

# ALL INDIA INSTITUTE OF MEDICAL SCIENCES

AIIMS, NEW DELHI



Dated: 12.12.2016

## AMENDMENT No. – I

**Project Name: Tender for “Construction of Geriatrics Block Including Associated Works, Operation & Maintenance during defect liability period in AIIMS Campus, Masjid Moth, New Delhi”.**

**Tender No. : HSCC/PG-II/AIIMS/GERIATRICALS/2016, dated: 15.11.2016**

**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 21.12.2016  
through e-Tendering  
(Last date of receipt of tender)**

**(ii) Date of Opening of bids : on 21.12.2016 at 15:00 hrs.**

**2) Reply to Pre Bid Queries raised by bidders during pre -bid meeting held on 28.11.2016 at HSCC, Head Office, Noida.**

S.No.	Specification / Vol./ Item No./ BOQ / Make List Ref.	Description in Tender/ as per Tender	Bidders Queries	Reply/ Clarification to Bidders Queries
1	Vol.-II, GCC : Schedule F Minimum Bill	Rs. 3 Crores.	Request you to kindly remove the minimum RA Bill restriction for first three and last three months of the project.	Shall be as per tender condition.
2	Vol.-II - SCC Retention Money	5% of CV as Cash Retention	Request you to kindly accept BG of equivalent amount for retention money.	Shall be as per tender condition.
3	Soil Report		Kindly provide the Soil Investigation Report for the said project.	Refer NIB (Volume-I) Clause No 1.17 Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil.
4	Tender Drawings		Kindly provide the drawings in AUTO CAD format for the said project.	Also provided in pdf format on HSCC e-tender portal.

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5	Page No. AC4 R 2; Clause No. 2.1, 2.2, 2.3; PUMPS	Supply, installation, testing and commissioning of Vertical Inline split coupled centrifugal chilled water recirculation pumps.	The BOQ states that Primary pump should be end suction type whereas secondary pump should be vertical inline type. Also the BOQ states that condenser water pump should be horizontal split casing centrifugal pump. Technical specification for the same states that pump should be end suction type. Kindly clarify whether we can consider end suction type pumps for primary, secondary as well as condenser pumps.	Shall be as Per BOQ.
6	Page No. AC10 R2; Clause No. 5.3; HEAT RECLAIM VENTILATION UNIT		Detailed specification for the same is not provided in the BOQ as well as Technical Specifications. We request you to kindly provide the same.	Shall be as Per BOQ.
7	Page No. AC25 R2; Clause No. 13; Drain Piping		Description of insulation on drain piping is not provided in the BOQ as well as technical specifications. We request you to kindly provide insulation material type and thickness for the same.	Shall be as per chilled water pipe insulation.
8	Page No. AC 10 R2; Clause No. 5.4; Fan Coil Unit	The valves and actuator shall be compatible with BMS complete vibration isolator, wiring complete as required	We request you to specify the length of cabling required with each FCU/AHU.	Shall be as per tender.
9	Page No. AC 30 R2; Clause No. 27; AIR- CONDITIONING PANELS	Supply, installation, testing and commissioning of A/C Panel, Type Tested Assembly (TTA),	We request you to clarify whether the main HVAC panel shall be TTA type or all panels shall be TTA type.	TTA type for main HVAC panel.
10	Page No. AC 6 R2; Clause No. 3; Cooling Tower		We request you to kindly provide the heat rejection capacity for each cooling tower.	Range, flow rate and wbt given shall be as per CTI.
11	Page No. AC 11 R2; Clause No. 6.1.1; Centrifugal fans	Fans shall be AMCA certified for Air and Sound.	In accordance with the list of makes for centrifugal fans provided by you, none of the approved manufacturers provide AMCA certification for air and sound both for centrifugal fans. Request you to approve Greenheck/ airflow.	Shall be as per tender.
12	Page No. AC 17 R2; Clause No. 6.7; Air washer unit		Please specify whether the air washer shall be single skin type or double skin type.	Single Skin.
13	<b>Request you to make the following additional makes in NIT:-</b>		<b>Additional Makes:</b>	
13.1		Carrier/ Trane/ York	Dunham Bush	Shall be as per tender.
13.2		Danfoss/ Siemens/ Allen Bradley/ ABB/ Schneider	FUJI	Shall be as per tender.
13.3		Flakt/ Nicotra/ Comefri/ Systemair/Kruger	Greenheck/Airflow	Shall be as per tender.
13.4		Tricolite/ Adlec/ Sterling & Wilson/ Jackson Engineers/Milestone/ Khokhar	Advance/ System Power Control	Shall be as per tender.
13.5		Ravistar/ Caryaire/ Mapro	Servex	Shall be as per tender.
14	BOQ item no.- 1 (SH:A), Water Chilling unit		Please confirm the factory witness testing of chillers if it is required or not. Please clarify	Witness test not required.

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15	Capacity Control		The compressor shall be equipped for modulating the capacity from 100% up to the 20% for stable operation without surging. The unit shall be designed to unload upto 25% of its rated capacity at Constant Condenser Entering Water Temperature For surge free running of chillers upto 25% of its rated capacity at Constant Condenser Entering water temperature, artificial means like hot gas bypass shall not be used as it leads to efficiency loss and unstable operation. The chiller impeller shall be designed in such a way that it leads to stable operation without surging. All chillers installed in AIIMS. Delhi are without Hot gas bypass and have been running successfully for over 20 years.	Shall be as per tender.
16	BOQ item no.- 27.1 (SH:D), Main AC Panel		Approved makes for Main AC Panel i.e. L&T/Siemens/ABB/Schneider only quote through their Authorised Channel Partner. Please accept the make of main Electrical panel same as the make for AHU/ Ventilation electrical panel since they all are Authorised channel partner.	Shall be as per tender.
17	Piping		Jindal (Hissar) plant doesn't manufacturer pipe above 300 mm dia. . therfor we request you to kindly accept Jindal Star for the same.	As per IS 3589. Make shall be as per approved make list.
18	Air Handling units		Please confirm the static pressure of all the AHUs as specified in BOQ is total static pressure or External static pressure.	Total static pressure.
19	Pump		Suction of pump shall be single.	Shall be as per tender.
20	Axial Fans		Axial flow fans is selected on the basis of the CFM and static pressure as required in BOQ. Can we select the fan on the basis of 1450 rpm.	Slection shall be as per Boq and Specifications.
21	Sub head C -Air distribution of BOQ		Factory fabricated duct shall have joining agreement with TDF / TDC flanges as per SMACNA.Duct shall be rectangular type only. Duct shall not include damper same shall be measured under separate BOQ item mentioned in air distribution	Shall be as per tender.
22	Ducting		Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/ round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of Only rectangular ducting required. following sheet thickness complete as required. Request you to make it rectangular instead of rectangular/ round.	As per BOQ it is Rectangular only.
<b>MEDICAL WORKS</b>				
23	TECHNICAL SPECIFICATION OF MEDICAL GAS MANIFOLD SYSTEM Page No. 12	Vacuum (Suction)System Imported	Vacuum System (Imported): System capacity 140 cfm / 3960 LPM. Every manufacture has its own model based on LPM capacity and therefore matching excat LPM is not possible. We request you a deviation range of 5 % (+/-) for the system capacity.	System Capacity shall be read as 140 cfm/3960 LPM ±5%

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24	TECHNICAL SPECIFICATION OF MEDICAL GAS MANIFOLD SYSTEM Page No. 14	Vacuum (Suction)System Imported	Vacuum Receiver Capacity: 3 tanks of 3000 Ltrs. Every manufacture design the receiver capacity as per applicable standard. The vacuum receiver capacity written in Vacuum System as per NFPA specifications is as per applicable standard. We request in the same way amend the vacuum receiver capacity of vacuum system as per HTM standard and delete 3x 3000 ltr.	Vacuum Receiver of suitable capacity and nos should be provided as per applicable standard
25	TECHNICAL SPECIFICATION OF MEDICAL GAS MANIFOLD SYSTEM Page No. 16	11 bar Medical Air Plant	11 bar Medical Air Plant . Every manufacture has its own design for supplying the MA4 bar and SA 4 bar. It is not necessary that 11 bar plant is required to deliver MA 4bar and SA 7 bar. 10 bar Medical air plant is sufficient to provide both MA4 and SA 7 bar. So we request you to amend it to 10 Bar Medical Air Plant	Minimum 10 bar Medical Air Plant required
26	TECHNICAL SPECIFICATION OF MEDICAL GAS MANIFOLD SYSTEM Page No. 23 - 24	ICU Pendants	Load Bearing capacity is 150 Kg. We request you to amend it to minimum 120 Kg as it is sufficient for holding ICU equipments	Load bearing capacity should be 120 Kg minimum for ICU pendant
27	SUBHEAD 13: ADDRESSABLE FIRE SYSTEM BOQ		Detectors are asked with fault Isolator/ External Fault Isolator for each detector. Fault Isolators are required after every 20 detectors.	As per BOQ. Inbuilt fault isolator or external fault isolator as per the manufacturer standard practice both may be accepted.
28	SUBHEAD 13: ADDRESSABLE FIRE SYSTEM BOQ, 13.10		Can we use Dual LED Response indicator of Agni make	No
29	SUB HEAD 14 : CCTV SURVEILLANCE SYSTEM BOQ, 14.06(ii)		There are 94 cameras in the BOQ whereas License for 125 nos. of cameras are required	As per BOQ.
30	SUBHEAD 15: ACCESS CONTROL, 15.01		6 nos. of 2 reader controllers are asked against 14 nos. of readers in the BOQ.	As per BOQ
31	Clause 31 (d) of SCC Clause 7 of GCC, para 2	<b>Clause no. 31(d) of SCC:</b> "Payment against each monthly R/A bills upon each of the Engineer's certificates shall be made by the HSCC (I) Ltd. acting for and on behalf of Employer or by the Employer directly within 30 working days after such certificate has been issued by the Engineer." <b>Clause 7 of GCC, para 2:</b> "In case of delay in payment of intermediate bills after 60 days of submission of bill by the contractor provided the bill submitted by the contractor found to be in order, a simple interest @ <b>4% per annum</b> shall be paid to the contractor from the date of expiry of prescribed time limit, provided the bill is found in order along with all supporting documents."	There is no time limit prescribed for certification of the bill from the date of submission. Please prescribe a time limit for certification from the date of submission.	Shall be as per tender condition.

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32	Clause 2.3.7 of ITB Clause 38 & 44 of GCC	<p><b>Clause 38 of GCC:</b> "All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, <b>the contractor shall be reimbursed the amount so paid</b>, provided such payments, if any, is not, in the opinion of the Engineer-in-charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.</p> <p><b>Clause 44 of SCC:</b> "The quoted rates/prices for the items shall be complete in all respect including all labour, material, plant and machinery, tools and tackles, batching plant for RCC work including water &amp; electricity, all taxes, duties, levies, octroi, statutory levies <b>applicable from time to time</b> and others as specified in SCC etc."</p>	Any new taxes/levies or variation in the existing taxes, including GST imposed by statute, shall be adjusted. Kindly confirm.	Refer: Clause -38 of Vol.-II (GCC).
33	Clause 36 of GCC	Employment of Technical staff and Employers: - The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract.	Please allow the contractor to deploy minimum staff and equipment as per site requirement which shall be mutually decided.	Shall be as per tender condition.
34	Pt. vi of GRIHA, Pg- 81	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	It is understood that the land at free of cost for the soil preservation will be provided by the Employer. Kindly confirm.	Refer NIB (Volume-I) Clause No 1.17 Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil.
35	Cl 1.21 of TS for civil works	Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost	It is understood that the land at free of cost for stacking will be provided by the Employer. Kindly confirm.	Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submission of their offer.
36	Cl 42.2.2, Para 2, of SCC	The Contractor shall make his own arrangement at his own expense for labour camp / accommodation of his labour and staff and their conveyance to Site as no workers/ staff shall unless with the specific approval of the Engineer be allowed to stay within the Site.	It is understood that the land at free of cost for Labour Hutment will be provided by the Employer. Kindly confirm.	No Change in tender condition.
37	NGT/Environment	NGT/Environmental Clearances for commencement of Project	It is understood that all the necessary approval like environment /NGT for commencement and execution of works, have been taken by the Employer. Kindly confirm.	All Pre Construction approval from various authority is in place. However, all necessary approval have been taken by contractor from various deptt. during construction & after completion of work.

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38	Cl 1.6 (i) of NIB	The site for the work is available	It is understood that site free of encumbrance is available. Kindly confirm.	No Change in tender condition.
39	Cl 12.2, para 2 of GCC	The Engineer-in-Charge shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined. The prescribed time limits is 60 Days	We request you to give approval for variation/deviation/ Extra Item as per the market rate within 30 days. Kindly confirm.	Shall be as per tender condition.
40	Cl 7 , para 2 of GCC	"In case of delay in payment of intermediate bills after 60 days of submission of bill by the contractor provided the bill submitted by the contractor found to be in order, a simple interest @ 4% per annum shall be paid to the contractor from the date of expiry of prescribed time limit, provided the bill is found in order along with all supporting documents."	We request you to revise the interest rate to 12%. Kindly confirm.	Shall be as per tender condition.
41	Cl 5 of GCC and schedule F	Milestone Dates	Whether the milestone dates can be rescheduled at the time of tender negotiations. Kindly confirm.	Shall be as per tender condition.
42	Clause 5 of GCC and Schedule F	<b>Withheld Milestone Amount:-</b> Amount Withheld against non-achievement of milestone	Milestone withheld amount if any, during project duration can be released against BG. Kindly confirm.	Shall be as per tender condition.
43	Cl 5 of HVAC conditions, Cl 10 of electrical conditions, Cl 4.0 of Firefighting conditions (in SCC)	<p><b>Cl 4 of FF condition of SCC:</b>With in two weeks after Award of the Contract, the Contractor shall furnish for approval of the Engineer, three sets of detailed Structural, sanitary, plumbing, fire fighting ( external &amp; internal), Pump room &amp; Shop drawings of all equipment</p> <p><b>Cl 10 of electrical conditions of SCC:</b> The Contractor shall prepare and submit to the Engineer for his approval detail shop drawings of Main &amp; Sub Distribution Boards, Distribution Boards, special pull boxes, light &amp; fan switch boards, telephone distribution boards, FDA system and lightning protection system and other equipment to be procured/ fabrication by the Contractor within 15 days of signing of the above items required to complete the electrical installation in all respect</p> <p><b>Cl 5 of HVAC conditions of SCC:</b> The Contractor shall within 60 days of signing of the Contract, prepare and submit to the Engineer for approval</p>	Please confirm the vendors, materials and approval duration of drawings	Details of Vendors & Suppliers already given the tender.

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44	S.No. q, 1.1, Page: BOQ- AC2 R2	BOQ, A) EQUIPMENTS - The Minimum COP of 6.3 and minimum IPLV of 9 as per ECBC code at ARI conditions should be complied .	Standard referred here are ECBC, please note as per ECBC specified value of IPLV is 6.61 only. As an requirement IPLV value of 9 is mentioned in ANSI/ASHRAE/IES Standard 90.1-2013, in the same standards COP value is mentioned as 6.01. Please note standards "ANSI/ASHRAE/IES Standard 90.1-2013" provides more relevant requirements and are also more widely used for specifying COP & IPLV requirements. So we request you to please amend these values as COP of 6.01 & IPLV of 9.0 as specified in ANSI/ASHRAE/IES Standard 90.1-2013.	Shall be as per tender.
45	S.No. r, 1.1, Page: BOQ- AC2 R2	BOQ, A) EQUIPMENTS 1.0 WATER CHILLING UNITS.	Please note IKW/TR of 0.64 is quite stringent for this range (425 TR) of Tonnage. Even the most recently floated tender of AIIMS - HVAC works for OPD Block is with IKW/TR of 0.66 IKW/TR that too for higher TR range of 550 TR. So in view of above request you to please amend the maximum IKW/TR as 0.66 IKW/TR	Shall be as per tender.
46	S.No. 1.1, Page: BOQ- AC1 R2	BOQ, A) EQUIPMENTS 1.0 WATER CHILLING UNITS.	We request you to please consider Screw chiller also if the same is complying with the operational parameters (i.e COP & IPLV) specified in NIT.	Shall be as per tender.
47	General		a) Kindly provide Electrical Panel SLD & Main SLD	Provide only successful bidder.
			b) Kindly provide Schematic/ Riser drawings for HVAC, Water supply, Fire fighting, FA & ELV systems	Provide only successful bidder.
			c) Kindly provide Data sheets for major MEP Equipments	Shall be per BOQ/ technical specifications.
48	APPROVED MAKES			
		Chiller Makes - Carrier / Trane / York	Kindly approve Daikin Make for Chiller.	Shall be as per tender.
		Ventilation Fan Makes - Flakt/Nicotra/Systemair/Kruger	Kindly approve Airflow Make for Ventilation Fans.	Shall be as per tender.
		Grill, Diffuser/Fire Damper Makes - Ravistar/Caryaire/Mapro	Kindly approve Airflow, Airproduct & Air Master Make for Ventilation Fans.	Shall be as per tender.
		Visitor Managemnt System	Kindly provide approved make for this visitor management system.	Shall be as per tender.
		Parking Managemnt System	Kindly provide approved make for this parking management system.	Approve Makes are mentioned in BOQ
49	PA SYSTEM			
	EN-60849 complianc	BOQ Elec > Item 25.1/2/3	Kindly allow EN-54 complianc along with EN-60849 for PA system as only EN-60849 requirement is confining the competition to a single model/brand. For fair competition the bidder requests to add complianc to either EN-60849 OR EN-54.	As per BOQ
		BOQ Elec > Item 25.2	Kindly approve Output range of amplifiers from 20 Hz – 20kHz	As per BOQ
50	BUILDING MANAGEMENT SYSTEM			
	Approved makes		Please approve Johnson Controls make for Building management System.	No Change. As per list of Approval Makes
51	CCTV			
	Approved makes		Please approve Johnson Controls make for CCTV system	No Change
52	QMS			

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	Approved makes		Please provide approved make for QMS system	Bidder has to make their own survey as per the specification given in tender.
53	Earnest Money	As per NIB Page No.11, Cl.1.9, EMD of Rs.180.58 Lacs is required to be submitted in the shape of Demand Draft or Bank Guarantee in favour of HSCC (India) Ltd. from any scheduled bank.	In this regard, we would like to submit that as per RBI guidelines, all the banks in India now made mandatory instructions to submit banker's details of Bank Guarantee Beneficiary before preparing of any EMD Bank Guarantee. The details required are as follows: Beneficiary Name, Name of Bank, Bank Address, Beneficiary A/C No., IFS Code/RTGS No., MICR Code, PAN No., etc. We request you to kindly provide the same, so that we can able to prepare EMD BG.	HSCC (India) Limited, Name of Branch - Indian Overseas Bank, Kribhco Branch, Noida IFSC Code - IOBA0001725 Bank A/C No. - 172502000000151 PAN No. - AAACH0086N
54	SCC, Clause 4 (Cl. 4 (iv), Page No.5	The Contractor shall obtain all necessary approvals from Municipal and other local bodies including Municipal bodies, forest, Water supply agencies concerned, Electric Supply and inspectorate. Agencies concerned, Police and Security Agencies, Chief Controller of Explosives, Fire Department, Civil Aviation Department, AERB, etc. concerned in accordance to prevailing rules, Building Bye-Laws etc., as the case may be with related to Construction/Completion. The approvals shall include the following in addition to any other approval which may be required for the project. - Permission for tree cutting from Forest department - Occupancy certificate.	As this is item rate tender based on design & drawings given by the Client/ its consultant. We request you to remove any approvals to be taken from Municipal and other local bodies such as Occupancy Certificate from scope of contractor. Further permission for tree cutting from Forest department is very time consuming activity. As such we request Client to take tree cutting permission from Client before award of Work.  Please clarify status of environmental status for project.	Refer SCC (Vol.-III) Clause No 4 "Scope of Work", which is self explanatory.
55	Schedule-F, Page No.114, Mobilization Advance	As per Schedule the applicability of Clause 10B (ii) & (iii) is not applicable.	We request you to kindly make provision of 10% Mobilization advance and 5% Machinery Advance as per respective GCC Clauses. This will help in maintaining cash flow of the project and progress of work. Please Confirm.	No change in tender terms and conditions. Tender terms and conditions shall prevail.
56	Proforma of Schedule-F, Cl.10CA & CC	As per Proforma, these clauses are applicable in this project, but base rate of Cement, Reinforcement Steel and Structural Steel is not mentioned. Further the component of POL under Clause 10CC is mentioned Nil.	Please provide the rate of these items covered under Clause 10CA. Please also make provision of POL component as 10% under Clause 10CC Kindly confirm.	Refer, Schedule - F of GCC (Vol.-II) of the tender document. 10CA is applicable for Cement and Reinforcement steel only.  Base price of items under clause 10 CA are as given below: 1) Cement (OPC) : Rs. 5400.00 Per MT 2) Reinforcement Steel (TMT 500) : Rs. 34070.00 Per MT
57	Proforma of Schedule, Cl.7, GCC Page No.114	Minimum billing is Rs.3.00 Crores	We request you to exempt this ceiling for first three RA Bills and last two RA Bills.	Shall be as per tender condition.



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58	Retention Money, SCC, Clause 31 (e ), Page No.	As per SCC Clause,  a) 2.5% of contract value to be deposited in the form of BG and b) Cash retention shall be made from RA RA Bill @ 5% subject to max. 2.5% of contract value. The same shall be released after DLP.  In addition to this 5% of each Item Rate of MEP Works shall be retained up-to DLP.	We request you to allow upfront BG of 5% of contract value towards Retention in lieu of any cash retention from each RA Bill and rates of MEP Works Item.  Please Confirm.	Shall be as per tender condition.
59	SCC, Cl. 4 (ii), Page No.5	Detailed architectural RFC Drawings for Architecture, Structure and Services shall be provided by consultant to the contractor. The Contractor will prepare, shop drawings based on the drawings given by client/ consultant for all services eg. Electrical, Plumbing, Fire fighting, fire detection, HVAC & Plant layout, Gases Manifold, Modular OT, IT, etc. The contractor shall make all necessary coordination. Whereas as per clause No.5 (d), Architectural drawings shall be provided by consultant to the contractor. The Contractor will prepare detailed structural design and drawings, shop drawings based on the drawings given by client/ consultant for all services eg. Electrical, Plumbing, Fire fighting, fire detection, HVAC & Plant layout, etc. The contractor shall get the structural drawings duly vetted from IIT at their own cost.	Please clarify whether SCC, Clause 4 (ii) Scope of work, supersedes the SCC Clause 5 (d) or not.  Further, we understand that this is an item rate tender, hence all detailed construction drawings shall be provided by client/consultant to contractor. Only shop drawing in the scope to contractor for MEP Services.  Please confirm.	Refer Clause no. 4 for Vol.-I (NIT/PQ), which is self explanatory.
60	SCC, Page No.43, Cl.(40 p(ix)	No idling charges or compensation shall be paid for idling of the contractor's labour, staff or P&M etc. on any ground or due to any reason whatsoever.	This is very harsh condition. Kindly amend the clause making financial compensation to contractor for idling of contractors resources due to reasons not attributable to contractor.	Shall be as per tender condition.
61	SCC, Cl.42.2.5, Page-48	A reasonably furnished site office accommodation having a sample room, A.C. meeting room, A.C. staff rooms with file storage facility along with computers & printers and its consumables, a telephone with STD facility, Fax Machine, internet and toilets & pantry. Vehicles in good running condition is to be made available for exclusive use of engineer during currency of the contract including defect liability period by the contractor at his own cost. This will include cost of fuel, consumables, Drivers, Maintenance etc.	a) Please provide details of site office area to be provided along with furniture details;  b) Also specify no of computers/ printers, telephone with STD facility, Fax Machine, internet to be provided to Client.  c) Please specify vehicle type, nos of vehicles & km travelling/ month to be considered.	Site office Area approximate 120 Sqm. and other facilities as per the site and work requirement.

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62	ITB, Clause No 2.3.7, Page No.22	Quoted Price should include all costs associated with the project including any out of pocket/mobilization expenses, taxes, charges, levies, cess, VAT, excluding Service Tax, PF & ESI etc. as per GCC 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.	We understand that our quote rate shall be excluding Service tax, PF & ESI, and the same shall be reimbursable to us on actual basis. Further, any new taxes/levies or variation in the existing taxes, including GST imposed by statute, during currency of contract, the same shall be adjusted on actual basis. Please confirm.	Tender condition prevail. Refer Clause no. 19L, 37& 38 of Vol.-II (GCC).
63	Operation & Maintenance during DLP	As per tender condition, we have to maintain the system during DLP period of one year.	We understand that only Maintenance in our scope during DLP period and all consumables like fuel, spare part etc. will not be in Contractor's scope.	All the defects are to be attended during DLP by the contractor. However Separate BOQ for Operation & Maintenance (O&M) works already given in the tender.
64	SCC, Volume-III, P-9, Cl. 6b	If by reason of any failure or inability of the Consultant to issue within 4 weeks any drawing or instruction for which notice has been given by the Contractor in accordance with Sub-clause 1) and the contractor suffers delay, then the Engineer-in-charge, shall on the request of the Contractor recommend to the Client any extension of time under respective clause. Notwithstanding anything stated above, the Contractor shall not be eligible for any financial compensation arising out of the above.	We request you to consider suitable cost compensation due to delay in work due to reasons not attributable to contractor.	Shall be as per tender condition.
65	Vol-II GCC: Schedule F, Page 113 of 130	Milestone 1: Completion of RCC work up to Plinth Level; Milestone, 4&5, Completion of RCC works up to Terrace and Brickwork up to Floor Level 8.	Please note that project consists of 3 basements after earth retaining structure & excavation of huge quantity. Milestone for Completion of RCC work till plinth level is specifies as 6 months is not achievable. We request you to review the same. We request you to permit contractor to plan/ schedule of work on basis of formwork repetitions & optimum utilization of resources within completion period of 24 months. Scheduling on basis of milestone given in tender will lead underutilization of resources & excess formwork requirement. We request you to review as this will help bidders in submitting most competitive bids.	Shall be as per tender condition.
66	Land for Site Infrastructure	Land for Temporary Infrastructures like Site Office, Godown, Batching Plant etc.	We request you to provide land for Temporary Infrastructures like labour camp, Site Office, Go-down, Batching Plant etc. free of cost within site premises.	Spaces for batching plant, steel/shuttering yard, godown 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.
67	Land for Labour Camp	Land for Labour Camp	Please provide land for labour camp within site premises or vicinity of project site.	No space for labour colony will be provided.

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68	General	Access road for work & restriction for movement	a) Please provide us road network drawing showing access roads available to contractor for movement of material, P&M & labour. b) As hospital is under operation kindly specify restriction for labour & material movement. Entry & exit route provided for the work.	Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submission of their offer.
69	General	Working time restrictions	Please specify working time restrictions if any. Please clarify whether working during night also permitted or not.	Shall be as per tender condition.
70	Cl.P (xii) SCC, Volume-III, P-43	Pre-construction treatment shall be carried out in co-ordination with the building work and shall be executed in such a manner that the civil works are not hampered or delayed by the anti-termite treatment. The treatment shall be carried out as detailed in BIS: 6313 (Part-II) latest revision.	Please make this as BOQ item.	No change in tender conditions
71	BOQ - Comprehensive Maintenance and operation during DLP Period	Providing comprehensive maintenance and operation during defect liability period of all works executed under all different heads of Bill of Quantities (B.O.Q.). The Comprehensive operation and maintenance of all works shall include all the spare parts, consumables (excluding the cost of diesel required for running of DG sets), manpower, and periodical changes of lubricants etc. including replacement/repair to keep the building in usable condition with least disturbance of the occupants. Comprehensive operation Maintenance for one year during defect liability period only	a) BOQ - Comprehensive Maintenance and operation during DLP period: We understand that electricity & water required during operation & maintenance will be in the Clients Scope. Please confirm. b) We understand that Lift operator, housing keeping, security of campus is not in the scope of work during DLP period. Kindly confirm. c) Please elaborate scope operation & maintenance during DLP Period.	As per BOQ & Tender Condition.
72	BOQ item 1.06, Page C-1	Designing, providing, installing temporary removable earth retaining structure (for 3-level basement as per drawing) using steel sheet piles/ soldier piles/ H beams with waler beams, hard wood wooden lagging of desired thickness.	a) We understand that contractor free to choose between any method (i.e. steel sheet piles/ soldier piles/ H beams with waler beam, hard wood wooden lagging of desired thickness) specified in BOQ. Please confirm. b) We understand that measurement of this item will be taken upto total depth (i.e. including depth of sheet pile/ soldier pile/ H beam inserted/bored below foundation level ) Kindly confirm. c) Please provide excavation plan & section showing location of temporary earth retaining structure & distance from surrounding buildings/ structures. d) Please clarify whether concrete lagging will be allowed instead of wooden laggings.	a)Work shall be carried out as per BOQ Item and tender conditions . b )Vertical area of side of excavation, where earth retaining structure is provided, shall be measured for payment. c)tender drawings are already enclosed d)No change in tender conditions
73	BOQ Section 1, Page C-1	Dewatering	We request you to make dewatering item in BOQ as project consists of three basement work.	No change in tender conditions

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74	BOQ item 7.04, Page C-16	10 mm thick acid and/or alkali resistant tiles	Please specify approved agency for acid and/or alkali resistant tiles.	As per tender conditions only
75	BOQ item 7.27, Page C-19	Providing and fixing in position pre-moulded joint filler in expansion joints.	Please review unit of this item.	Unit of Item 7.27 may be read as "per cm depth per cm width per mtr length"
76	BOQ MEP work, page PHE-101	WTP(Sec.11) , ETP (Sec.12) & STP (Sec.13)	BOQ for operation & maintenance of STP is given at section 13 but BOQ for operation & maintenance of WTP & ETP is not given. Please clarify.	The Quoted rate should include Operation & Maintenance Cost for WTP & ETP also.
77	BOQ-(Sec. 5) Doors & Windows, page C-11&12	Approved make for aluminium hardware's	Please provide Approved make for aluminium hardware's	As per tender conditions only
78	BOQ-(Sec. 7) Floorings , page C-16 to 20	Basic rate for marble, granite	Please provide basic rate for marble, granite stone & other specialised flooring items where rate depend on selection of flooring.	Work shall be carried out as per CPWD Specifications and tender conditions
79	FFS / DG	Vol 04 Technical Specs - page No 62 - Contractor shall provide necessary test certificates and performance charts with NPSH requirement of the pumps from the manufacturer. The contractor shall provide facilities to the Architect or their authorized representative for inspection of equipment during manufacturing and also to witness various tests at the manufacturer's works without any cost to the owners	Kindly clarify whether you want to test all the Pumps/ DG ? And how many people will attend this test so that same cost can be include in our offer.	Atleast one representative fro HSCC shall be available for factory testing / inspection.
80	HVAC BMS		Please confirm that there is no scope for HVAC BMS Control System in this project. If BMS scope is there, then please provide the list of other system that need to be integrated with the BMS system along with type of integration (i.e. soft integration or hardware integration).	BMS BOQ/Specs are mentioned in Electrical Part.
81		Customs and Excise duty on Chillers in HVAC work	Is Customs and Excise duty exempted on Chillers. Pls clarify?	Shall be as per tender.
82	4.11	EPS Core Wall Panels - Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels .....the overall direction of the Engineer-in-charge.	Kindly provide us with the approved make of EPS Core Wall Panels.	As per Approved make list in Technical Specifications item "3 D wall"
<b>Electric Work - Sub Head -1: HT SUBSTATION</b>				
83	1.01 - c	HT Panels - Outgoing Feeder-11KV Potential Transformers	BOQ specified 1 sets 11 KV/110V-110V Potential Transformes in Out going VCB feeder, Since In Incoming VCB feeder have also 1set Potential Transformers So no need to put 1nos additional 11 KV PT, Digital Voltmeter in outgoing VCB feeder. The voltgae of HT panels will be monitoring from Incoming VCB panels, The complete 5 Panel Boards panel will be installed in HT substation room. Please clarify/confirm.	As per BOQ

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84	1.02	Transformer - The Transformer loss must be as per ECBC norms amended up to date	There are discrepancy between the Losses of Transformer, The BOQ follow ECBC norms whereas in specification : SPEC Page E-11 R1: The Losses will be as per IS 1180 amended up to date,, Kindly clarify/ confirm.	As per BOQ
85	Sub Head -3: DG SETS & ACCESSORIES - 3.01	625KVA DG SETS - Exhaust pipe/ Chimney	Request to clarify the exhaust pipe support structure, whether it is Self supporting Structure, or along with wall/ shaft, Please confirm.	As per actual site conditions
86	Sub Head -5: MV PANELS - 5.03,5.05,5.06,5.08,5.09,5.10	MV Panel-Normal - Separate fault indication for O/L,S/C,&E/F to be provided on panel door - Volume-V- Bill of Quantity (BOQ) - Technical Specifications for Electrical works	The manufacturer of MCCBs does not provide separate fault indication for O/L,S/C,E/F, They confirm that only trip indication will be provided in MCCB. Request to clarify/ confirm,.	Trip indication will be required
87	SPEC Page E-66 R1 - 9.4	Bus Trunking/ Rising Mains - Insulation Voltage 1100V	As per manufacturer standard The rated insulation voltage will be 1000Volt instead of 1.1 KV, Can be considered 1000Volt in place of 1100V, Please confirm	1000V can be accepted
88	SPEC Page E-67 R1 - 9.9	The Bus duct shall be suitable for 12KV Impulse voltage.	For 12KV Impulse voltage, only one make from the approved vendors meet the specification, Can be considered 8KV in place of 12 KV, Please confirm	12 KV , As per Tender
89	SPEC Page E-208 R1 - 2	List of Approved Makes for Electrical System - Transformers	The approved makes M/S Schneider,Alstom & GE does not manufacturer of Cast Resin Type Transformers, .So we request you to give approval of M/s Raychem-RPG, M/s Kirloskar, M/s Voltamp make also.	Raychem-RPG may be approved
90	SPEC Page E-210 R1 - 33	List of Approved Makes for Electrical System - Cable Tray/ Raceway	The approved makes M/S Legrand & M/s Copper does not manufacturer of Cable Trays/Raceways.So we request you to give approval of M/s AKG & RMCON, Slottco, MEM,make also.	No Change & As per BOQ
91	SPEC Page E-211 R1 - 42	List of Approved Makes for Electrical System - Solar Power System	The approved makes M/S CEL,BEL,BHEL are manufacturing only Solar PV module & not doing Trunkey project, So we request you to give approval of M/s Moser baer, Autonic,Panasonic, Vikram Solar,make also.	MNER certification for last 10 years can provide solar photovoltaic
	<b>LED light fixture</b>	<b>Additional Make</b>		<b>Wipro</b>
	HVAC Works			
92	S.No 1, Centrifugal Chilling Units with VFD (ARI Certified), Page: Specs – AC-Page -109	LIST OF APPROVED MAKES AND MANUFACTURERS - Carrier/ Trane/ York	We would like to request you to include imported make of Dunham - Bush for centrifugal chiller in addition to makes specified in tender. From above submission it's our genuine request to you to include Dunham - Bush make in approved list of makes for centrifugal chiller also for subject tender.	Shall be as per tender condition.
93		Approved Makes	Request you to make the following additional makes in NIT:-	
		AHU/ventilation electrical panels - Tricolite/ Adlec/ Sterling & Wilson/ Jackson Engineers/ Milestone/ Khokhar	Advance/ System Power Control	Shall be as per tender condition.

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94	SCC clause 42.2.5, page 47	The Contractor shall make his own arrangement for water supply at Site for drinking as well as construction purposes at his own cost. The Contractor shall also make his own arrangements for power supply at Site for construction, testing & commissioning of all services and general use at his own cost. Non-availability of power supply and/or water from whatever source shall not entail any additional claims or extension of Contract period in this account. The contractor will provide water & electricity to the Engineer's office free of cost for the required quantity by the engineer's site office	It is not cleared whether the means electricity and water for the project will be supplied by HSCC or not. <u>Water Supply</u> i) Boring can be done or not? ii) Treated / Untreated water Supply is given or not? ii) Or the external water sources shall be used by the contractor like water tankers? <u>Electricity</u> i) Electrical Department liasoning would be be in contractor / Clients scope? ii) Do the Metred electricity provided or not?	All the electricity & water requirement for the project shall be in the scope of agency.
95			As per Clause 1 of the page 4 of Volume I NIB & NIT, Similar Works have been defined as 'project comprising Construction of multi-storeyed RCC framed structure, minimum five storeys above ground level (stilt, basement, machine room and mumty shall not be counted as a storey) including finishing, internal plumbing and internal electrical works. Being a composite tender, the scope of work also includes other E&M works viz. HVAC, Fire Fighting and BMS etc. Kindly clarify if these E&M works are also part of 'Similar work' for meeting the eligibility criteria, which is the usual practice with all government tenders.	No Change, Shall be as per tender condition.
96			Please provide the Section and elevation Drawings for the Building.	Attached at <b>Annexure -I</b>
97			BOQ item no. 21 on page 223 is for Turnkey works for 4 no's, but no description / details / specifications for the item have been mentioned. Kindly provide the same	Details of Turnkey works are mentioned in the Technical specification page
98			Item No. 16 on page 226 of BOQ is for Construction of Manifold Room complete in all respects, but no size has not been mentioned. We require area of construction and brief specifications of the items to be used to estimate and submit a rate for the same	Details of area and brief specifications of Manifold Room are mentioned in the Technical specification page
99			Item No.14 on page 226 of BOQ for Low pressure Silicon Tubing does not specify the size or dia of the tubing. Please provide the same.	OD-10mm and ID- 6mm
100			For Modular OT, Walls and Ceilings, Walls and Ceiling System - As per the technical specifications, there is a specific size or thickness of the grid section of the GI materials. Kindly provide the same.	Sizes of the grid mentioned in the technical specification. Grid section shall be 'T' section 25mm x 26 SWG thick GI material

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101			Scrub Station:-, item no. 15 on page 223 of BOQ, no size of the station is specified. Kindly provide the same.	As mentioned in the specification, Scrub station shall be of 3-Bay. Size-L2100 x D560 x H1385mm.
102			As per BOQ Item 1.01, Earth work excavation in all types of soils, the quoted rate must take into account the credit cost of earth for disposal at the discretion of contractor. Please provide the credit cost per cum of the same to consider in the tender.	Work Shall be carried out as per BOQ Item & tender condition.
103			For BOQ Item 3.02 - Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC, Please clarify that for Item no 3.01, analysis shall be considered with the Fly ash or not.	Work Shall be carried out as per BOQ Item & tender condition.
104			For OPC 43 grade, only Two approved brand of ACC and Ultratech are given. Kindly approve two more makes for utilization of cement in peak times.	No Change, Shall be as per tender condition.
105			For MS pipes and section, only Jindal and Tata are given in the approved makes. Request you to kindly include 'SAIL' also in approved makes.	No Change, Shall be as per tender condition.
106			Kindly clarify if Bidding Capacity is to be submitted	Not required, stand deleted.
107		Water & Electricity	We request you to kindly provide water & electricity at a single point at site for construction purpose.	Contractor has to make his own arrangement for electricity & water supply.
108		BOQ	As observed that in BOQ vol-5, Electrical abstract is there but BOQ Items are not available, so please provide revised BOQ in excel format.	Already given in tender. However, Incorporated in Free View on HSCCe-tender wizard.

3) The Validity of Bid Security/ EMD in the form of Bank Guarantee (BG) will be considered from the original due date of bid submission i.e. 14.12.2016.

Please note that this amendment no. – I, shall form part of the tender and 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> as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for this.

( -sd- )

Chief General Manager (PG-II), HSCC (India) Ltd  
For & on Behalf of Director, AIIMS, New Delhi