY11 or ddY1) type to connect the AC O/P of both the inverter of a zone.	3.Bidder Proposed Inverter Duty Transformer (Dyn11, YNd11, YNd11d11) OR As per detail engineering	This is to be maintained as dual rated primary i.e. three winding transformer.
33	Page No. 26 Clause 2.7.2 Earthing System for Array Yard	a. The earthing for array and LT power system shall be made with GI pipe including accessories, and providing masonry enclosure with cast iron cover plate having locking arrangement, watering pipe using charcoal or coke and salt as required as per provisions of IS: 3043. Necessary provision shall be made for bolted isolating joints of each earthing pit for periodic checking of earth resistance	4.Bidder Proposed Chemical Earthing	Yes, Chemical earthing is acceptable.
34	Page No. 28 Clause 2.10.4 OUTDOOR ENCLOSURE	The metal base shall ensure rigidity for easy transport & installation. Baseframe made up of 4mm HRCA Material with HOT DIP GALVANIZATION Process to enhance the life of the product and avoid rusting	5.Bidder Proposed As per Industrial and Manufacturer Standard	The Base frame material shall be as per approved manufacturer standard and specifications only.
35	Page No. 28 Clause 2.10.4 OUTDOOR ENCLOSURE	Interconnection between HT switchgear and transformer shall be using 1Cx3x95 sq.mm al. unarmored XLPE cable and between transformer and LT switchgear shall be using busbar	6.Bidder Proposed HT Cable Decide as per detail engineering	Yes, all the cable sizes to be finalized on the basis of detailed engineering only.
36	Page No. 31 Clause 2.10.5 F) WINDINGS	I. The winding insulation shall be of Class "F/H" and temperature rise limit i.e. 90 deg. C/ 115 Deg C over ambient of 50 Deg C. Windings shall be of electrolytic copper conductors (circular in shape) of high conductivity and 99.9% purity	7.Bidder Proposed Aluminium Winding	It shall be copper winding only. Tender conditions prevail.
37	Page No. 22 Clause 2.2. POWER CONDITIONING	P.The inverter panel should be well ventilated and 2 x 100% panel cooling fan to be provided. While designing the system contactor must take care that in any case the temperature difference of inlet and outlet air should not go more than 10 deg C	8.Bidder Proposed As per Manufacturer standard	Yes, it is acceptable to have standard design features of approved manufacturers standards and specifications of inverters. But the criteria of temperature rise of 10 <sup>0</sup> C to be ensured.
38	Page No. 49 Clause 4.2.8 Software Licences	The Contractor shall provide software license for all software being used in Contractor's System. The software licenses shall be provided for the project and shall not be hardware/ machine-specific.	9.Bidder Proposed Extra Cost of Software	No extra payment will be made for softwares. The bid price shall include them.
39	Page No. 53 Clause 5.1 General	b. The operation and maintenance of existing 0.95 MW solar PV plant shall be carried out by contractor	10.Please specify whether the O&M of existing 0.95MW Solar Plant is under Bidder's Scope.	Please read point No. b/section 5.1 General ; as below: <b>"The Comprehensive operation &amp; maintenance of new 3.5 MW (AC) Captive Solar PV Plant for 5 years post commissioning excluding existing 0.95 MW Solar power plant shall be carried out by the contractor".</b> Note: Please refer to corrigendum-02

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
40	Page No. 82 Clause 10.2 LIST OF ACCEPTABLE MAKES - SOLAR PV PRODUCTS	PCU-SMA /ABB/VACON/SIEMENS /HITACHI/SCHNEIDER/AEG EMERSON/WAREE Or other reputed brands having necessary test certificates from NABL/MNRE/UL (with approval of IITH)	11.Bidder Proposed Sungrow/Solis/Sineng/Reputed Make	The approved list of Models and manufacturers (ALMM) issued by MNRE, Govt. of India are acceptable.
41	Page No. 82 Clause 10.2 LIST OF ACCEPTABLE MAKES - SOLAR PV PRODUCTS	PV JUNCTION BOX-SMA/Siemens/ Fibox/Volex India /Citel/ Lumberge connect/ Kitani electric /Voka/BDS Or other reputed brands having necessary test certificates from NABL/ MNRE/UL (with approval of IITH)	12.Bidder Proposed Trinity/HPL/VNT/Reputed make	As specified in tender, other reputed brands having necessary test certificates from NABL/MNRE/UL are acceptable (with approval of IITH).
42	Page No. 82 Clause 10.2 LIST OF ACCEPTABLE MAKES - SOLAR PV PRODUCTS	PV MODULE (CRYSTALLINE)- TATA SOLAR/ MOSER BAER/BHEL/ Renew system/Waree/ PANASONIC/ Or other NABL accredited firm as approved by IITH. Or other reputed brands having necessary test certificates from NABL/MNRE/UL (with approval of IITH)	13.Please Specify PV Module Mono facial or Bifacial	PV Modules shall be considered of Mono-facial only.
43	General		14.We could not observe any LD clause mentioned in the Tender Document. Please clarify the LD clause	Please refer to the relevant clauses under CPWD General conditions of contract (GCC) 2024 for EPC Projects.
44	General		15.Height of the Structure/Panel is not mentioned in the Tender document. Please suggest	The indicative structure height is 4.2mtrs only for Car Parking Plazas however the final height will be a part of Detail Design and Engineering only.
45	General		16.Street Lights are already installed at all the locations. It's the direct obstruction for the design of the Structure. Please suggest	The design to be considered with minimum or negligible relocation/ modifications of existing street lights at IITH
46	General		17.P1 Parking area has One Lane for Bus Parking. So Panel height needs to be increased from Bus Lane till the Parking Exit. Please suggest	Yes, the structure height for bus lane need to be increased suitably as per the height of the buses.
47	General		18.Specific Store location is not mentioned in the Tender Document. Please suggest	The suitable space i.e., Land only for storage purpose of construction materials will be provided by IITH to the successful bidder without any additional cost. However, the watch & ward of these materials and space will be sole responsibility of successful bidder. The provided Land shall be handedover back to IITH in original shape by the contractor on completion of work.
48	Page No. 34 CHAPTER 03 TECHNICAL SPECIFICATIONS – CIVIL Clause 3.1 TOPOGRAPHICAL SURVEY AND SETTING OUT THE WORK	Carrying out Spot level survey of the entire area/areas at 3m intervals and development of contours.	19.Bidder requests to consider 5mtr. grid intervals for contour survey. Kindly confirm.	Tender condition prevail.



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49	Page No. 35 CHAPTER 03 TECHNICAL SPECIFICATIONS – CIVIL Clause 3.3.1 FOUNDATION WORKS FOR SOLAR MODULE STRUCTURE:	All RCC works shall comply with IS: 456:2000 with minimum grade of Concrete M30 or as per the vetted and approved design whichever is more.	20.Bidder requests to consider M25 grade of concrete based on approved design mix.	Tender condition prevail.
50	Page No. 36 CHAPTER 03 TECHNICAL SPECIFICATIONS – CIVIL Clause 3.3.2 MODULES MOUNTING STRUCTURES	The frames and leg assemblies of the array structures shall be made of hot dip Galvanized steel per IS:4759. Minimum thickness of galvanization should be at least 120 microns.	21.Bidder requests to consider minimum thickness of galvanization avg. 80 microns for frames & legs assemblies.	Tender condition prevail.
51	Page No. 36 CHAPTER 03 TECHNICAL SPECIFICATIONS – CIVIL Clause 3.3.2 MODULES MOUNTING STRUCTURES	All fasteners shall be of Stainless steel - SS 304. Nut & bolts, supporting structures including module Mounting Structures shall have to be adequately protected against all climatic condition.	22.Bidder requests to consider SS-304 fasteners for module mounting & HDG 5.6 grade fasteners for all other structural connections.	Tender condition prevail.
52	Page No.12, Table B/Preferred Proposed locations for Solar PV Modules(Indicative)		Bidder has submitted a Feasibility sheet suggesting some alterations w.r.t the solar generation proposed areas in the NIT	Tender conditions prevail. However any alterations/amendment (if required) may be addressed at the time of Detailed Engineering by the successful bidder only.
53	Page No. 5 Section-01 BASIC ELIGIBILITY CRITERIA	Net worth certificate of minimum amount Rs.1,60,00,000/-only, issued by certified Chartered Accountant with UDIN .	1.We request you to reduce the value for Net Worth certificate of minimum amount to Rs.1,20,00,000/-only, instead of Rs. 1,60,00,000/-	Tender condition prevail.
54	Section -02 Project Details	Preferred proposed locations for solar PV modules installations (indicative only)	2.Capacities Variation – IIT Hyderabad Excel sheet attached Hope our request will be accepted	The Table B provided in the NIT is indicative only and the same may be finalized at the time of detailed engineering only.
55	Page No: Page 82 10.2 LIST OF ACCEPTABLE MAKES - SOLAR PV PRODUCTS:	TATA SOLAR/MOSER BAER/BHEL /Renew system/Waree/ PANASONIC/ Or other NABL accredited firm as approved by IITH. Or other reputed brands having necessary test certificates from NABL/ MNRE/UL (with approval of IITH)	1.We kindly request you to include SWELECT HHV make (540 - 600Wp) SPV modules in the approved list, which is comply with the tender requirement and matching with the technical specifications and BIS/IEC standards. Also We would like to inform that the panels are manufactured indigenously at Coimbatore, Tamil Nadu as per MNRE guidelines and also enlisted in MNRE as a Manufacturers of Solar Photovoltaic modules under ALMM order.	It is already mentioned in the tender specifications that any other reputed brands having necessary test certificates from NABL/ MNRE/UL (with approval of IITH) will be considered. If it is enlisted in MNRE under ALMM, it is acceptable.
56	Page No: Page 82 10.2 LIST OF ACCEPTABLE MAKES - SOLAR PV PRODUCTS:	SMA /ABB/VACON/SIEMENS /HITACHI/ /SCHNEIDER/AEG EMERSON/WAREE Or other reputed brands having necessary test certificates from NABL/MNRE/UL (with approval of IITH)	2.The suggested Brands are outdated, we request you to please consider SUNGROW/GOODWE make inverters.	It is already mentioned in the tender that any other reputed brands having necessary test certificates from NABL/MNRE/UL (with approval of IITH) will be considered.

Sl. No.	Reference Document/ Page no. / Clause ref.	As per tender document	Bidder's Query	IIT Hyderabad Response
57	General		3. Need clear data with length and width of the areas- P4, P5, P10, P24 and P27. Need confirmation whether they have parking lot layout already designed as it is just barren land for the moment.	Parking lots-P4,P5,P10,P24 and P27 layout drawings shown with dimensions are enclosed herewith.
58	General		4. We need details on the Point of Interconnection. The tender document requires us to interconnect at the substations. It would difficult to have numerous 430V systems to step up to the substation interconnecting voltage.	Please refer to NIT section 02/Project details/Table B for Interconnection details and Power evacuation voltage levels.
59	General		5. Need cable routing details and the distance from each site to the nearest substations.	Please refer to Annexure-IX enclosed.
60	General		6. Need to clarify if there is an existing cable trench route which we can use or need to dig up a new trench. If a new trench has to be dug, need clarification on the path to be considered and need consent from the customer to utilize the same.	Please refer to Annexure-IX enclosed. However the site visit by intending bidder is mandatory for having actual assessment of the prevailing site conditions.
61	General		7. Need to confirm if we can connect to the LT panels at the nearest buildings of the parking areas instead of the substations. If yes, we need the electrical details of the building, the wire route and trenching details along with distance from each sites to the nearest POI.	Please refer to NIT section 02/Project details/Table B for Interconnection details and power evacuation voltage levels.
62	General		8. Need confirmation whether we can trench at the existing parking areas for our DC Cable looping and AC Cable routing from the inverter to the POI (Point of interconnection).	Please refer to Annexure-IX enclosed. However the site visit by intending bidder is mandatory for having actual assessment of the prevailing site conditions.
63	General		9. Need to confirm the scope of Structural design for the carports. (Tentative Design )	It is under successful bidder's scope and Tender condition prevail.
64	General		10. Can we maximize the space available for GM system and spread the remaining to the carport areas.	Tender condition prevail

Note: This issues with the approval of Competent authority.



**Executive Engineer - Electrical  
IIT Hyderabad**