

Clarification of queries raised in pre-bid meeting held on 16.04.2025 at 3:00 PM

NIT No. 01/EE/Elect/2025-26 dated 01.04.2025

Tender ID No.2025_IITK_855215_1

Name of work: Construction of new 11kV/0.433 kV substation with 2x2500KVA transformers near SS No.9 for cater upcoming loads of NSM data Centre extension at IIT Kanpur (SH:Electrical works)

S.No.	Item	Volume / Clause No. / Item no.	Page No.	Tender Description	Raised by Agency	Query	Clarification / May be read as
	Technical						
1	Bus ducts	BOQ s.no. 15		4000 amp in all FP aluminium neutral 100% bus trunking	M/s Sterling and Wilson Pvt. Ltd.	i) We understand that busducts are sandwiched type ii) Please confirm the KA rating (fault current) of the busducts	1) as per BOQ with MTG arrangement 2) 70kA
2	11KV HT Panel	BOQ s.no. 16-28		SITC of indoor type, metal clad switchgear (11KV HT panel)		Please clarify on the requirement of earthing switch / truck.	Required as per standard
3	LT Panel	BOQ/Specs				We understand that LT panels are PTTA type	Yes, as per BOQ & Approved make, OEM.
4	LT Panel	Tendernotice_1 / Specs Cl no. 7.2.1.2.1	56	The main buses & connections shall be of high conductivity aluminium alloy, as per IS : 5082 sized for specification current rating with maximum temperature limited to 85 degree C (i.e., 35 degree C rise over 50 degree C ambient).		As per OEM standard, busbar shall be designed with rise over temperature of 55 deg C above ambient temperature of 40 deg C. Please accept the same.	Acceptable
5	LT Panels	Tendernotice_1 / Specs Cl no. 7.2.1.4.1-iii	58	MCCB should have microprocessor base electronic release with over current, earth fault & short circuit protection equivalent to L&T 'D' since with RC-10 release.		As per standard, please accept MCCBs up to 250A with thermal magnetic releases and above 250A with microprocessor based releases.	As per BOQ & approved make list
6	LT Panels	BOQ s.no. 39-41 Tendernotice_3 /SLD BOQ Item No. 32		BOQ: O/Gs- 4 nos. 400 A, TPN, 50 kA, MCCB, 2 nos. 250 A, TPN, 50 kA, MCCB, 2 nos. 100 A, TPN, 50 kA, MCCB SLD: 1 no. O/G each of 400A, 250A & 100A 1 No's 4000A, FP, EDO, 70 kA, ACB with micro processor based release for O/C/S/C& E/F protection with LCD display 2NO+2NC Aux. Contact. Trip contact T&C. etc.		There is mismatch between BOQ & SLD. Please confirm what is to be followed	Please follow as per BOQ, revised SLD is enclosed.
							Corrected BOQ Item No. 32 , 1 No's 4000A, FP, EDO, 70 kA, ACB with micro processor based release for O/C/S/C& E/F protection with LCD display 2NO+2NC Aux. Contact. Trip contact T&C. etc. and 1 No. Buscoupler 4000A, FP, EDO, 70 kA, ACB with micro processor based release for O/C/S/C& E/F protection with LCD display 2NO+2NC Aux. Contact. Trip contact T&C. etc. and revised SLD is enclosed.
7	LT Cable Termination	BOQ: Sr. no. 256		Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable/control cable of 1.1kV grade as required.		Please confirm whether double compression or single compression glands to be considered.	Double compression glands are to be considered
8	Light Fixtures	BOQ s.no. 272-276				Please provide cat numbers of the light fixtures	As per BOQ & approved make list

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9	Liaisoning Works					i) Please clarify on the scope of CEIG approval ii) We understand that load sanction shall be in client's scope.	i) As per Technical specifications clause no 7.1 under general scope (i). ii) Accepted
10	Technical Specification					Please provide technical specification for following items: i. HT & LT cables ii. Distribution Boards iii. DG Sets	i) As per CPWD specifications and IS 7098. ii) As per CPWD specifications and approved makes iii) Present scope of contract is excluding DG sets . However required inputs shall be provided for commissioning of DG sync panel before drawing approval.
11	Drawings					Please provide all the drawings in AutoCAD format.	Please refer tender drawings including revision
12	Makes	Tendernotice_1 / List of approved makes	121-124			Please accept following additional makes	
	LT power / control			Havells / Finolex/ KEI/ Grandlay/ Polycab/Gloster		Avocab / RR Kabel	Please follow as per approved makelist provided in tender
	XLPE insulated HT cables			KEI/Havells/Polycab/Gloster/ Grandlay		Avocab / RR Kabel	Please follow as per approved makelist provided in tender
	HT/LT transformers			ABB/Schneider /CGL (Crompton Greaves Ltd.)/Siemens		Sudhir / Telawne / TMC / PVJ / Silverline (Please note that Schneider does not deal with dry type transformers & Siemens does not manufacture transformers in required ratings)	Please follow as per approved makelist provided in tender
	HT SF-6 circuit breakers / VCB			Siemens/ ABB/ CGL / Schneider		L&T	Please follow as per approved makelist provided in tender
	HT panel 11 KV			Siemens/ABB/ Schneider/ CGL		Authorized Channel Partners of approved OEMs	Please follow as per approved makelist provided in tender
	Commercial						

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1	EMD	Tendernotice_1 / NIT ITB s.no. 26	1 5	NIT: Earnest Money Deposit (Rs.): Rs. 12,27,298/- (In favour of Director IIT Kanpur) ITB: Earnest money can be paid in the form of Treasury Challan or Demand Draft or Pay order or Banker's cheque or Deposit at call receipt or Fixed Deposit Receipt drawn in favor of Director IIT Kanpur along with Bank Guarantee of any Scheduled Bank where applicable. A part of earnest money is acceptable in the form of bank guarantee also in such case 50% of earnest money or Rs. 20 lacs, whichever is less, will have to be deposited in shape prescribed above and balance in shape of Bank Guarantee of		i) Please provide Bank details for preparing BG for EMD ii) We understand that the EMD (FDR/BG) shall be valid till bid validity period of 90 days	For the preparation of earnest money (EMD), the Beneficiary's Bank Details of IIT Kanpur is here as under: Bank Name : State Bank of India Branch : IIT Kanpur, IFSC Code: SBIN0001161 A/c No. 30632766814 FDR shall be in favour of Director IIT Kanpur ii) Acceptable for 90days validity
2	Power & water	Tendernotice_1 / ITB s.no. 32	6	The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents.		i) We request you to provide power & water for construction at one point free of cost. ii) Power & water for testing & commissioning shall be in client's scope.	Please quote as per tender. Electricity and water shall be extended as per institute norms.
3	Terms of payments	Tendernotice_1 / ITB s.no. 44	7, 8	Payment shall be regulated as under (a) 75% of the awarded value, after initial inspection clearance and delivery at site in good condition on pro-rata basis for major items like Transformers, DG panels, APFC panels, Busduct, LT/HT Panels, LT/HT cables etc as per BOQ (b) 15% of the awarded value on installation and erection. (c) Balance 10% of the awarded value on testing and commissioning of the system.		We request you to accept following terms of payments for all the items: Mob. Adv: 15% of contract value as interest free recoverable mobilization advance 80% of item rate against supply of material at site on prorata basis 15% of item rate against installation of material at site on prorata basis 5% of item rate against testing & commissioning on prorata basis	Not acceptable

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4	Security Deposit	Tendernotice_1 / Schedule E- 6.5	34	Schedule-E: Security deposit: 2.5% of tendered value will be deducted from each bill. Same would be released after successful completion of one year defect liability period and as per special conditions of the contract.		We understand that as mentioned in the GCC, BG shall be acceptable in lieu of cash retention	Acceptable as per GCC
		Tendernotice_3 / GCC Cl 11.2	8	GCC: The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 2.5% of the tendered amount of the work. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The Security amount will also be accepted in the shape of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks will be accepted for this purpose provided confirmatory advice is enclosed.			
5	PBG Submission		36, clause 1A	Applicable. The Defect liability period shall be One year from the date of handing over of the assigned works to the user/institute			Applicable. The Defect liability period shall be Two year from the date of handing over of the assigned works to the user/institute
		Tendernotice_1 / Schedule F- 6.6.2	35	Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof from the date of issue of the letter of acceptance - 7 days		Please give us 15 days time for PBG submission	As per tender
6	PBG Submission	Tendernotice_1 / Schedule F- 12.2, 12.3	37	Clause 12.2 & 12.3: Deviation limit beyond which clause 12.2 & 12.3 shall apply for Building work - NOT APPLICABLE		Please make the clause no.12.2 & 12.3 applicable and kindly confirm the limit for quantity variation.	As per tender
7	Requirement of Technical staff	Tendernotice_1 / Table 9	39			Site staff shall be provided as per front availability and progress of work	As per tender
8	Approach Road	Tendernotice_1 / SCC Cl no. 8.7	112	The tenderer shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.		Approach road for our man & material movement till site office/store shall be provided by client.	As per tender
9	Amendment	Tendernotice_1 / SCC Cl no. 8.13-1	114	The institute reserves the right to amend rules whenever and wherever considered necessary and appropriate. The same shall be intimated to the agency in due course.		All the amendments shall be made before bid submission.	As per tender

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10	Arbitration	Tendernotice_1 / SCC Cl no. 8.13-2	114	Any dispute arising out of and in relation to this agreement shall be referred to the arbitration by sole arbitrator to be appointed by Director of the Institute. The arbitration would be conducted and governed by and under the provisions of Arbitration Act, 1996 and its amendments. Any legal dispute will be subject to jurisdiction of Kanpur Courts only and no other court shall have the jurisdiction.		Arbitrator shall be jointly appointed by the client & contractor	As per tender
11	Order of precedence	Tendernotice_1 / SCC Cl no. 8.16	116	In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions: (a) Schedule of quantities (b) Technical specifications of the NIT (c) Approved Drawing (If any) (d) CPWD General specification Part – I (Internal) 2014, BIS Codes amended up to date, practices (e) CPWD General Specifications for Electrical Works–Part-II(External), 2014 amended up to date. (f) Relevant IS or other international code in case IS code is not available. (g) Indian Electricity Act 2003 and Indian Electricity Rules 1956 amended up to date. (h) Local Fire Regulations applicable at the place of		Please include Prebid clarifications/amendments in the order of precedence. We request to accept following order of precedence: (a') Prebid clarifications/amendments (a) Schedule of quantities (b) Technical specifications of the NIT (c) Approved Drawing (If any) (d) CPWD General specification Part – I (Internal) 2014, BIS Codes amended up to date, practices (e) CPWD General Specifications for Electrical Works–Part-II(External), 2014 amended up to date. (f) Relevant IS or other international code in case IS code is not available. (g) Indian Electricity Act 2003 and Indian Electricity Rules 1956 amended up to date. (h) Local Fire Regulations applicable at the place of installation.	As per tender and upto date amendments
12	Compensation for Delay (LD)	Tendernotice_3 / GCC Cl 2	14	Compensation for delay of work (i) With maximum rate @ 1% (one percent) maximum per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10 % of the accepted Tendered Value of work		Please accept LD clause as 0.5% per week subjected to 5% of total contract value.	As per tender and GCC 2023 of CPWD

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13	Statutory variations	Tender notice_3 / GCC Cl 34-i	54	However, effect of variation in rates of GST or Building and Other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease. Provided further that for Building and Other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess. Provided further that such increase including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.		i) Please confirm of labour cess (BOCW) shall be paid extra or to be included in our rates. ii) Statutory variations shall be adjusted as per actuals during schedules as well as extended period of completion. Please delete the last paragraph of this clause.	As per tender. Please note that no extra amount for cess shall be paid. Please quote accordingly
1			1 to 14		M/s Evercrest Projects Pvt. Ltd.	Transformer	
2			16 to 28			Please Clarify make List for Transformer . (Can we offer Voltamp / Kiloamp) Transformer ? For HT Panel	As per tender make list
						Please Clarify that , is it a OEM Panel / Authorized partner of OEM ?	OEM only
						Can we Offer Panel through Authorized partner of OEM ?	No
						Please provide Technical specifications for HT Panels.	please refer page no 73 to 81
3						For AMF Panel / Synchronization Panel / DG Set	
						There is no Supply of DG Set in our scope ,	Supply of DG set is not in your scope
							Proposed 3x750KVA DG set for power backup of substation is under separate procurement. Successfull bidder should coordinate with the department and DG supplier for necessary commissioning activities of PLC panel & DG Synchronization panel

[illegible]

Date of Revision	16.04.2025, Rev.01	DRAWING NO. IWD/ED/2025/INSS#9/01
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Rev 01

16/04/25

2025/04/04