

NATIONAL INSTITUTE OF ANIMAL BIOTECHNOLOGY
(Ministry of Science & Technology, Govt. of India)
HYDERABAD

AMENDMENT No.: - II

Dated: 03.03.2016

Project Name: Tender for "External Electrical Works at NIAB Campus, Hyderabad".

Tender No.: HSCC/NIAB/ELECTRIAL/2016, dated: 12.02.2016

1) The Last date of submission & opening of bids has been extended as follows:

- (i) **Last date to fill/upload the tender :** upto 14:30 hrs. on 17.03.2016
through e-Tendering.
(Last date of receipt of tender)
- (ii) **Date of Opening of bids :** on 17.03.2016 at 15:00 hrs.

Reply to Pre Bid Queries raised by bidders during pre -bid meeting held on 25.02.2016 at NIAB, Hyderabad, Campus

Sr. No.	Ref./ Vol./ Cl.No.	Subhead/ Item	Bidders Queries	Reply
1	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	For Item no. 1, 33KV HT Panel. Kindly confirm the amperage rating and short circuit fault level for metal clad VCB. As the BOQ and SLD are differ from one another.	33 KV Panel shall be of 800 Amps, 25 KA rating.
2	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	As per tender specification all panel shall be PTTA (s.no.-7.1.6) but as per tender bom Main L.T. shall be TTA. kindly confirm.	Only Main LT Panel shall be TTA.
3	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	Kindly confirm the cable entry in panel shall be from top or bottom.	Cable entry shall be both from top/ bottom.

4	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	As per specification (s.no. 7.2.2.2) all panel shall be of 35ka/50ka fault level but as per tender bom ROAD LIGHTING PILLAR shall be with 25ka fault level.kindly confirm.	All panels shall be of fault level as per tender /BOQ except Road Lighting Pillar
5	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	For Panel Bus-Bar shall be TPN 100% neutral or 50%. Kindly confirm.	For panel busbars of rating upto 200 Amps shall be TPN with 100% neutral and above 200 Amps with 50% neutral.
6	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	As per specification (s.no. 7.1.6.2) incoming feeder meter shall be with size 144mm ² and out feeder with 96mm ² meter but as tender Bom all meter shall be size 96mm ² . kindly confirm.	All meters shall be as per specifications.
7	VOLUME V-BOQ	SUBHEAD-I SUB STATION EQUIPMENT	As per tender Bom Incomer of capacitor panel shall be EDO/MDO kindly confirm which we have to considered.	Incomer ACB of capacitor panel shall be MDO type.
8	VOLUME V-BOQ	SUBHEAD - II "BUS TRUNKING, CABLE & CABLE TRAY"	For BUS trunking system, As per the BOQ, the BUS Duct shall be of IP 65. But as per the specs the same has been mentioned with IP 55. Kindly Confirm.	Outdoor bus trunking shall be of IP 65 and Indoor shall be of IP 55.
9	VOLUME V-BOQ	SUB-HEAD- VI DG SETS, AMF & PLC PANEL	In BOQ (2a.a,3a.a), For 500KVA & 125KVA we will offer AMF Panel as per BOQ and not considered any equipment's for synchronization. Kindly confirm.	As per BOQ
10	VOLUME V-BOQ	SUB-HEAD- VI DG SETS, AMF & PLC PANEL	In BOQ (3a.a), Please mention the elevation & ambient temperature for hyderabad site because for 125KVA DG set will be de rated (1000MSL) due to site condition.	DG output shall be as per CPWD specifications considering maximum ambient temperature 40° centigrade and elevation is 1000 metre above sea level.
11	VOLUME V-BOQ	SUB-HEAD- VI DG SETS, AMF & PLC PANEL	In BOQ (1a.g,2a.g,3a.g), As per manufacture design can we offer VRLA SMF type battery.Kindly confirm.	VRLA SMF type battery acceptable as per manufacturer's design.
12	VOLUME V-BOQ	SUB-HEAD- VI DG SETS, AMF & PLC PANEL	In BOQ (2b.j,3b.j), Since AMF operation is achieved through timer logic hence no separate AMF relay will be considered at our end.	As per specifications.
13	VOLUME IV-TENDER SPECIFICATI ON	DG SETS	In Specs (12.8), As per manufacture standard DG set shall be provided with AVM pads instead of foundation bolts. Kindly confirm.	As per specifications.

14	VOLUME IV-TENDER SPECIFICATION	DG SETS	In Specs (12.8), As per Boq it is mentioned that 4x12V 180AH capacity but in specs it is mentioned 360AH. So kindly confirm can we considered suitable AH as per cummins standard.	As per specifications.
15	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.9), As per Boq it is mentioned Radiator cooled DG set but in specs it is mentioned Heat exchanger kindly confirm.	As per BOQ, radiator cooled.
16	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.14), As per manufactured standard our SPDP shall be IP 23 instead of IP 21 kindly confirm.	As per specifications.
17	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.15), As per manufactured standard our sealed bearing having minimum service life of 30,000 hour instead of 40,000 hour kindly confirm.	As per specifications.
18	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.16), There is no provision for lube oil temperature indication for 500kVA & 125KVA DG set as same shall be indirectly monitored through engine jacket water temperature.	As per specifications.
19	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.16), Please clarify what protection required for locked rotor.	As per manufacturer's standard.
20	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.18), We have not considered witnessing of test carried out. However certificates of routine/ type test carried on engine and alternator shall be furnished kindly confirm.	As per specifications.
21	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.19), All the consumables required for testing and Commissioning at site like load, water, diesel etc. shall be in purchaser scope kindly confirm.	As per specifications.
22	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.20), As per manufacturer standards Tolerance shall be of +5% instead of 3% kindly confirm.	As per specifications.
23	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (12.21), We request you to provide the detail of load such as base load, step loading. Detail and method of starting to confirm the TVD.	
24	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (13.5.7), As per manufacture standard for 750KVA DG Set fuel oil tank which shall be placed outside the acoustic enclosure kindly confirm.	As per manufacturer's standard.
25	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (13.5.14), As per manufacturing standard, offered DG set enclosure is self ventilated type, there is no requirement of forced ventilation & same shall not be considered in our scope kindly confirm.	As per specifications.

26	VOLUME IV-TECH. SPECS.	DG SETS	In Specs (13.5.15), Acoustic enclosure shall be weather proof type suitable for outdoor application and there is no IP defined for the same kindly confirm.	As per specifications.
27	VOLUME IV-TECH. SPECS.	AMF PANEL	Do we have to consider any kind of protection for mains in our scope. However, Over voltage & under voltage protection shall be done through Voltage monitoring relay.	As per standard practice.
28	VOLUME IV-TECH. SPECS.	AMF PANEL	We will provide only MFM meter with port for monitoring of data. However we will not consider any kind of PLC or PC in our scope.	As per specifications.
29	VOLUME IV-TECH. SPECS.	LOM	For Main LT Panel/ APFC panels /Main AC panel. Can we consider authorise panel builder for the approved Circuit Breakers.	As per tender approved makes.
30	VOLUME IV-TENDER SPECIFICATION	LOM	For 33 KV VCB Panel Board/ RMU. Can we consider authorise panel builder for the approved Circuit Breakers.	As per tender approved makes.
31	VOLUME IV-TENDER SPECIFICATION	LOM	We propose following additional makes to be considered,	Additional makes not accepted.
32	VOLUME IV-TENDER SPECIFICATION	Bus Duct/Rising main	GODREJ	Additional makes not accepted.
33	VOLUME IV-TENDER SPECIFICATION	HT/LT- XLPE cables	KEI/ RPG/ RR KABEL	Additional makes not accepted.
34	VOLUME IV-TENDER SPECIFICATION	Cable Trays/ Raceways	MEM/ INDIANA	Additional makes not accepted.
35	VOLUME IV-TENDER SPECIFICATION	Light fitting	WIPRO	Additional makes not accepted.

36	VOLUME IV-TECH. SPECS.	High Mast poles	SURYA/ WIPRO	Additional makes not accepted.
37	GENERAL:		As per the Government of India Notification from ministry of Small Micro and Medium Enterprise it is mandatory for all Central Ministry/ Department UPSU to give exemption for payment of EMO and tender fees to all NSIC registered vendors as per notification. We are enclosing here with the copy of Government of India notification. So it is requested you to please consider this and issued the amendment for the same.	As per tender conditions
38			In the SLD of the 33KV 1/C it is shown that there will be a 33KV 800Amps outdoor VCB has to be used but in the SOQ no item has been considered. Kindly incorporate the OVCB items in the SOQ.	33 KV panel is not in the scope of the contractor as per BOQ.
39			It is requested to please accept the CT's, PT's, Indication Lamps, Push buttons, selector switches and relays of the makes suggested by the OEM of the HT Panel. They do not provide the makes as suggested in the list of approved make & in case the same is asked for the delivery schedule becomes very long.	HT panel manufacturers can use their own manufactured items for the fabrication of the HT panel.
40			In the technical specification of the HT switchgears it is mentioned to provide the spares for the 3 years for satisfactory operation with catalogue no. Kindly confirm the quantities of the spares which we have considered and where the price of the spares is to be included as there is no separate item for the same.	Spares are not in the scope of the Contractor.
41			In the SOQ item no. 2. For the 2 MVA transformer type is mentioned Oil filled type and SLD is showing dry type. Kindly clarify the same	Transformers will be as per BOQ
42			In the SOQ item no. 2 for the 2 MVA transformer. It is mentioned in the SOQ that the transformers shall confirm to IS 2026 & 11171 and in technical specification it is mention that the transformers shall confirm ECBC-2011 with latest amendments. We wish to inform you that the after January 2016 as per government of India notification all the oil cooled transformer has to be manufactured considering the losses as per 181180. The transformer manufacturer cannot manufacture the transformer as per old IS. So we request you to please make necessary amendment and issue the same.	The transformers will confirm to IS 2026 ammended upto date and its losses will be as per ECBC guidelines ammended upto date, as per BOQ

43			In the SOQ item no. 4 Main LT Panel (ESS). It is mentioned that "TTA (Totally Type tested)" are required. We requested consider also PTTA (Partially Type Tested) from any CPR1 approved panel builder as the manufacturer.	As per tender.
44			In the SLD of the Main LT Panel (ESS). It is shown that the APFC panel breaker will be operated by PLC .In the SOQ the breaker is consider of MOO type which cannot be operated by the PLC. The breaker will be EDO type. Kindly make amendment and issue the same.	All ACB to be operated by PLC shall be of EDO type.
45			In the specification of the HT and LT cables it is mentioned that the cable shall be FLRS type. Kindly confirm both the HT, LT and Control cables all are required FRLS type.	As per BOQ
46			In the specification of the HT and LT Cable it is mentioned that the multi core cable armour shall be of galvanized steel strip/ wire, Kindly confirm if strip or wire is required.	The multicore cable's armour shall be of galvanized steel strip
47			In the SOQ item No.1a Dg Sets. It is mention the exhaust piping will be done by C class pipe and in the specification it is mentioned to be B class. Kindly confirm what is to be considered.	Class B as per CPWD.
48			In the SOQ Item No.1a, 2a, 3a. In the SOQ it is to be confirm that if the DG Sets are to be installed outside the building or inside the building. If it has to be installed inside the building than please specify the height of the building and send us the drawing of the building.	The DG sets shall be installed in open outside the building
49			Please accept the CTs, PTs, Indication lamps, Push buttons, Selector switch & Relays of the Makes as suggested by the OEM of the Product.	As per list of makes.
50			We also requested you to please add the other panel manufacturer make like "Peaton Electrical Company Limited, Power & Instrumentation (Guj).Ltd., & Rittal" in the approved make of Main LT Panel/ APFC panel/ Main AC Panel/ MV Panel/ Fire Panel/ AHU Panel as we are CPWD approved panel builders and have valid CPRI Type Test Certificates and also we have supplied and installed the above said panels at various government projects.	No change. It will be as per tender.
51			It is requested to kindly add these more makes in the list of approved makes of the tender and contract document in addition of other approved make of below items	No Change, it will be as per tender.

52	GENERAL:	Vol.-I (NIT/PQ)	<p>2.3.7 Contents of Financial Package: Financial Package/ Price Bid; Shall be submitted online only duly digitally signed & stamped by authorized signatory and comprise the following:</p> <p>(i. The financial package (VOLUME V - BILL OF QUANTITY/ PRICE BID) should be submitted ONLINE only. These prices should include all costs associated with the Project including any out of pocket / mobilization expenses, taxes, charges, levies, cess, VAT, including Service tax etc. as applicable till the date of NIT. In case Government levies/modifies any tax subsequently the same will be adjusted plus/minus as the case may be. The Bidder must ensure to fill up price against each item of Price bid. If any cell is left blank then value of that cell shall be treated as “0” (ZERO). It shall be deemed as the bidders have agreed such items left blank, as agreed to be done by the bidders free of cost upto agreement (BOQ) Quantities.</p>	<p>Shall be read as :</p> <p>(i.) The financial package (VOLUME V - BILL OF QUANTITY/ PRICE BID) should be submitted ONLINE only. These prices should include all costs associated with the Project including any out of pocket / mobilization expenses, taxes, charges, levies, cess, VAT etc. and excluding Service tax as applicable till the date of NIT. In case Government levies/modifies any tax subsequently the same will be adjusted plus/minus as the case may be. The Bidder must ensure to fill up price against each item of Price bid. If any cell is left blank then value of that cell shall be treated as “0” (ZERO). It shall be deemed as the bidders have agreed such items left blank, as agreed to be done by the bidders free of cost upto agreement (BOQ) Quantities.</p>
53			Service Tax regarding	Rates/ Price to be quoted without service tax. Service tax as applicable, shall be reimbursed separately on submission of proof of deposition.
54			The submission date of the tender is on 10.03.2016 till 14.30 PM. Now we requested that after getting the clarification of above points from the department we required to prepare for the price bid. So it is requested to please extend the date of submission on price bid by 10 to 15 days.	Last date to fill/upload the tender through e-tendering has been extended : upto 15:00 hrs. on 17.03.2016

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> and HSCC website www.hsccltd.co.in as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for this.

All other terms & Conditions of the tender shall remain unchanged.

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Chief General Manager (PG-II),
HSCC (India) Ltd.,
For & on behalf of Director, NIAB, Hyderabad