

GOVERNMENT OF MAHARASHTRA
Medical Education & Drugs Department, Mumbai

Dated: 16.11.2018

AMENDMENT No. – I

Project Name: Tender for “Construction of Medical College , Hospital, Hostels, Residences and other allied building works including Internal & External Electrification, HVAC, PHE, Fire-fighting, , IT, OT, CSSD, Special Services MGMS and external development works etc., including Detailed Design Engineering based on the Conceptual drawings along with defect liability period & operation and maintenance for 60 months at Chandrapur, Maharashtra”.

Tender No. : HSCC/MEDD/Chandrapur/2018, dated: 29.10.2018

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

(i) Last date to fill/upload the tender : upto 15:00 hrs. on 29.11.2018
through e-Tendering
(Last date of receipt of tender)

(ii) Date of Opening of bids : on 29.11.2018 at 15:30 hrs.

2) Reply to Pre Bid Queries raised by bidders during pre -bid meeting held on 09.11.2018 at HSCC, Head Office, Noida.

S. No.	Document Ref	Clause Ref	Page No.	Tender Ref./ Description/	Query by Bidders	HSCC Reply
1	Vol.-I & III - Approvals				Please clarify about the pre and post approvals to be taken by the contractor. Obtaining occupancy certificate and related NOC's from statutory/local/governmental agencies are generally under client's scope.	Refer Cl. No. 4 "Scope of Contract" & Cl.No. 4.1.1 "Approval required" of Vol.-III (SCC) of the tender documents.
2	Built up Area				Please confirm the approximate Built up area for this job.	Approx Built up Area is 121616 Sqm.
3	Soil Report				We request you to provide us the soil investigation report to know about the nature and strata of sub soil	Refer Cl. No. 1.1.7 of Vol.-I (NIT/PQ & ITB) of the tender documents.
4	Drawings - Vol.-VI				Kindly provide us the drawings in Auto Cad format for our working	Drawings in PDF format are available on HSCC e-tender portal.
5	HVAC Works				As per Bill of Quantities of HVAC works for A. Equipments 1. Water Chilling Units. The approved pressure drop requirements for centrifugal chilling units for both evaporator and condenser as per 2017 CPWD general specifications for heating, ventilation and air-conditioning (HVAC) works 2017 is 10 metres (Reference - Page No. 36, Head - 2.1.2 Design Parameters, Sub head 2.1.2.1 Chilling Unit). We would request you to kindly accept pressure drop upto 8 meters as the allowable limit for evaporator as well	8 mtr. pressure drop for evaporator is acceptable.
6	Volume - I, Notice Inviting Bids & instructions to Bidders	Notice Inviting Bids - Cl 1	Page - 11	The Chief General Manager (PG-1), HSCC (India) Limited invites online Item Rate Tenders on & behalf of Medical Education & Drugs Department, Government of Maharashtra	Please confirm the type of tender "ITEM RATE" OR "lumpsum" as in tender it is mentioned as "Detailed Design Engineering based on the Conceptual drawings" as well as BOQ is also given. Kindly confirm.	Its an Item rate tender load all expenditure required for detailed drawing.
7	Volume - I, Notice Inviting Bids & instructions to Bidders			Detailed Design Engineering based on the Conceptual drawings	Please confirm detailed design engineering is in contractor's scope, whereas the payment will be done at actual work done with respective BOQ item. Please confirm.	Its an Item rate tender.

S. No.	Document Ref	Clause Ref	Page No.	Tender Ref./ Description/	Query by Bidders	HSCC Reply
8	Vol 5 - BOQ, Civil Work Sr. No. 10-RCC			Providing and laying Cast in situ/Ready Mix Cement concrete M-25 of trap/granite/quartzite/gneiss metal for R.C.C. Work in foundations like raft, strip foundations, grillage and footings of RCC columns, steel centering, formwork, cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided	Please provide shuttering coefficient as rate for concrete is inclusive of shuttering	As per SOR Maharashtra.
9	Vol 5 - BOQ, Civil Work Sr. No. 19 - Reinforcement			Providing and fixing in position TMT...binding with wires or tack welding and supporting as required complete	Please confirm binding will be with wires or welding need to be considered, as the rate for both will vary.	Binding Wire.
10	Schedule F -	PAYMENT DUE TO VARIATION IN PRICES OF MATERIALS AFTER RECEIPT OF TENDER	Cl 10 CA	Cement, Steel Reinforcement bars, Structural Steel & POL	Please provide basic rate as per clause 10C(A) for Cement, Steel Reinforcement bars, Structural Steel & POL	Shall be as per Tender conditions.
11	Volume 2	Cl.2-Compensation for delay	GCC-2	Provided always that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Tendered Value of work	We request to keep liquidated damages maximum upto 5% of the tendered value	Shall be as per Tender conditions.
12	Volume 1 & SCC	Section III - Scope of work - Point (i), Cl 4.1.1 - Approvals Required	Page 30 & page 7 of 132	Approvals Required - The Contractor shall obtain all pre & post construction clearances/approvals from Environmental Authority, Municipal and other relevant statutory authorities/local bodies including Water supply agencies concerned, Electric Supply and inspectorate	Environmental Clearance & tree cutting permission will be taken By client. Please confirm	Refer Cl. No. 4 "Scope of Contract" & Cl.No. 4.1.1 "Approval required" of Vol.-III (SCC) of the tender documents.
13	Volume 1 & SCC	Section III - Scope of work - Point (i), Cl 4.1.1 - Approvals Required	Page 30 & page 7 of 132	Approvals Required - The Contractor shall obtain all pre & post construction clearances/approvals from Environmental Authority, Municipal and other relevant statutory authorities/local bodies including Water supply agencies concerned, Electric Supply and inspectorate	All statutory fees for approvals shall be borne by client. Please confirm.	Refer Cl. No. 4.1.1 of Vol.-III (SCC) of the tender documents.
14	Earnest Money Deposit	NIT - Cl 1.9, Pg 13, Vol I	Pg 13	1.9. Bid shall be accompanied with Earnest money of Rs. 614 lakhs in shape of demand draft of a scheduled bank issued in favour of "HSCC (India) Limited" Payable at New Delhi/Noida or fixed deposit receipt or Banker's cheque or Bank Guarantee in favour of "HSCC (India) Limited" as per Form B	Please provide Client bank details for preparation of EMD in form of BG as follows: 1. Client Bank name 2. Bank account no. 3. Bank address and IFSC code	1. Name of the bank : Punjab National Bank. 2. Address : Sector-27, Noida 3. Beneficiary Name : HSCC (India) Ltd 4. Beneficiary A/c No. : 2726001800000011 5. Branch Code : 2726 6. Bank IFSC : PUNB0272600
15	Volume - II	Pg 32 - Interest & Recovery	Pg - 32	The mobilization advance and plant and machinery advance in (ii) & (iii) above bear simple interest at the rate of 10 percent per annum	It is requested to provide an interest free mobilisation advance and P&M advance.	Shall be as per Tender conditions.

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16	Volume - II	Pg 16 - Clause 2A - INCENTIVE FOR EARLY COMPLETION	Pg - 16	In case, the contractor completes the work ahead of stipulated date of completion or justified extended date of completion as determined under clause 5.3, 12 & 15, a bonus @ 1% of the tendered value per month computed on per day basis, shall be payable to the contractor, subject to a maximum limit of 5% of the tendered value	Clause of LD and incentive be suitable modified to ensure quitability. LD be reduce to 5% or incentive be increased to 10% and oblige	Shall be as per Tender conditions.
17	Volume - II	2 (ix)	Pg - 108	Percentage on cost of materials and labour to cover all Overheads and profits - 15%	We presume that while working ut the rates for extra items, taxes and labour cess will be added to the rates arrived after adding 15% towards OH & profit. Kindly confirm	Rates are firm all inclusive.
18	Volume - III	Clause 32.2 Contractor's Working Area	Pg - 33	Suitable working area will be provided by the Engineer to the Contractor	We presume that the working area of atleast 4 acres will be provided free of cost to accomodate batching plant, fabrication yard, labour camp, etc. Kindly confirm	No space for labour camp will be provided. Spaces for batching plant, fabrication yard etc. may be provided depending upon availability. The bidder shall not have any claim whatsoever reason in case the space is not provided. Bidder should visit and examine the site before submitting the bid.
19	Volume - III	Clause 32.6	Pg - 34	Site office and Infrstructure	Kindly provide detials of the client facilities required i.e., office area, area of rooms, no. of rooms, no. of office utilities, etc.	Approximate area earmarked for the office shall be not less than 200 Sqm.
20	Volume - III	Clause 22.1.3	Pg - 21	Scope of Cover	It is requested to consider insurance validity period up to completion period.	Shall be as per Tender conditions.
21	Volume - I	Form H - Undertaking		(i) Average Annual Financial Turnover during the last three financial years, i.e., _____ should be at least 50% of the estimated price of the works	Form H requires the Bidder to give an undertaking regarding financial and technical credentials of specialized agencies to be engaged. However, Volume 5 is an unpriced BOQ, it is not possible to ascertain the estimated price of specialised works. Therefore, we request you to provide us the estimate so that we can engage the agencies satisfying the specified conditions.	Shall be as per Tender conditions.
22	Volume - V	BOQ			You are requested to kindly provide the BOQ in MS Excel format	Already provided on HSCC e-tender portal.
23	Volume - I	NIT		Last date to fill/upload the tender through e-Tendering is 22.11.2018 upto 15:00 hrs.	The tender involves extensive working for specialized items like Electrical, HVAC, Fire Fighting, Plumbing, PHE, MGPS, MOT,CSSD etc. Also due to festive season, the effective working days have been reduced. Furthermore, we are in the process of studying the tender and request you to kindly allow us to submit additional queries in another week's time. Considering the quantum and these complexities, we request you to kindly extend the date of submission by four weeks after the date of receipt of clarifications	The Last date to fill/upload the tender through e-Tendering is 29.11.2018 upto 15:00 hrs. & Opening at 15:30 hrs
24	Volume - IV		Pg - 5	List of Approved Makes: Civil Works	We request you to provide the details of approved vendor for Glass Reinforced Concrete (G.R.C.) Screens	As per tender condition.
25	Volume - V	BOQ Item No. 1 to 4		Excavation works item No. 1 to 4	Total quantity of excavatin is about 1 lakh cum which is to be disposed upto 50 m beyond building area. Kindly let us know if the plot for disposal would be arranged by employer or otherwise.	As per tender condition.
26	Volume - V	BOQ Item No. 12		Providing and laying cast in situ/ready mix cement in M25 of trap/granite/quartzite/gneiss metal for R.C.C. Beams and lintels as per detailed designs and drawings or as directed including stell centering for	Cast in situ lintels are proposed in the BOQ. Cast in situ lintels takes time and till such time masonry work is help up. In order to overcome this, it is requested that readymade steel lintels be incorporated in the BOQ. This would save and time and improve efficiency.	As per tender condition.
27	Volume - V	BOQ			As the costs of tiles, flooring stones and cladding stone vary over a wider range, it is requested that the basic rates be given and price variation be paid based on difference between actual purchase price & basic rates.. Kindly Confirm	As per tender condition.

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28	Volume - IV HVAC Works		AC-Pg-115	LIST OF APPROVED MAKES AND MANUFACTURES - HVAC Subcontractors: VOLTAS/BLUE STAR/SUVIDHA/UNIQUE ENGINEERS/ETA/STERLING & WILSON	We hereby presume that vendors, other than those mentioned in the clause, will be allowed subject to the condition that they comply to tender conditions and technical specifications. Kindly confirm	Shall be as per Tender conditions.
29	Specialized Services	Technical Specs	Pg - 697 Pg - 709	Technical Specification of items & Equipment of Mechanised Laundry Approved Manufacturer of Major Laundry Equipment - ELECTROLUX/GIRBAU/MILLNOR/BOSCH	Request for Amendment in the specification: Technical Specification of items & Equipment of Mechanised Laundry Approved Manufacturer of Major Laundry Equipment - ELECTROLUX/GIRBAU/MILLNOR/FAGOR Bosch is not in commercial Business. Kindly remove the name of BOSCH	Shall be as per Tender conditions.
30	Specialized Services	Technical Specs	Pg - 715 Pg - 725	Modular Operation Theatre Approved Makes: 2. OT LED Light - Stryker/Maquet/Trilux/Berchtold/Simeon/Danmedics/ Trumf/Martin/Evonos/Surgiris 3. Pendent - Ondal/Pneumatic Berlin/Pneumatech Medical/Trilux/Stark Storm/Amico/Becon Medaes/ Trumf/Martin/Drager/LM Medical/Maquet	Request for Amendment in the specification: Modular Operation Theatre Approved Makes: Medicraft 2. OT LED Light - Stryker/Maquet/Trilux/Berchtold/Simeon/Danmedics/ Trumf/Martin/Evonos/Surgiris/Adam/Convida 3. Pendent - Ondal/Pneumatic Berlin/Pneumatech Medical/Trilux/Stark Storm/Amico/Becon Medaes/ Trumf/Martin/Drager/LM Medical/Maquet/Adam	Shall be as per Tender conditions.
31	Specialized Services	Technical Specs	Pg - 726	Technical Specifications for items & equipment of MGPS	Kindly add in Approved Makes: Reanimed/Medicraft	Shall be as per Tender conditions.
32	Grid Substation - ELECTRICAL WORKS- VOLUME-V (BILL OF QUANTITIES)	BOQ-E6_R1	1.07	Supply, Installation, Testing & Commissioning of 10 MVA 3 phase, 33/ 11 kV outdoor, oil filled type Power Transformer, Dyn 11 vector group connection, having impedance as per IS, Transformer winding & Insulation : CRGO type core, 99.9% pure copper copper winding and neutral brought out for earthing, paper insulated Insulation & cooling : Class A insulation, Oil natural, Air Natural/ Oil Natural, Air Force (ONAN/ ONAF) type cooling. Suitable for continuously rated for full load, temperature rise not exceeding 45 deg C by thermometer in oil or 55 deg C by resistance. ON load tap changer on HT side with 2.5% step each, range (-) 15% and (+) 5% along with RTCC Panel. Primary side cable termination box shall be suitable for 33 KV, 2 x 3C X 300 Sqmm XLPE cable and 11 kV side terminal box shall be suitable for termination of 11 kV, 3 x 3C x 300 sq.mm XLPE AL. cable. Transformer should be as per IS standards or	Request to confirm whether NGR require for 33/11 KV Substation, Plesae clarify.	Yes, NGR will be provided.

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33	SOUND PROOF DG SETS OF 1010 KVA	BOQ-E20_R1	3.01	Supplying and fixing of suitable sizes Heavy class MS pipe for DG exhaust complete with bends, elbow, flanges etc including silencer and catalytic convertor exhaust pipe chimney 30 meter high or as per CPCB norms for exhaust of DG sets including foundation of chimney , fixing of LED Aviation light including its wiring , lighting arrestor including copper strips and earthing (2 strip per light aresstor and two earth pits with cooper plate earthing) etc. & supporting structure for each DG sestsas per pollution control board norms and as required.	Request to clarify the supporting structures for DG set chimney, whether it is self support structures or along with wall/ Electrical shaft., Plesae confirm	As per actual site requirement
34	Fan Hook & Fan Hook Box	BOQ-E54_R1	8.02 I & ii	Supplying and erecting Fan hook of 10 mm. M.S. round bar grouted in RCC slab with making the site as	Request to clarify, whether both item Fan Hook 10mm rod & Fan Box are required. plesae confirm.	Fan hook will be the part of fan box
35	Wiring for Sub Mains wiring	BOQ-E54_R1	8.03	Wiring for Submain/ circuit wiring with following size of PVC insulated FRLS copper conductor single core/multi strand cable in recessed steel conduit (including supply & laying of recessed conduit) as	The Size of MS conduit is not mentioned , plesae clarify/confirm.	As per CPWD/IS specifications
			ix	4X16 Sqmm with 2 nos 6 sq mm PVC insulated FRLS copper conductor for earthing.		
36	Modules	BOQ-E63_R1	D (1)	Supply,Installation Testing and Commissioning of Addressable Manual Call Point (Pull down / Break Glass Type). The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device..UL Listed & FM Approved	The Qty of MCP are missing , plesae clarify/confirm.	Amended BOQ with amendments of these items has been uploaded on HSCC e-tender portal http://www.tenderwizard.com/HSCC Bidders are requested to quote their rates in Amended BOQ (Vol.-V) only.
37	Telephone talkback	BOQ-E64_R1	F (1)	Supply,Installation Testing and Commissioning of Addressable Fire Fighter's Telephone Jack with suitable module for two way communication between Remote Fire Fighter & Fire Command Center	The Qty of Telephone Jack are missing , plesae clarify/confirm.	Amended BOQ with amendments of these items has been uploaded on HSCC e-tender portal http://www.tenderwizard.com/HSCC Bidders are requested to quote their rates in Amended BOQ (Vol.-V) only.
38				Audio Video System	Request to furnish the List of approved makes & Technical specifications for AV system.	AV System: Bosch/JVL/EV Projector : Sony/Barco/christie
39				Lighting control system	Request to furnish the Technical specifications for Lighting control system.	Major Specification has been considered in BOQ
40	Vol.-IV (Tech. Specs)	Elect. Works - Approved Makes - Nurse Call Bell System		Honeywell/Schreak/ Rauland/Omnitech/Daksh		Honeywell/Schreak/ Rauland/Omnitech/Daksh/ Carecom Japan
41	Vol._IV (Tech Specs) General	SPEC-Page-E-17-R0	2.02.01	The Transformer loss will be as per ECBC Norms Amended up to Date. Transformer shall also meet all other norms / requirement of ECBC. 2.02.02 CODES	The Transformer losses shall be comply as per latest ECBC norms 2007/2009, Please confirm/clarify.	As per IS:1180 Level-III. Power transformer will be as per ECBC/IS whichever is better.

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42	AHU's panels Thickness	HVAC Work - Estimate AC 1	1	As per technical specification "AHU panels thickness is 0.6mm inside and 0.6mm outside.	Whereas BOQ calls "AHU made of 25 mm thick panels consisting of G.I casing of thickness 0.8 outside and 0.8 inside layer. Kindly confirm the same.	Shall be as per BOQ.
43	Air washer tank	HVAC Work - Estimate AC 7	9.1	As per technical specification tank should be of 3 mm Mild Steel	As Specified in BOQ tank should be made of SS. Please Clarify	Shall be as per BOQ.
44	AHU/FCU's	HVAC Work - BOQ Estimate AC 1	1	Repairing, Installation, Testing and Commissioning and making functional on as is where is basis of factory built, floor mounted horizontal type, chilled water Double skin type AHU	Request you to mentioned the scope of work repairing the items.	Not releated.
45	UVGI SYSTEM	HVAC Work - Estimate AC 10		Supply, Installation , testing , commissioning and handing over of the imported Ultra Violet Germicidal Irradiatons (UVGI) System	Request you to provide the CFM and duct size for selection of UVGI system.	Not releated.
46	MS pipe	HVAC Work -		Thickness of pipe from 200mm dia & above are not mentioned in NIT.	Provide the thickness of pipe from 200mm dia & above.	Shall be per BOQ.
47	Hot water Piping Insulation	HVAC Work - Estimate AC 20	36.1	Insulation mentioned in Specifications is PUF	AS per BOQ insulation is Rock wool. Kindly clarify.	Not releated.
48	Hot water Piping Insulation	HVAC Work - Estimate AC 21	36.2	Insulation mentioned in Specifications is EPS	AS per BOQ insulation is Rock wool. Kindly clarify.	Not releated.
49	Duct Acoustic density	HVAC Work - Estimate AC 26		Density mentioned in specification is 32kg/cu.m	As per BOQ, density is 48kg/sqcm. Please clarify	Shall be as per BOQ.
50		HVAC Work -	BOQ	NPLV < 0.37 and IPLV > 9.25	Please note IPLV value of 9.25 (0.38 kw/TR) is more than NPLV value of 0.37. Since IPLV is calculated at AHRI conditions which are less stringent hence, IPLV value cannot be more than NPLV . Please confirm IPLV value to be considered for design.	Shall be per tender.
51		HVAC Work -	Tender specs	Sound level at part load 25%, 50 % , 75 % should not exceed sound level at desing 100 % load	Max sound level at full load is not mentioned. Please confirm.	Shall be per tender.
52		HVAC Work -	BOQ	Pressure drop in evaporator shall be 5m	Please note that these chillers are Large tonnage chillers and pressure drop of 5 M specially on evaportaor is not possible. Request you to kindly accept 8 M pressure drop in both evap & condenser.	8 Mtr. acceptable.
53		HVAC Work -	BOQ	Min COP- 6.5 and Ikw/TR- 0.65	Since this is high efficiency chiller with 6.5 COP, Ikw/TR value also has to be efficient. Ikw/TR of 0.65 are achieved with standard 6.3 COP chiller. With 6.5 COP chiller, Ikw/TR of less 0.62 is achievable. Please confirm whether we can provide 6.3 COP chiller or we have to provide 6.5 COP chiller with 0.62 Ikw/TR.	COP Shall be as per Tender. Less IKW/TR Chiller with 6.5 COP is acceptable.
54		HVAC Work -	BOQ	Chiller unloading criteria and surge protection is not mentioned in BOQ	Please confirm.	Shall be as per Tender conditions.
55	Vol-IV, Technical Specs	Civil Works		Expansion Joint Approved Makes		Kohinoor Enterprises or equivalent as per the approval of Engineer In Charge

Bidders are requested to quote their rates in Amended BOQ (Vol.-V) only.

All others 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> and <http://www.hsccltd.co.in> as corrigendum/amendments etc., if any, will be notified on these websites only and separate advertisement will not be made for this

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**Chief General Manager (PG-I), HSCC (India) Ltd.
For & on behalf of Medical Education & Drugs Department
Govt of Maharashtra**