

HSCC (India) Limited
as Executing Agency on behalf of
MINISTRY OF HEALTH & FAMILY WELFARE,
Government of India, New Delhi

Dated : 31.05.2019

AMENDMENT No. – 2

Project Name: Tender for “External Electrical Works for All India Institute of Medical Sciences (AIIMS) at Raebareli (U.P.)”

Tender No. HSCC/PMSSY/AIIMS/Raebareli/Ext-Elect/2019; dated: 06.05.2019

This has reference to subject work, the following Amendment may be noted, which shall be treated as a part of the contract to be uploaded along with tender/ bid:

(A) The date of Amendmnet No.1 may be read as **“30.05.2019”** in place of 30.05.2018.

(B) As per previous Amendment No.-1

As per Amendment No.-2

As per Amendment No.1 :

May be read as follows:

Last date to fill/upload the tender : upto 15:00 hrs. on 11.06.2017
through e-Tendering.

Last date to fill/upload the tender : upto 15:00 hrs. on **11.06.2019**
through e-Tendering.

Date of Opening of bids : on 11.06.2017 at 15:30 hrs.

Date of Opening of bids : on **11.06.2019** at 15:30 hrs.

(C) Reply to other remains Pre Bid Queries raised by bidders during pre -bid meeting held on 17.05.2019 at HSCC, Head Office, Noida

Sr. No.	Cl.No. / Vol./ Docs. Ref.	Tender Ref./ Description	Bidders Queries	HSCC Reply
1	GCC Pg.69 Clause 38 GCC	Taxes-Conditions For Reimbursement of Levy /Taxes if Levied After Receipt of Tender.	We presume that any change in taxe sturcture shall be applicable & reimursed to vendor upward or downward.	Shall be as per tender condition.
2	Boq Item no. 1.01,1.02,1.03.	HT Panel	We presume that cable entry shall be from bottom of the panel ,please confirm.	Top /Bottom as per actual requirment at site
3	Boq Item no. 1.01,1.02.	33 KV HT Panel	Boq mentions 26 KA breaking capacity whereas specification mentions 25 KA , kindly clarify.	As per BOQ
4	Boq Item no. 1.01,1.02.	33 KV HT Panel	HT panel specification clause 1.3.4 mentions “ Internal Arc of 25 kA for 0.1 Sec”. but clause 1.9.1(g) ask for type test at “Internal Arc of 25 KA for 01 Sec”. Please clarify.	25KA for 1 Sec.
5	Boq Item no. 1.04	RMU	Kindly provide us make list of the same.	As per tender
6	Boq Item no. 1.06	33 KV Transformer.	In Transformer description ,Differential protection relay requirement is mentioned, these raleys are normaly part of HT panel.Please confirm.	Differential protection relay in HT panel & Neutral CT in transformer as required

Sr. No.	Cl.No. / Vol./ Docs. Ref.	Tender Ref./ Description	Bidders Queries	HSCC Reply
7	Boq Item no. 1.06	33 KV Transformer.-NGR.	Requirement of NGR is not envisaged as the same is not part of BOQ.Please confirm.	As per BOQ
8	Boq Item no. 1.06	33 KV Transformer.-NIFPS	Requirement of NIFPS is not envisaged as the same is not part of BOQ.Please confirm.	As per BOQ
9	Boq Item no. 1.09	Bus Duct having 65kA short ckt	Specification mentions 50 KA but Boq call for 65 KA short circuit,Please clarify.	As per BOQ
10	Boq Item no. 1.25 & 1.26	Cable Tray-Coating.	Cable tray shall be MS painted or Powder coated ,please confirm.	Power coated
11	Boq Item no. 2.00	Main LT Panel-Bus Bar.	Main LT panel section 2.01 mentions aluminum Bus Bar, but section 2.01 (b) Bus bar said copper bus bar. Please clarify..	Copper bus bar as per BOQ
12	Boq Item no. 2.02	Capacitor panel	Is standard for MPP capacitor is IS 13340 instead of IS 13385,please accept.	IS 13340
13	Boq Item no. 2.02	Capacitor panel-Capacitors type.(Clause 3.1.0.5 ii)	Capacitors are MPP filled they are not copper wound as mentioned in clause.Hence we request you to kindly remove " copper wound" words from specification.	As per BOQ
14	Boq Item no. 4.01	Rising Mains.	Please specify KA rating of the Rising mains.	50KA
15	Boq Item no. 13	Solar Power System	The approved makes M/S CEL, BEL,.BHEL are manufacturing only Solar PV module & not doing Trunking project, So we request you to give approval of SITC work to electrical vendor also. Also please approve additional solar PV modules make i.e. Moser baer,Kirlosker,Rolta.	No change as per tender
16	General	Specifications for PA System, AV System & Boom barrier are not given.	Request you to provide the specifications for PA System, AV System & Boom barrier	As per BOQ
17	BOQ E35 R0, Item No. 10.09, 10.11	Speaker cable & conduit-Speaker cable quantity is very high as compared to conduit Qty.	Speaker cable quantity is 5000 meter, but required conduit is only 700 meter, please clarify the same	As per BOQ
18	BOQ E35 R0, Item No. 10.12	Projector for Labs & Demo Room-Multimedia Projector	Please confirm the Projector asked in BoQ is Ultrashort throw projector or normal ?	As per BOQ
19	BOQ E30 R0, Item No. 2 & 4	Amplifier-No. of channels are not defined in amplifier	Request you to please define the no. of channels in Amplifier.	As per BOQ/actual site condition
20	BOQ E30 R0, Item No. 2 & 4	IP network audio adopter builtin Amplifier-IP network audio adopter is a digital Signal Processor ??	Please specify the use of IP network audio adopter??	As per BOQ/ requirement at site
21	BOQ E30 R0, Item No. 6 & 7	Decoder & paging microphone-No.of zones are missing	Please provide the no. of zones in PA System.	As per BOQ/ requirement at site
22	BOQ E30 R0, Item No. 8	Software-Specifications for software are missing	Please provide the details of software so that correct product shall be considered.	As per BOQ/ requirement at site

Sr. No.	Cl.No. / Vol./ Docs. Ref.	Tender Ref./ Description	Bidders Queries	HSCC Reply
23	BOQ E30 R0, Item No. 10,11	Speaker cable & microphone cable description are missing.	Please provide the details of speaker & microphone cable like no. of cores, flexible or armoured etc.	For Speaker 2X1.5 Sqmm Armoured cable or 2X1.5 Sqmm wire in conduit. For microphone Sheathed & shield cable
24	General	Operation & Maintenance Period - During Defect Liability Period, i.e. 12 months	Please clarify the manpower details required and the number of shifts for operation to be considered. Please also confirm whether this will be considered under Bid Evaluation or not.	Any maintenance during defect liability period suitable man power depute to carry out maintenance round the clock functioning of Hospital
25	General	The Defects Liability Period shall be up to 12 months from the date of Completion of works	We request you to accept the "Defect liability period as 12 months from the date of commissioning or 15 months from the date of delivery, which ever ends earlier."	As per tender
26	General	Approvals Required - The Contractor shall obtain all necessary approvals Electric Supply and inspectorate. Agencies concerned, such as, but not limited to, Police and Security Agencies, in accordance prevailing rules, Building Bye-Laws etc., as the case may be with related to/ required for Construction/Completion. All expenditure on this account will be borne by the contractor.	Please confirm whether CEIG Approval is in the scope of the contractor or not? Or only Technical Documentation needs to be furnished for the same.	As per tender
27	SCC page-11	Scope-Liaison for getting electrical connection	We presume that Load in already sanctioned for the site hence only CEIG approval is applicable.Please confirm.	As per tender
28	General	Foundation work	Kindly provide us soil bearing capacity so as to design foundation of equipments.	will be provided to successful bidder
29	Specification 88 page.	Make list.-Choice of make	The choice of make should be with contractor only ,subject to approval from client among the make list provided in tender.Please confirm	As per tender
30	Specification.SPEC Page E-36, 7.2.1 (i)	Approvals from Electrical Inspectorate and PCB	We assume we need to consider cost for CEIG approvals only as there is no such clearance required from Central Pollution Control Board (CPCB) & State Pollution Central Authority after delivery of the DG sets at site by the DG vendor, we assume you have already taken the clearance from CPCB & State Pollution Central Authority at the time of starting of the project. Please clarify the same shall be considered in DG set prices or please create the separate line item for approval (CEIG).	As per tender
31	Specification.-SPEC Page E-38, 7.2.1 (m) & SPEC Page E-37, 7.2.2 b	Control Cabling between Alternator and Panel	We assume that all the cable inside acoustic enclosure in DG Vendor scope. Apart from this any cables between DG set to Outside panel will be in customer scope as the same is not asked in BOQ. Please confirm.	As per tender
32	Specification.-SPEC Page E-38, 7.4.2	Ambient Temperature 50 deg C	offered 1250KVA Engine which is designed at 50 deg C which is inline with your tender specifications, however all alternators designed at 40 deg C with Insulation class H to H. hope the same meets your requirement and in line with your tender specifications, please confirm.	As per BOQ/tender

Sr. No.	Cl.No. / Vol./ Docs. Ref.	Tender Ref./ Description	Bidders Queries	HSSC Reply
33	Specification.-SPEC Page E-39, 7.4.5 c	990 ltrs. day oil tank	1250 KVA DG set is supplied with separate 990 ltrs. day oil tank with 2mm thick MS Sheet. Please confirm the fuel piping between DG set to day oil tank for 1250 KVA DG set will be in DG vendor scope or not, if yes then please confirm the distance between DG set to day oil tank.	As per BOQ/tender
34	Specification.-SPEC Page E-39, 7.4.5 c	990 ltrs. day oil tank	250 KVA DG set has inbuilt type 390 ltrs. day oil tank. Please accept.	Total 990ltrs. As per BOQ/Specifications
35	Specification.-SPEC Page E-40, 7.4.12 a	5 normal starts without recharging	Our DG set will be supplied with batteries which are capable to start DG set for three successive starts without recharging.Hope the same is acceptable to you.	As per BOQ/Specifications
36	Specification.SPEC Page E-44 7.5.8	Axial Flow Fan	Our offered DG sets are naturally ventilated. Hence axial flow fan is not required as per our standard ARAI approved design.	As per BOQ
37	Specification.-SPEC Page E-44	Cooling Tower	Not required as requirement is of radiator cooled DG set	OK
38	Specification.-SPEC Page E-48, 7.8.3 ,7.8.4,7.10	Double frequency meter,Sych Check relay, Synchronization Module	We assume Synchronization is through Synch Controller. Hence Double frequency meter,synch check relay,synchronization module which are part of manual synchronization are not required. Please confirm.	We required manual synchronization also. Design will be as per OEM
39	BOQ E-17, 3.02 E	Auto Synch. Facility with Synch. Controller	Protections which are in built in DG controller, will not required saperate relays in LT Panel to avoid the duplicity, please confirm.	OK
40	BOQ E-15, 3.01	Catalytic Convertor exhaust pipe	Pleased to confirm you that all DG Sets up-to 1000KVA (800kw) complied the latest CPCB-II norms and above 1000KVA (800kw) DG Sets meets the applicable Indian emission limits with exhaust height of 30mtr / building height + 6mtr whichever is max, hence there is no such need to consider / quote for catalytic converter. Please confirm	As per CPCB Norms
41	BOQ E-15, 3.01	Foundtaion of DG set	We request yout to kindly exclude civil foundation from our scope of work as mentioned in specification clause 7.2.2(a) and BOQ as we are not having the expertice in the civil work.	As per BOQ
42	BOQ E-20, 3.05	Under Ground tank	We presume that piping work form HSD to DG is excluded form our scope of work, If yes then please provide the detail BOQ or P & I Diagram (quantify the valves, strainer, MS Pipe, Pump,Bellow etc.).	All inclusive as per BOQ & length etc. will be as per actual site condition.
43		Factory Acceptance testing	We will offer standard 1hour testing of assembled DG sets as per our work standard procedure and QAP. All routine test certificates along with type test reports will also be shared along with the DG sets supplies, However we assume charges toward lodging, boarding & travelling for works testing (FAT) inspection witness shall be borne by department.	OK

Sr. No.	Cl.No. / Vol./ Docs. Ref.	Tender Ref./ Description	Bidders Queries	HSCC Reply
44	Specification 7.13	Load Test-Commissioning Check Tests/Performance and Guarantee Test:	We assume Diesel, water and Load for testing and commissioning of DG Sets at site shall be arranged / provided by department, however testing and commissioning will be done by DG OEM at FOC basis.	As per tender
45	General	Bulk Oil Storage Tank & CCOE approval.	We presume that CCOE approval is not in our scope of work.Please confirm.	As per BOQ
46	General	Any Spares / AMC / CAMC / Operations & Maintenance during and after DLP	We presume that same is not in our scope of work.Please confirm.	As per BOQ
47	DG-Make	AMF Relay	Please approve Deep Sea make AMF Controller/Synchronization Controller as this has to be as per DG OEM std scope of supply because it will help us to coordinate during the execution and T&C.	As per OEM design
48	Clause 24 (Term of Payment) - Additional Specific Conditions of Contract (Vol.-III-SCC)	Term of Payment (Only for Items of Major Electrical Equipments) a. 70% of BOQ rate on receipt of equipment against receipt of complete material at site & test certificates. b. 15% of BOQ rate on erection and installation of equipment. c. 10% after successful completion of all works including all testing, commissioning & taking over. d. 5% after taking over of all works.	PWe request that, the same payment terms is applicable to complete tender items.Kindly confirm.	Major electrical equipment : HT Panels, LT Panels, Transformers, HT/ LT Cables, Bus duct, Rising mains, DG set, UPS, MV Panels, Lighting Poles.

The Validity of Bid Security/ EMD will be considered from the original date of bid submission i.e. 31.05.2019

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

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> & HSCC website <http://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.

(- Sd -)
General Manger (Elect.), HSCC (India) Ltd.