

HSCC (INDIA) LIMITED
(A Subsidiary of NBCC (India) Limited)
(A GOVERNMENT OF INDIA ENTERPRISE)
E-6A, Sector-01, Noida-201301

Dated: 11/02/2019

AMENDMENT No. - II

Project Name : "Construction of Medical College , Hospital, Hostels, Residences and other allied building works at Chandrapur, Maharashtra on Comprehensive Design, Engineering, Procurement and Construction (EPC) basis including defect liability period for five years"

Tender / NIT No.- HSCC/ MEDD/Chandrapur/2019/ dated : 23/01/2019

Pre -bid meeting held on 06.02.2019 at HSCC, Head Office, Noida :

Reply to Pre Bid Queries raised by bidders

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
1	Vol-I (NIT & PQ) "Minimum Eligibility Criteria"	2.0. (A)(ii) "Additional qualifying criteria"	4	<u>Additional qualifying criteria:-</u> The bidder should have successfully completed one work as mentioned below during the last 7 years ending previous day of last date of submission of tenders: "Hospital Project of minimum capacity of 500 beds on EPC mode."		Shall be read as under: <u>Additional qualifying criteria:-</u> The bidder should have successfully completed one work as mentioned below during the last 7 years ending previous day of last date of submission of tenders: "Hospital Project of minimum capacity of 500 beds"
2	Vol-I (NIT & PQ) "Minimum Eligibility Criteria"	2.0. (A)(iii)	4	The bidder should have successfully completed any one single work done on design basis.		Stands Deleted
3	Soil Investigation Report	Vol 03 SCC 11.1 Scope of Works	Pg 5 of 20	The soil investigation report will be provided by HSCC to Contractor for reference purpose. However, they are required to get it done independently to satisfy themselves as per design requirements	Kindly provide the Soil Investigation report.	Refer Clause 11.1 (d) of SCC. Copy of soil investigation report is enclosed for reference only.
4	External Development				Kindly provide battery limit of External Development scope of Phase I.	All Exterant Development works are in scope of EPC contractor. Refer Tender drawings & Tender conditions.
5	Future Provision			The master plan investigates and responds to any requirements to ensure that proposed future development is appropriate, relationships and/or linkages are developed with in & out of the campus	Kindly clarify the Scope of development in the Future Provision areas.	Refer Arch. DBR
6	Temporary Structures				We understand that the temporary space for site office, infrastructure setup, batching Plant etc will be available within the site premises. Kindly confirm	labour camp is not allowed at site. Space for other construction activity infrastructure will be provided at site as per availability of space. However, contractor have no claim in case of no availability of the space.

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7	Tree Cutting/Protection			It is imperative that an attempt be made to save most existing trees on the site. The heritage trees should be given special protection	Kindly provide the number of tree to be protected/ to be cut.	Refer Arch. DBR
8	Tender Drawings				We assume that the given plans are final in terms of footprint , floor Plate areas and Built Up Area. Kindly confirm.	Refer Area Statement / Tender drawings available on HSCC e-tender portal
9	Service Block (1)			Phase I Facilities - Service Block (1) - 256 Sqm	Two Nos of Service Blocks are shown in the Master Plan Phase I of DBR. But in area statement Service Block I is only considered. Both the service blocks are in the Scope of EPC Contractor. Kindly Confirm.	One no. of Service Block to be considered
10	Dry Cladding on blocks				Kindly mark areas on elevations where we have to consider GFRG cladding, Sandstone Cladding and Granite Cladding	Refer Arch. Drawings and DBR
11	Thermal Parameters for glass				Kindly specify the thermal parameters for SGU and DGU to be considered for all blocks	Thermal parameters shall be as per GRIHA-2015 (minimum 3 star rating).
12	Windows for residents buildings	Exterior finishes table		Aluminium extruded frame and shutters with Single glass windows +jali shutter	Jali shutter is assumed to be GI insect mesh. Please confirm.	Jali shutter is SS.
13	Façade Cleaning				We are considering one Cherry Picker for cleaning of façade. Please confirm.	May be considered
14	Site Barrication	2, SCC		During construction as mentioned above Phasing of the building shall be done with 18 M High barricading to separate the building under construction with Completed building. The barricading of 18-meter height along from road side and outer boundary the periphery of the project site shall be constructed by contractor	Please clarify it is 1.8m high and not 18m high	As per tender conditions only.
ARCHITECTURAL						
15	Infrastructure Details				Please share infrastructure design details like entrance gate, compound wall, road sections etc.	In the Scope of EPC Contractor.
16	Review				Please clarify if we have to review the design w.r.t. to NBC, local approval authority bye laws, Fire approval or we should follow as per pdf documents for estimation	Shall be as per DBR & Bidder are advised to follows all local bye laws, rules & regulation including NBC norms which are applicable at site.
17	Newly Constructed Bridge				Please share the details of newly constructed bridge to understand the details of site entry which is over the nalla	Bidders are advised to visit & examine site and its surroundings and obtain information as necessary for preparing the bid at their own cost.
18	Flood level data of Nalla				Please share the flood level data for nearest nalla for clear understanding of site final level w.r.t. current site level	Bidders are advised to visit & examine site and its surroundings and obtain information as necessary for preparing the bid at their own cost.
19	STP Location				Please share details of STP, Substation with transformer & it's location on the master plan	Refer Master Plan Drawings which are enclosed.

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20	Landscape Design Intent				Landscape Design Intent Package for External Development is not provided. Please provide.	Tender drawings already available on HSCC e-tender portal.
21	Landscape				Kindly provide the AutoCAD Drawing of Site master Layout and Landscape layout	Tender drawings already available on HSCC e-tender portal.
22	Furniture				All type of Loose and Fixed furniture's for all buildings are not in the scope of EPC Contractor. Kindly confirm	In the Scope of EPC Contractor.
23	Hostel Building Shelves				Should we consider the Shutter for Shelves in Hostel Buildings. Kindly confirm	In the Scope of EPC Contractor.
ELECTRICAL						
24	DG Set for Backup Supply	DBR_TechSpecs_MakeList_Finishin gSchedule	202/762	5.5 DG Set for Backup Supply	As per page no-202 , we understood that DG back up for the following area 1. Hospital, Medical , Mortuary, Laundry ,Dining, ,Director's Residence, ETP, STP, WTP, Fire & water pumps, HVAC Loads (50% Chillers & All AHUs), HSD pumping System etc.-100% Load on DG Backup Supply,2. In hostel - Common area, All light & fan load no power load 3. In residential all Light+Power load including flats and common area. Kindly confirm	As per DBR.
25	DETAIL LOAD REQUIREMENT	DBR_TechSpecs_MakeList_Finishin gSchedule	224/762	Load sheet	In load sheet power load is not considered for DG back up of the all buildings ,kindly clarify for DG Back up requirement which description we have to follow.	As per DBR item No. 5.5
26	SOURCE OF SUPPLY	DBR_TechSpecs_MakeList_Finishin gSchedule	200/762	ELECTRICITY BOARD shall provide electric supply on 33kV for meeting electrical load requirements by 2No.33KV Independent Feeder Lines.	we understand that 21/C HT Supply is coming from SEB upto the HT RMU is in client scope, after HT RMU Panel onwards is in EPC contractor scope, kindly confirm.	33 KV HT supply upto RMU/Double pole structure and onward will be in the scope of contractor.
27	RISING MAINS	DBR_TechSpecs_MakeList_Finishin gSchedule	203/762	Except residential the separate distribution system shall be provided for Lighting load, Power & AC Load & UPS load. Each distribution system shall be with Electrical panels ,rising mains ,Floor panels ,Double door MCB Type DB's.	We are considering Rising main for Hospital, Medical college, only not for residential & hostel block, Kindly confirm.	hospital Rising main will one working and One standby as per DBR
28	Boom barrier PIR sensor and DALI control system(General)	DBR_TechSpecs_MakeList_Finishin gSchedule	200/762		Please specify the area where we consider the DALI dimming light fixture.	Icu, Pre OT, Post Ot, HDU, and other similar areas and the area where direct sunlight is approaches.
29	Lift Quantity(General)	DBR_TechSpecs_MakeList_Finishin gSchedule	218/762	Summary of Lift	Lift Quantity in hospital & Med. Lab is not match with summary of lift, Please share exact number of lift quantity.	Lifts will be provided as per the latest architectural plan being executed at site.
ELV						
30	Fire alarm system	DBR_TechSpecs_MakeList_Finishin gSchedule	210	There shall be Independent fire panel for Hospitals, Medical College, Medical lab, Admin, Library, Hostels, multi-story residential buildings etc. and all fire control panels shall be interconnected with each other	FAS system shall be provided as per NBC 2016 Table-7 for Hospital building, Medical college building, Library & administrator building, Residence building (Type IV & V - height above 15m) ,Internal Hostel (height above 30m),Substation. Kindly confirm	NBC 2016 amended upto date

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31	Fire alarm system	DBR_TechSpecs_MakeList_Finishin gSchedule	210	There shall be Independent fire panel for Hospitals, Medical College, Medical lab, Admin, Library, Hostels, multi-story residential buildings etc. and all fire control panels shall be interconnected with each other	FAS System shall not be provided as per NBC 2016 Table-7 for Residence building (Type II,III) , Director bungalow, UG Male Hostel (Height below 30m) , UG female Hostel (Height below 30m) , Resident Hostel (Height below 30m) , Diining -I & II. Kindly Confirm	NBC 2016 amended upto date
32	Fire alarm system				FAS System is not considered in the toilet area. Kindly confirm	NBC 2016 amended upto date
33	Fire alarm system	DBR_TechSpecs_MakeList_Finishin gSchedule	210	Detectors should be having individual addressing. Detectors should be installed as per coverage defined in u c) NFPA72. It should include all rooms, halls, storage areas, basements, attics lifts, and spaces above suspended ceilings including plenum areas utilized as part of the HVAC system.	As per NBC 2016 Table-7, Detectors shall not be considered in Parking area. Kindly confirm	if parking area is in the basement heat detectors will be installed. If the parking area in open space then it will be NBC 2016 amended upto date.
34	Fire alarm system	DBR_TechSpecs_MakeList_Finishin gSchedule	295	Hooter shall be electronic solid-state speaker type having tone for fire, which shall be wailing. Hooter should be loop powered having an output of approximately 6 watt....	Non UL -Listed Fire alarm shall be considered for this project, Kindly confirm	UL listed As per DBR
35	Fire alarm system		211	Two Way communication Fire Fighters Telephone Jack & Handset with necessary accessories are to be provided in all the buildings as required	Two Way communication Fire Fighters Telephone Jack & Handset with necessary accessories shall be provided in the Hospital & Medical college building only, kindly confirm	NBC 2016 amended upto date
36	Fire alarm system		210	Cabling shall be with Fire Survival Armoured copper cable or PVC Shieathed cable in MS conduits.	Conduit will not be considered where false ceiling is coming. Kindly confirm	in this case armoured cable to be used.
37	Fire alarm system		210	Cabling shall be with Fire Survival Armoured copper cable or PVC Shieathed cable in MS conduits.	Can we consider PVC Conduit for Hostel ,Residence block etc. i.e. other than hospital area. Kindly confirm	as per DBR
38	Public address System				PA system shall be integrated to Fire alarm system through control module, i.e. Public address system is not part of Fire alarm system. Kindly confirm	PA system will be inegrated to FDA through control Module
39	Public address System				Standalone Public address system shall be provided for all building as per NBC 2016. Kindly confirm	as per NBC 2016 amended upto date
40	Public address System		211	IP Based Digital PA System shall be provided in Hospital Block, Medical, Medical Lab, Admin Library & other buildings as required.	As Per NBC 2016 TABLE 7, PA System shall be provided in Hospital Building, Medical college building, UG Female hostel (Height more than 24m) , Intern Hostel (Height more than 24m) , Resident Hostel (Height more than 24m) . Kindly Confirm.	as per NBC 2016 amended upto date
41	Public address System		211	IP Based Digital PA System shall be provided in Hospital Block, Medical, Medical Lab, Admin Library & other buildings as required.	As Per NBC 2016 TABLE 7, PA System Shall not be provided in Library & Administration Building, Residence building (Type-II,III,IV & V), Director bungalow, UG Male & Female hostels, Dinning blocks. Kindly confirm	as per NBC 2016 amended upto date but to be provided in library and admin building.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
42	Public address System		211	IP Based Digital PA System shall be provided in Hospital Block, Medical, Medical Lab, Admin Library & other buildings as required.	can we use Analogue PA system for UG Female hostel, outdoor area , Intern Hostel, Resident Hostel. Kindly Confirm.	as per DBR
43	Public address System		211	Wiring shall be done with twin twisted tinned copper wire in the conduit	Conduit will not be considered where false ceiling is coming. Kindly confirm	in this case armoured cable to be used.
44	Public address System		211	The system shall be integratable with Fire alarm panel and with the BMS also	PA system shall not be integratable with BMS. Kindly confirm	PA system will not be inegrated
45	Public address System		211	Control console shall be located in the fire control room with pre amplifiers, amplifiers, CD, DVD/Pen-drive, FM Player & gooseneck microphone	Music system shall be considered in Hospital area only. Kindly confirm	OK
46	Network for IPABX, BMS, Access Control System, CCTV, Nurse Call System etc		209	LAN Infrastructure at different Floors of various building shall be used commonly for IPABX, BMS, Access Control System, CCTV, Nurse Call System etc. along with LAN	Common Network shall be use for IPABX, BMS, Access Control System, CCTV, Nurse Call System etc. kindly confirm	Ok
47	Access Control system				Access control system is considered only for Hospital & Medical college building only. Kindly confirm	Hospital , medical college, Library, admin, medical lab and other area wherever required.
48	Access Control system		346	IV. Biometric Finger Print Reader : Biometric Reader with Enrollment Kit & Enrollment Software (To be used for Entry purpose), Finger Print with Mifare , Support 2K fingerprint (Included application software support max. 4 readers),	2 Nos of Biometric finger print reader considered in hospital building only. Kindly confirm	Hospital , medical college, Library, admin, medical lab and other area wherever required.
49	Access Control system				Kindly provide the total nos of cards require for this project	As per actual required at site.
50	Access Control system				Kindly provide the Room for which access control system need to be consider	OT, ICU, Pre OT, PostOT, HDU, doctor lifts and wherever required.
51	Access Control system				reader is provided at entry & push button is provided at exit of restricted area. Kindly confirm	ok
52	Boom barrier			Boom barriers should be integrated with Main Access Control System and should have provision of control through Long Range readers	only conduit shall be considered for provision. Kindly confirm	ok
53	Boom barrier			Boom barriers should have traffic light signals - red, green and yellow.	Can we provide separate traffic light signals (not inbuilt part of boom barrier), kindly confirm	ok
54	CAT 6 & 6A Cable				CAT 6A Cable only considered for data & voice systems & for other ELV Services CAT 6 Cable shall be considered. Kindly confirm	as per best engineering practice.
55	Conduit for all ELV Services				All cable for ELV Services shall be run through PVC Conduit except FAS Cable for hospital building. Kindly confirm	No. MS conduit as per DBR
56	Conduit for all ELV Services				Conduit will not be considered where false ceiling is coming. Kindly confirm	in this case armoured cable to be used.

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57	TV (MATV / Dish antenna TV)	Conduiting and wiring for cable TV	228		only conduit & wiring shall be considered for TV System (no headend equipment in the scope). Kindly confirm	No, as per DBR
58	DATA system	Conduiting for computer networking	228		only conduiting for computer network is considered in the scope. Kindly confirm	It is combination of electrical/IT DBR
59	Education Management System	EMS (Education Management System) for Medical College	584		EMS shall not be considered in our scope. Kindly confirm	Shall be as per tender condition, Refer DBR of IT works
60	Library Management System	LMS (Library Management System) for Medical College	584		LMS shall not be consider in our scope. Kindly confirm	Shall be as per tender condition, Refer DBR of IT works
61	HMIS, PACS	HMIS & PACS	691		HMIS & PACS shall not be in our scope. Kindly confirm	Shall be as per tender condition, Refer DBR of IT works
62	Queue Management system		584	Queue Management System: - Supply, Customization, Installation, Integration, Testing, Implementation, Training & Commissioning as per the requirement and scope of work mentioned with 5 years onsite OEM warranty	Queue Management system shall not be in our scope. Kindly confirm	Shall be as per tender condition, Refer DBR of IT works
63	external area Cabling				All external cable shall be run through HDPE Pipe without conduit. Kindly confirm	As per DBR . If One or two cable is there it can run through HDPE pie with main hole at suitable distances.
64	CCTV System		211	The indoor Dome Cameras and Bullet Cameras are proposed to be installed at all Entry & Exit Points, main corridor, Lift lobbies & waiting areas of Hospital/Medical and Medical Lab College, Library and Admin Block. In all other buildings cameras shall be provided at Ground floor Entry & Exit Points, main corridor, Lift lobbies & common areas etc	CCTV system shall not be considered for Director bungalow & Dinning area, Substation area, plant area (STP/ETP/UGT & HVAC Plant area). Kindly confirm	CCTV will also be considered at all locations including Director bungalow & Dinning area(entry exit) and all locations as per DBR. CCTV will be provided at all the locations
65	Drawings				Kindly provide ELV Drawings.	Part of tender drawing.
66	Camera details				As per RFP, Panoramic 360 deg. camera need to be considered in waiting area, reception area , conference room, crowded area. But in drawing it's not shown. Only in meeting area normal dome cameras are shown. So shall we follow drawing or RFP?	as per DBR
67	Speaker				Speakers are not shown in drawing for critical room like AHU Room, Electrical Room, UPS Room. So shall we consider or not?	as per DBR

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68	Staircase area				In staircase area Speakers & Firefighting jack not shown. So shall we consider or not ?	as per DBR
69	Heat Detectors				Heat detectors are shown in the toilet area. There no chance of heat in toilet area so can we avoid detectors in toilet area?	as per DBR
70	Speakers				In drawing, speakers area shown in waiting/reception area but for other waiting/ reception area (in same drawing or other drawing) speaker are not shown. So shall we considered or follow the drawing?	as per DBR
71	Camera details				As per RFP (Page no. 211), cameras need to be consider in main corridor but in drawing it is not shown. So shall we consider or not?	as per DBR
72	CCTV System				As per RFP(Page no.211), CCTV camera need to be provide in ICU Room But it is not shown so shall we consider or not?	as per DBR
73	Camera in Lift car				As per RFP, Camera need to provide in lift car but in drawing it is not shown so shall we consider or not? Also note that we will consider cameras in lift only for hospital building.	as per DBR
72	Revised Makes :					
i	Main LT Panel/Main HVAC Panel/ APFC/AHF					Seimens/L&T/ABB/Schneider/Legrand
ii	MV panels/Fire panels/AHU Panels					Sterling & wilson/control & switchgear/ SPC Electrotech Ltd./Risha control engineers Pvt. Ltd.
iii	Conuit accesories MS and PVC					RMCON/Stealkraft/AKG
iv	Copper conductor PVC insulated wires coaxial, telephone wires and cables					Havells/Batra Henlay/AKG/Finolex
PLUMBING						
73	Residential of Phase II				Kindly confirm Whether Internal plans of residential buildings(Type II,III,IV & V) for phase I & II are same.	As per Tender Drawings block wise.
74	Occupancy				Kindly confirm Residential Building type I Occupancy for water calculation.	Shall be as per tender condition.
75	Location				Kindly provide the location of Auditorium, Guest House & Type I buildings of Phase II for our reference.	Shall be as per site plan.
76	Shopping Complex	DBR- WTP_Underground/overhead water storage_section 2.7.1	115 of 762	ZONE -2 (Residential Block - Hostels, Residential Blocks, Guest House, Director's Residence, Dining, Night Shelter, Shopping etc.)	Shopping complex is not shown in drawing but mentioned in DBR, Kindly Confirm.	As per Tender Drawings block wise.

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77	IMA Office				Kindly provide the location of IMA Office on site plan.	As per Site plan.
78	Municipal Services Layout				Kindly share the drawing indicating the location of the municipal available services like water supply, storm network and sewerage network. In absence of that we are considering the same will fall at a location within 50 m range from the UGT / STP location, Please confirm.	As per Site plan.
79	Scope of Work-UGT, Pumps, WTP & STP				All underground tanks, pumps, WTP & STP shall be catering to requirements of all buildings of Phase I & Phase II, Kindly confirm.	Shall be per tender condition.
80	Location of Pump Room				Please provide the location of Pump room & STP for our reference.	As per Master plan.
81	Source of Water Supply	DBR-WTP_Source of water supply _section 2.2	113 of 762	The main sources of water are from the state water supply network.	We are considering Municipal water supply as well as borewells as source of water supply, Kindly confirm.	Yes
82	Borewell	DBR- Plumbing_A.Water supply & sanitary installation _section 1.2	104 of 762	The external water supply shall be met from Bore wells.	Kindly Confirm Whether there are existing borewells or borewell are to be considered with required pumps.	No existing borewell, to be done with required capacity pump.
83	Yield Report				Kindly share the yield report of bore well.	Not Applicable.
84		Plumbing- DBR_B.DBR for WTP_section 2.2	114 of 762	Flushing water requirements of all buildings shall be fulfilled from STP treated water.	Since it has been mentioned In DBR, sec.2.7 Water storage-flushing water supply for Hospital block & Medical college shall be fulfilled through raw water tanks, We are considering medical block flushing water supply from raw water tank and for residential block we are proposing flushing water supply from STP Treated Water tank.	Flushing tank will be fulfilled by the treated water of STP/ Raw water.
85		DBR- Plumbing_Irrigation system for lawns and gardens_section 6.0	108 of 762	Gardens and lawns shall be irrigated in combination of Garden Hydrant System and Sprinkler Irrigation System.	We are considering garden hydrant & sprinkler irrigation system, Kindly confirm.	Yes
86	Sanitary fixtures				Please confirm, the type of EWC to be considered (wall mounted / floor mounted).	As per actual requirement / plan.
87	Hot water supply-Wash Basin				Whether hot water is to be supplied for lavatory basins in hospital and medical college block, Kindly confirm.	Yes.
88					Kindly confirm if sensor type Lavatory basin taps are to be provided for cold water supply only or for hot water mixture taps also.	As per site/ design requirement.

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89					We are not considering booster pump at terrace of residential & hostel buildings for domestic or flushing water supply for top floors. Residual pressure at the top most fixture shall be as per static head, Please confirm.	As per site/ design requirement.
90	MOC-Rain water downtakes pipe				We are considering uPVC- 6 kg/sqm conforming to IS:4985 pipes for rainwater downtakes, Kindly confirm.	PVC SWR Pipes shall be used.
91	Solar hot water system	DBR-Hot water system including solar-HWG_Solar Hot water system	120 of 762	Solar hot water system deleted	We are not considering solar hot water system as per tender documents, Kindly confirm.	To meet the GRIHA -2015 solar water system is required.
92		DBR- Plumbing_G.Solid Waste generation & management_section 1.2.1)	129 of 762	For Bio Medical waste, Integrated Sterilized Shredder of optimum capacity (2 X 150 Litres tentatively) shall be provided to minimize the volume of and sterilizing before disposing it off.	Bio-Medical waste storage / collection room will be provided. However the same will be disposed off from the site through vendor by client only. We are not considering any onsite treatment related to the same. Kindly confirm.	Shall be per tender condition.
93	Irrigation system	DBR- General_Water Management	15 of 762	Water management-drip irrigation methods	In DBR-water management section, drip irrigation system is mentioned but in plumbing-DBR, garden hydrant and sprinkler irrigation system is mentioned. We are considering garden hydrant and sprinkler irrigation system.	Water management-drip irrigation methods, garden hydrant and sprinkler irrigation system.
94	Scope of Work-Water Body				Presently, we are not considering any water body (if any) in our scope of work, Please confirm. If water body is to be considered then provide the no. of water bodies, its location & type of water body.	Waterbody fountain type, nos. as per site requirement.
95	Scope of Work-LPG System				Presently, we are not considering any LPG system (bank/manifold & distribution piping) for any building in our scope of work. Please confirm.	Not Applicable.
96	RO Plant Capacity				Kindly confirm RO plant capacity, as the capacity is provided for 720 bedded Hospital and current project offers Approx. 548 beds.	As per Design requirement.
97	Hot Water System	DBR- WTP_Concept planning	112 of 762	Hot Water System for Hostels, staff residences by Solar Hot Water System with Electric Back Up.	Since in DBR-Hot water system page no.120 of 762,It has been mentioned that, Heat pump shall be considered for hostel blocks & for staff residences, only provision shall be made for geysers. Kindly confirm if solar Hot water or heat pump is to be provided.	Shall be as per tender condition.
98	Heat Pump	DBR- WTP_Concept planning	112 of 762	Hot Water System for Pantry at academic block, Director Residence, Night Shelter, Guest House, club etc. by Energy Efficient BEE min. 3 star rated Geysers.	Since in DBR-Hot water system page no.120 of 762, It has been mentioned that, Heat pump shall be considered for Academic blocks. Kindly confirm if heat pump or localise geysers shall be provided.	Heat pump shall be considered for Academic blocks & as per tender condition.

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99	Fixtures	Vol06_TenderDrawing_Part7_12_RES HOSTEL_1F TO 7F			For Residents Hostel-In toilets of single occupancy room, shower is not shown, Kindly confirm which type of fixture is to be provided.	Toilets shall be equip with all basic requirements, fitting & fixtures like shower, taps, EWS, wash basins etc.
100	Fixtures	Vol06_TenderDrawing_Part8_5_BOYS HOSTEL_4F & 5F			For Boys Hostel-In toilets of single occupancy room, shower is not shown, Kindly confirm which type of fixture is to be provided.	Toilets shall be equip with all basic requirements, fitting & fixtures like shower, taps, EWS, wash basins etc.
101	Fixtures	Vol06_TenderDrawing_Part8_8_GIRLS HOSTEL_6F TO 7F			For Girls Hostel-In toilets of single occupancy room, shower is not shown, Kindly confirm which type of fixture is to be provided.	Toilets shall be equip with all basic requirements, fitting & fixtures like shower, taps, EWS, wash basins etc.
102	Storm Water Drainage				Kindly confirm whether the Storm water drainage to be designed for total master plan comprising of future building also.	Shall be designed as per Master Plan.
FIRE FIGHTING						
103	Fire NOC				Kindly share the provisional fire NOC, if available.	Shall be as per tender condition.
104	MOC				We are considering MS C class pipe for the fire fighting system. Please confirm.	MS C class/ DI pipes as per specifications & approved make list.
105	Hydrant Riser	DBR Fire fighting system_section 2.9	124 of 762	Air cushion tanks with air release valves needs to be provided for all risers of sprinklers/hydrant pipes.	We are considering air cushion tank at terrace level for hydrant risers only. Kindly confirm.	Shall be designed as per requirement.
106	External Fire Hydrant	DBR Fire fighting system_section 3.1	125 of 762	External yard hydrants shall be of Stand Post' type conforming to IS: 908 and comprising of stand post for single or double (conforming to NBC 2016) outlet with oblique pattern hydrant valve.	We are considering single outlet landing valve for external fire hydrant. Kindly confirm	Shall be as per tender condition.
HVAC						
107	Total cooling load	DBR_TechSpecs_MakeList_FinishingSchedule,12.0 Estimated Load	Specs - AC- Page 20	Cooling Load for Hospital, Library and Admin, medical college, medical Lab building after diversity will be 4000 TR (Water Cooled Central Plant)	we understand that the cooling load given in the DBR is inclusive of standby chiller capacity. Kindly clarify?	Yes. 3 Working + 1 Standby.
108	Critical area air conditioning	DBR_TechSpecs_MakeList_FinishingSchedule,3) Special Considerations for Critical areas:-	Specs- AC_11	All critical areas shall be designed on air recirculation and outside air intake system as per standards specified by latest ASHRAE 170, ASHRAE 62.1 and NABH etc.	We understand that except Two OTS which are on 1000% fresh air, all other critical areas like sterile area, ICU, protective environment room etc. shall be designed with air recirculation system. Kindly clarify?	YES 02 OTs on 100% and other areas as per latest ASHRAE 170, ASHRAE 62.1 and NABH etc.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
109	Once through system(100 % Fresh Air)	DBR_TechSpecs_MakeList_Finishin gSchedule,3) Special Considerations for Critical areas:-	Specs- AC_11	At least 02 OTs shall be designed as septic OTs on 100% fresh air with suitable energy recovery devices like heat pipe heat recovery, heat recovery wheel etc.	we understand only two OT shall be designed with 100% Fresh air. Kindly confirm?	YES.
110	winter heating system	DBR_TechSpecs_MakeList_Finishin gSchedule,12.0 Estimated Load	Specs - AC- Page 21	Electric Hot Water Generator -150 KW (For Winter Heating/ monsoon reheating)-3No. (2W+1S)	we understand that the given winter heating KW is for only critical areas of hospital for winter/Monsoon heating. If yes, kindly provide winter heating KW for all other areas like institutional areas etc. with configuration.	No. Winter heating to be provided in all the areas and monsoon re-heating system in all the critical areas.
111	Tertiary pumps	DBR_TechSpecs_MakeList_Finishin gSchedule,12.0 Estimated Load	Specs - AC- Page 21	Tertiary Pumps with variable speed pumping system for chilled water(@2.4GPM/TR) - For each Institutional Buildings i.e. Medical college, Medical lab, Library & Admin building	We understand that there is no plate heat exchangers in the tertiary chilled water circuit. Kindly clarify?	Suitable system with Tertiary pumps to be provided for individual buildings.
112	Refrigerant	DBR_TechSpecs_MakeList_Finishin gSchedule,12. Brief Equipment Specifications (High Side):	Specs - AC- Page 21	Factory assembled and tested (AHRI certified) centrifugal chillers using R134a/1233zd refrigerant.	Kindly note that Trane doesn't manufacture Centrifugal Chillers with R-134a refrigerant. However, Trane can offer R-514A chillers with a Global Warming Potential of less 2 to offer for your prestigious project. Kindly note that R-514A is also included in National Building Code 2016 released on 15th March, 2016 and also approved by CPWD via office memorandum number. DG/AMENDMENT SPECIFICATIONS (E&M)/01 DATED 10.10.2017. These refrigerants are also approved in multiple government projects like, World Trade Centre (10,800 TR), WTC Nauroji Nagar (NBCC), Delhi; ITPO, Pragati Maidan (9475 TR), Delhi; 2400 Seater Auditorium (1900 TR), Kolkata; AIIMS, Kalyani(6,000 TR), AIIMS, Guntur (6,000 TR), AIIMS, Nagpur (6,000 TR), AIIMS, Delhi(1,275 TR), etc. . Request you to kindly incorporate R-514A in your project and amend the clause to "Refrigerant of chiller shall be CFC free & low ODP,(preferably zero ODP) or as per OEM standards"..	As per Tender. Refrigerant R134a and R1233zd(E).
113	pan humidifier requirement				Please mention the areas to be provided with pan humidifier?	For critical areas of hospital.
114	Mortuary AC Scope				kindly specify the mortuary AC Scope?	HVAC to be provided as per standards.
115	server room AC scope				Kindly specify the server room AC requirements?	Required.
COMMERCIAL						
116	Escalation	Memorandum, NIT	10	No escalation shall be applicable on this contract for entire contract period as well as extended period for completion of the works if any	Since the completion period is 24 months, request you to allow for price escalation of items conforming to standard CPWD schedule of rates.	Shall be as per tender condition.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
117	Defect Liability Period	Memorandum, NIT & SCC	10, NIT & 18, SCC	Memo, NIT:- 12 months from the date of taking over the works by the HSCC or clients whichever is later. Cl 23, SCC :- Defect liability period for five (05) years.	Kindly clarify the period of Defects Liability Period for the Project.	SCC prevails, Defects Liability Period is Five (05) years.
118	CMC	7, SCC	5	3 years warranty/CMC (3 years warranty and (CMC) support for complete equipment systems with back to back similar warranty CMC support commitment OEM for major components of MGPS and MOT systems.	Request you to kindly exclude CMC from the main works contractor.	Shall be as per tender condition.
119	Site handing over	10, SCC	5	The efforts will be made by the HSCC pursuing with Client to handover the site to the Contractor free of encumbrances. However, in case of any delay in handing over of the site to the Contractor by the Client then HSCC shall only consider suitable extension of time for the execution of the work. It should be clearly understood that the contractor will not be entitled for any extra claim on such account and HSCC shall not consider any revision in contract price or any other compensation whatsoever. The contractor shall be responsible to obtain statutory approval for commencement of work from all statutory authority/Departments	Request you to provide cost compensation towards idling costs as per actuals along with EOT for delay in handing of site for reasons not attributable to the Contractor.	Shall be as per tender condition.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
120	Approvals required	11.2, SCC	6	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. Agencies concerned, such as, but not limited to, Police and Security Agencies, Chief Controller of Explosives, Fire Department, Civil Aviation Department, concerned in accordance to prevailing rules, Building Bye-Laws, tree cutting etc., as the case may be with related to/ required for Construction/Completion. All expenditure on this account will be borne by the contractor. However, statutory payment on this account will be reimbursed by the client at actual on submission of documentary evidence of payment made. The status of applications for pre-construction clearances submitted/applied to local authorities shall be provided to the contractor for obtaining clearances/approvals.	Request you to obtain all relevant statutory approvals required for the Project. Contractor shall be responsible for only obtaining construction related approvals.	Shall be as per tender condition.
121	Stage Payment Statement for Works	17A(v), SCC	16	Within 7 (seven) days of receipt of the Stage Payment Statement from the Contractor, the Engineer-in-charge shall broadly determine the amount due to the Contractor and recommend the release of 75% (seventy five) percent of the amount so determined as part payment against the Stage Payment Statement, pending issue of the Interim Payment Certificate (the "IPC") by the Engineer.-in-charge. In case of discrepancy or for want of correction in the bill submitted by contractor is returned back to the contractor, then time of 7 days will be considered from submission of bill after attending observations of the Engineer-in-charge. Within 7 (seven) days of the receipt of recommendation of the Engineer-in-charge, the Employer shall make payment to the contractor through electronic payment directly to the contractor's bank account.	Request you to release 75% of the amount as adhoc payment within 7 days of submission of interim payment statement. Balance payment to be released within 21 days from submission of the interim payment statement by the Contractor.	Shall be as per tender condition.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
122	Deviation/variation of Area with respect to quoted price	22, SCC	18	Any decrease in area with respect to prescribed in the tender shall be recovered proportionally. However additional cost on account of increase in area over and above prescribed area shall not be payable and deemed to be included in the quoted price.	To make it equitable, we request you to modify this clause to allow adjustment of contract price in either ways on a pro-rata basis based on increase or decrease in prescribed areas.	Plus or Minus 2% variation in area to be deemed included in the quoted price, any further increase/decrease in area beyond variation limit of 2% shall be considered on pro-rata basis for payment. Any structure without RCC roof or light structure shall be dealt on pro-rata basis or on actual basis.
123	Additional Performance Security (PBG)	23(1), SCC	18	The successful Bidder shall furnish to the Engineer an additional Security in the form of a Bank Guarantee from Nationalised/Scheduled bank for an amount of one (1) percent of the Contract sum for defect liability period of five years. The Performance security in terms of bank guarantee shall be submitted in five parts (each 0.20% of contact value) with 06 months from date of start of work. The validity of the Performance Security shall be upto 60 months beyond schedule completion of work or the extended period, thereof.	Request you to allow submission of the BG equal to 1% of the contract sum (in 5 parts - each 0.20% of contract value) upon taking over of works by the Client. Further, the BG may be allowed to be reduced proportionately along with the progress of the Defect Liability period.	Shall be as per tender condition.
124	Mobilization Advance	GCC & NIT		10.00% (Ten Percent) of Contract Value @ Simple Interest Rate of 10.50% p.a.. The advance shall be released in 4 tranches as mentioned in GCC	Request you provide an interest free mobilisation advance of 10% of contract sum in a single installment within 7 days of receipt of LOA	Shall be as per tender condition.
125	Time allowed for starting the work	NIT	9	The date of start of contract shall be reckoned from 10 days after the date of issue of letter of Award/handing over of the site.	Request you to modify the clause as follows:- " The date of start of contract shall be reckoned from 10 days after the date of issue of letter of Award/handing over of the entire unencumbered site, whichever is later." Please confirm.	Shall be as per tender condition.
126	SUSPENSION OF WORKS	14, GCC	49	a) The contractor shall, on receipt of the order in writing of the Engineer-incharge, suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-incharge may consider necessary for any of the following reasons: i) On account of any default on part of the contractor, or ii) For proper execution of the works or part thereof for reason other than the default of the contractor, or iii) For safety of the works or part thereof. (b) If the suspension is ordered for reasons (ii) and (iii) in sub-para (a) above.	Request you to provide cost compensation for costs incurred by Contractor during suspension as per actuals alongwith EOT for suspension of works due to reasons not attributable to the Contractor.	Shall be as per tender condition.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
127	FINANCIAL ASSISTANCE TO THE CONTRACTOR	23.4, GCC	55	Deleted	Request you to reinstate clause 23.4, GCC in its entirety.	Shall be as per tender condition.
128	LIEN IN RESPECT OF CLAIMS IN OTHER CONTRACTS	26.3, GCC	58	Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or by HSCC against any claim of the Engineer-in-Charge or HSCC in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineering- Charge or the	Request you to delete this clause in total.	Shall be as per tender condition.
129	Force Majeure	40, GCC	65	...Failure of the client / owner to hand over the entire site and / or release funds for the project, to HSCC, shall also constitute force majeure....	Request you to delete this portion from the Cl 40, GCC " Force Majeure".	Shall be as per tender condition.
130	NO COMPENSATION CLAUSE	41, GCC	66	The contractor shall have no claim whatsoever for compensation or idle charges against HSCC on any ground or for any reason, whatsoever.	Request you to delete this clause in total.	Shall be as per tender condition.
131	WATER AND ELECTRICITY	45, GCC	66	The contractor shall make his own arrangement for Water & Electrical Power for construction and other purposes at his own cost and pay requisite electricity and water charges. The contractor shall also make standby arrangement for water & electricity to ensure un-interrupted supply.	Request you to provide a single tap off point for electricity and water at site respectively. Further distribution within site to be done by Contractor.	Shall be as per tender condition.
132	WATER PROOF TREATMENT	52.2, GCC	68	The water-proofing of basement, roofs, water retaining areas shall be and remain fully effective for a period of not less than 10(Ten) years to be reckoned from the date of expiring of the Defect Liability period, prescribed in the contract.	Request you to accept guarantee for waterproofing for 10 years commencing from the completion of the job.	Agreed to accept guarantee for waterproofing for 10 years commencing from the completion of the job.
133	Payment schedule during DLP	Schedule of payment	7	S. No. Description of Items Break up of Total % 1 On completion of 1 Year - 0.00% 2 On completion of 2 Years - 0.25% 3 On completion of 3 Years - 0.25% 4 On completion of 4 Years - 0.50% 5 On completion of 5 Years - 1.00% Total - 2.00%	Supposedly if the DLP is for 5 years, we request you to release 2% of the contract sum set aside for DLP in equal installments of 0.4% of contract sum upon completion of each year of the DLP.	Shall be as per tender condition.
134	Compensation for Delay	GCC Cl. 8	43	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, Please confirm- Liquidated Damages will be applicable for the delay due to reasons solely attributable to the Contractor.	Shall be as per tender condition.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
135	Compensation for Delay	GCC Cl. 8	43	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 charge liquidated damages on total project completion only and not on individual milestone completion.	Shall be as per tender condition.
136	Arbitration Clause			Arbitration & Conciliation clause is not available in tender document	We request to add the arbitration clause i.e. "Arbitration shall be applicable in accordance with the Arbitration & Conciliation Act, 1996, of India, and/or any statutory modifications thereof. The reference to arbitration shall be to an arbitral tribunal consisting of three arbitrators. Each party shall appoint one arbitrator and the two appointed arbitrators shall appoint the third arbitrator. Place of arbitration shall be Mumbai."	Copy enclosed
137	Retention money			In payment schedule, Retention money mentioned as 2% whereas in Retention Clause it is mentioned as 2.5%.	Please clarify the Retention money to be considered for the project	Please refer GCC Clause 3.0
138	5 yr Operation & maintenance				please confirm that operation & maintenance period will be 5 years from date of Handover of Total project	Defect liability period shall be 05 Years in place of operation & Maintenance
139	5 yr Operation & maintenance				Kindly share the detailed scope of work for operation & Maintenance work	Defect liability period shall be 05 Years in place of operation & Maintenance. Details shall be as per scope of work
140	Retention money	3, GCC			We request to release the retention money Bank Guranatee within 7 days after the expiry of DLP	Shall be as per tender condition.
141	Additional Performance Security (PBG)	23, SCC		The successful Bidder shall furnish to the Engineer an additional Security in the form of a Bank Guarantee from Nationalised/Scheduled bank for an amount of one (1) percent of the Contract sum for defect liability period of five years. The Performance security in terms of bank guarantee shall be submitted in five parts (each 0.20% of contact value) with 06 months from date of start of work.	Please clarify "with 06 months from date of start of work." means " within 06 months from date of start of work."	within 06 months from date of start of work."

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
142	Stage Payment Statement for Works	17A(v), SCC	16	Within 7 (seven) days of receipt of the Stage Payment Statement from the Contractor, the Engineer-in-charge shall broadly determine the amount due to the Contractor and recommend the release of 75% (seventy five) percent of the amount so determined as part payment against the Stage Payment Statement, pending issue of the Interim Payment Certificate (the "IPC") by the Engineer.-in-charge. In case of discrepancy or for want of correction in the bill submitted by contractor is returned back to the contractor, then time of 7 days will be considered from submission of bill after attending observations of the Engineer-in-charge. Within 7 (seven) days of the receipt of recommendation of the Engineer-in-charge, the Employer shall make payment to the contractor through electronic payment directly to the contractor's bank account.	We request to provide the Interest payment @ SBI PLR + 5 % for delayed payment.	Shall be as per tender condition.
143	Defect Liability Period	Memorandum, NIT & SCC	10, NIT & 18, SCC	Memo, NIT:- 12 months from the date of taking over the works by the HSCC or clients whichever is later.	Kindly delete "whichever is later" from the clause.	may be read as : 60 months from the date of taking over the works by the HSCC or clients whichever is later..
144	Power of Attorney			Power of Attorney	Format of POA is not available in tender documents. We request to provide format of POA for submission	Format Attached
145	DG Set	DBR	201	DG Set Capacity for backup supply in ESS will be 4X1250 KVA along with PLC based synchronization panel connected to LT panel.	We understand that the DG capacity as given is the maximum capacity required by the Client / Employer and any changes over and above the same during the detailed designing and drawings process will be compensated to the Bidder. Please clarify.	As per DBR.
146	Chiller	DBR		Chiller capacity AHRI Certified with VFD starter 4 x 1000TR	We understand that the Chiller capacity as given is the maximum capacity required by the Client / Employer and any changes over and above the same during the detailed designing and drawings process will be compensated to the Bidder. Please clarify.	As per DBR.
147	TV (MATV / Dish antenna TV)	Conduiting and wiring for cable TV	228		Only conduit & wiring shall be considered for TV System (no headend equipment in the scope). Kindly confirm	As per DBR.
148	DATA system	Conduiting for computer networking	228		Only conduiting for computer network is considered in the scope. Kindly confirm	As per DBR.

Sr.No	Description	Ref Clause	Page no	As per tender conditions	Queries/ Request	HSCC Reply
149	EMS, LMS, HMIS, PACS, QMS	DBR	584		Scope of IT, Modular OT etc Does not spell out for HMIS/ QMS / PACs /Network Infra, EMS/LMS. DBR Page No 228 Says Conduiting for Computer networking & Nothing about HMIS/ Q management/ PACs/Network Infra, EMS/LMS. We assume that these service are not in our scope. Kindly confirm.	As per DBR.
150	Hospital Plans and Elevation	DBR Pg 43	43	As per DBR Pg 43, 3D View of Hospital Building	3D View shown in the DBR doesn't match with the Floor Plans of the hospital building. We assume that the 3D is only for a representational purpose. Kindly confirm.	Shall be as per tender condition.
151	Schedule of Finishes	DBR Pg 50-73	50	Schedule of Finishes mentioned in the DBR	We are following the Schedule of Finishes mentioned in the DBR and we shall not consider any extra special finishes which are required for Hospital services area and other buildings.	As per Arch. DBR & Finishing Schedule.

All others terms and conditions of tender shall remain same.

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

- Enclosers: 1. Soil Investigation Report.
2. Arbitration Clause.
3. Format of Power of Attorney.
4. Masterplan Tender Drawing.

(- Sd -)
DGM (C), HSCC (India) Ltd.