

MINISTRY OF HEALTH & FAMILY WELFARE

(Govt. of India, Nirman Bhavan, New Delhi)

CORRIGENDUM-01

Sub: "Construction of National Institute of Allied Health Sciences (NIAHS) at Delhi.

Ref: Tender No. – MoHFW/ ME/ NIAHS-DELHI/ HLL/ID/2013

THE REVISED DATE OF SUBMISSION OF BIDS IS 10.05.2013 by 15:00 HRS.

Sl.No	Ref to Tender	Bidder's queries	MoHFW/HLL Clarifications
1			
A - Commercial			
1.1	Performance Guarantee	As per Tender Document, performance guarantee is valid up to Defect Liability period plus 180 days beyond that. We request that the same may be valid upto the completion of the work as per nominal practice in the country.	Terms & conditions as per tender remain unchanged.
1.2	Retention Money	Please clarify, when you will release retention money to us.	Refer Clause 17 & 45 of GCC Vol-II
1.3	Escalation	The present market trend is quite inflationary and uncertain. It is not possible to complete the project without the provision of escalation clause. We propose reimbursement in price variation as per Clause 10 CC of CPWD	Terms & conditions as per tender remain unchanged.
1.4	Space for Labour Hutment	We request that the suitable space for Material, Labour hutment & Temporary Structure etc. may kindly be provided by the Clients at or near the site of work free of cost.	Land as per site conditions & availability shall be provided free of cost (Refer Clause 36 (c) of SCC (Page 20).
1.5	Service Tax/ VAT	Service Tax is applicable for this project or not, please confirm	All Tendered Rates shall be inclusive of all Taxes & Levies including Service Tax/VAT. (Refer clause 37 of GCC (Page 45).
1.6	Extension of Time	We require 15 days' time after getting replies of our queries. It is requested that the date of the submission of the bid may kindly be extended accordingly	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
B- Technical			
1.7	BOQ item No. 2.5 & 3.19	Ready Mixed Concrete Please clarify that under RMC item, whether we have to necessarily purchase the RMC or we can use concrete from our own batching	Work shall be done as per relevant item given in the BOQ Vol-IV & Technical specification - Vol-III

		plant to be deployed at site.	
1.8	BOQ item No. 3.11	Expansion Joints Please confirm the Depth of Expansion Joint	Pl. refer revised BOQ-Vol-IV
1.9	BOQ item No. 5.9	4 mm thick Veneer Please provide Basic Rate of the Veneer.	Pl. refer revised BOQ-Vol-IV
1.10	BOQ item No. 7.1	Wood work in Frames We understand that the fixing of frames shall be payable under item No. 7.2 Please confirm.	Fixing of Frame is included under Item 7.1, refer revised BOQ-Vol-IV
1.11	BOQ item No. 9.20	18mm thick Granite Stone Please provide Basic Rate of the 18mm thick Granite Stone.	Pl. refer revised BOQ-Vol-IV
2			
2.1	Pg.No.386, Vol-III, Sr. No 144,	List of Manufacture for reinforcement steel Stipulates only names of main producers SAIL/RINL/TISCO/IISCO. It is suggested that the name of primary producer such as SPS Steel Rolling Milles / Jai Balaji Ind. Ltd / Shyam Steel / SRMB Srijan Ltd. / Jindal Steel & Power Ltd., may also be added for competitive rates and easy availability of all sizes of reinforcement bars.	List of Manufacturer for reinforcement steel remains unchanged
2.2	BOQ Page No 52 and 53 Catalogue Nos	With respect to their make be specified in the sanitary fixtures items, as the cost of sanitary fixtures depends upon their catalogue No.	This is a CPWD DSR Item. Catalogue Nos. are not required.
2.3	Taxes	Details of taxes involved in the works has not been specified neither in GCC nor in tender specification, be clarified the levy of taxes for this work	All Tendered Rates shall be inclusive of all Taxes & Levies including Service Tax/VAT. (Refer clause 37 of GCC (Page 45).
2.4	The Tender stipulates only the applicability of clause 10CA	For cement and steel only. Since the work is for the construction of Hospital and the scope of works includes in BOQ No. of specialized trade items the rates of which may vary to great extend during execution period, hence it is suggested the clause of 10 CC should be made application in this work. Although we have suggested above for the applicability clause 10cc, in case the same is not considered then, the base rate of cement & steel, including in schedule F which is 5500/- per MT and 50000/- per MT respectively as stipulated in schedule F, is considered much higher as per the prevailing rates in market, You may consider reduction of basic rates Rs.4800/- per MT	Please refer revised Schedule "F" of Vol. II attached.

		for cement and Rs. 44000/- per MT for steel	
2.5	Rates of recovery for technical representative under 36(i) of schedule F	Included vary from Rs.1,00,000.00 to Rs. 3,00,000.00 are considered unrealistic and very much inflated. You may consider realistic rates varying from Rs. 50,000/- to Rs. 1,50,000/- per month as per designation / status of the technical rep for the recovery in case on non-deployment	Terms & conditions as per tender remain unchanged.
2.6		Whether the contractor shall be allotted land for labour huts, site office, work shop etc.: May be clarified / specified in the tender	Land as per site conditions & availability shall be provided free of cost (Refer Clause 36 (c) of SCC (Page 20)).
2.7	Extension of date of submission of tender beyond 30.04.2013	Since this is hospital work, which involves many special items, the rates for which are to be obtained from the specialized firms. These firms take adequate time to submit their quotations. In view of this for realistic and correct analysis of rates for competitive quoting of tender, the extension of receipt of tender beyond 30-04-2013 doe minimum 15 days may be considered.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
3			
3.1	Clause – 37 & 38	Please clarify status of Service Tax. We understand that as per provision under clause 37 & 38, the tender rates should be inclusive of service tax. Please clarify that if service tax is applicable then the same is payable by the contractor.	All Tendered Rates shall be inclusive of all Taxes & Levies including Service Tax/VAT. Refer clause 37 of GCC.
3.2	Cl – 10 B of GCC Vol-II	As per provision, under clause – 10B of GCC Vol-II, the Secured Advance is for 90% of the assessed value, whereas under Para - 4C on page no. 29 of Volume – III, the Secured Advance is for 75% of the assessed value which may please be corrected of 90% of avoid any ambiguity during execution of work It is further requested that reinforcement steel & cement may also please be considered for including in the list of materials on which secured advance is payable.	Secured Advance shall be 90% of assessed value and is also payable for Steel reinforcement and Cement. Para - 4C on page no. 29 of Volume – III, may be read as under <i>“c. Secured advance shall be allowed by the EIC for a period of 3 Months only. Advance shall be recovered according to consumption of material in the work. Contractor shall have to sign an Indenture Bond before release of the advance.”</i>
3.3	List of Approved makes	In List of approved make, only one name of Pest Control in India is mentioned. Please intimate two of more names for Ant-termite	Terms & conditions as per tender remain unchanged.

	(Refer S.No-9 of list of Approved Make – Volume – III)	works, so that involvement of only Pest Control of India is not there i.e. later on during execution of work there should not be any requirement that Pest Control of India should give letter showing their inability for doing this work.	
3.4		In List of Approved make at S.No.-97, please consider the name of “Universal, Connect Architectural Products Pvt. Ltd. & Jindal Stainless Steel” for Stainless Steel Railing Works.	The item at S.No. 97 relate to Modular SS Railing System; Terms & conditions as per tender remain unchanged. Also refer para 13(b) Page 15 of Technical Specification Vol. III
3.5		Name of “Nitco & Kerakroma” made may please be considered for Paver Blocks at S.No.-121 of List of Approved Make	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
3.6	Vol-IV (BOQ) Item No – 1.6	Please clarify for keeping 1.6(a) for 6044 cum, & again for 1.6(b) 562 cum. Both for “all kinds of soil” separately. Can these quantities be clubbed together to make one item for deviation purpose, if any during execution of work.	Pl. refer revised BOQ-Vol-IV
3.7	Vol-IV (BOQ) Item No.-5.7	For Item No-5.7 on Page No.-13 of Volume – IV, please supply the type & make of Terracotta Coloured Tiles required for the project.	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
3.8	Vol-IV (BOQ) Item No.-7.1 (DSR Item No. 9.1.1) & item No. 7.2 (DSR Item No. 13.2.1)	The description of item no. 7.1 for door frame is not complete if compared with DSR Item No.9.1.1 (copy enclosed) which mention that Hold fast / lugs / dash fasteners is payable separately. (Similar to Item No.-7.25 of this tender document) Further Item No-7.2 (DSR Item No.-14.2) is of Repairs to Building Sub-Head & may not be required here, or intimate the type & size of Hold fast & size of CC 1:3:6 blocks required for execution item no.-7.2.	Fixing of Frame is included under Item 7.1, refer revised BOQ-Vol-IV
3.9	Vol-IV (BOQ) Item No.-7.10 (DSR-9.40.1)	This Item is for 2 nd Class Teak Wood moulded beading of 50 x 20 mm. for a qty. of 7070 meter. Then mention of 3362 qty. with unit in each is not required. Please check & clarify.	Pl. refer revised BOQ-Vol-IV
3.10	Vol-IV(BOQ) Item No.-7.27 pg no-20	The description of this item upto 12 line (“ Frame welded / sealed to the styles &...”) is as per DSR Item No.-9.120 on page no. – 163. But after wordings “style &” The description of item is quite different which may be for AHU item & wrongly typed here.	Pl. refer revised BOQ-Vol-IV

		Please check & confirm (last six lines of Item No.-9.120 on Page No. – 163 of DSR 2012 are missing in the description of above item after first 12 lines.)	
3.11	Vol-IV (BOQ) Item No.-8.13 pg no-26	In DSR 2012 this item has two sub items i.e. 10.14.3.1 & 10.14.3.2, please clarify which sub item is to be provided with item no. – 8.13(c). The sub Items No. - 8.13C can be similar to Items No. – 8.13(a) or as Item No.- 8.13(b), please check & clarify.	Pl. refer revised BOQ-Vol-IV
3.12	Vol-IV(BOQ) Item No.-13.6	In item no – 13.6 (DSR Item No.- 22.14.1). Unit is not mentioned. Please check & confirm	Pl. refer revised BOQ-Vol-IV
3.13		For Item No. 5.8, 5.9, 5.10 & 5.11 which are for Cladding Work. We shall be very much thankful if drawings showing details of Cladding Work is supplied for working out the reasonable rates. The drawings for these items are not available in the C.D of drawings	In the drawings provided with the tender (in CD), elevations for various blocks provide requirements of cladding work. Working drawing shall be issued during execution.
3.14		Please provide the P&ID, Invert Levels of ETP, STP & WTP.	P& ID for STP & ETP is attached. Also, Plumbing Site Plan is attached showing invert levels.
3.15		Please provide the sizes of STP	The sizes are indicative and the final shall be based on the scheme submitted by the vendor & approved by EIC. Equalization Tank capacity: 66 cum (approx.) MBBR Tank capacity: 37 cum (approx.) Settling Tank capacity: 14 cum (approx.) Clear Water Tank capacity: 18 cum (approx.) Sludge Holding tank capacity: 30 cum (approx.)
3.16		As per BOQ, ETP have only primary treatment, it is not possible to achieve BOD <30mg/ltr., with only chemical treatment. As well as the sewage generated from Hospital may contain the traces of Antibiotics medicines, this will after the growth of the Activated sludge. For this it is suggested to add the ozonation treatment prior to biological treatment. Also to achieve the desired parameters of ETP it is	Please refer attached P& ID for ETP & STP.

		suggested to treat the effluent in STP after the Chemical treatment. Process flow drawing of suggested treatment scheme is attached herein for reference.	
3.17		In BOQ SI No 2.10.4 and 1.13 are same (Filter Press for STP) please check.	As per revised BOQ for ETP (1.9, 1.10&1.13, items are deleted)
3.18		Please confirm the capacity & pressure of Hydro Pneumatic System.	It is mentioned in BOQ item no.3f (capacity 210 lpm and head 30m) of WTP. Pressure of 3kg/sq. cm is considered.
3.19	For Fire Alarm System	Photoelectrical type Smoke Detector with Fault Isolator – As per NFPA guidelines, fault isolator is required only after every 20 detectors then why we require inbuilt isolator. As the Fault Isolator Module is already in the BOQ as a line item.	Photoelectrical type Smoke Detector with inbuilt Fault Isolator is required at some locations where separate fault isolators cannot be maintained.
3.20	For Fire Alarm System	Mica Type Cable – Makes for the mice Tape Cable is not mentioned in the List of Makes, we are considering Bonton Mica Cable (Bonton wire and cable is already in approved make list of electrical and other systems), please approve in FAS.	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
3.21	For Building Management	Controllers – As per BOQ requirement. Controllers should be of IP based, can we quote controller supporting to RS-485, Make considered: Spyder which is there in the approved make list.	Acceptable subject to conformance to Technical Specifications .
3.22	For Nurse Call System	Please clarify Total no. of Bed Head Unit & Patient Hand Unit is given 160 nos. but we need further details like no. of Nurse Station with associated Beds.	It is mentioned in Electrical BOQ subhead VI, Nurse Call System (item no. 1.1, 1.2, 1.3).
3.23	For Nurse Call System	Please clarify, which Toilet Unit is attached from which bed Units?	It is mentioned in Electrical BOQ subhead VI, Nurse Call System (item no. 1.1, 1.2, 1.3).
3.24	For Nurse Call System	Please clarify, which Door Unit is attached from which bed Unit / Rooms?	It will be clarified in GFC drawings.
3.25	For lift work	One of our associate lift agency has pointed out that for 26 passenger the speed of lift is 1.00 MPS instead of 0.50 MPS as mentioned in BOQ for lift work at S.No.-1 (NSR Item) on Page No.-166, please check & confirm. Observation of associate agency is enclosed herewith	Terms & conditions as per tender remain unchanged. Pl. refer revised BOQ-Vol-IV.
3.26	For HVAC work		
	i)	The capacity of air cooled chiller is dependent on ambient temperature and it	Air cooled chiller performance parameters are based as per ARI

		is not clear in the tender document as well as in BOQ that at witch ambient temperature chiller capacity is given. So please provide the ambient temperature for selection of air cooled screw chiller,	test conditions. For ambient temperature refer para 3.1.2 page 202 of Technical Specifications for HVAC.
	ii)	In volume –III for Technical Specification it is mentioned that air cooled chiller shall be ARI/AHRI certified but Air cooled chiller are not ARI/AHRI globally.	Air cooled chillers should be designed as per ARI guidelines.
	iii)	The following accessories shall not be included in chiller pump. AHU, FCU and air washer as same is appearing in the BOQ separately. a) Any type of valves b) Pressure / Temperature gauge c) Control Valve d) Thermostat e) Y-Strainers f) Flexible connections. g) Electrical panel / starters	All the accessories (a to g) are already considered and quantified separately. Please refer BOQ item nos. 17 to 31 of SH: HVAC.
3.27	For Electrical Work		
	i)	Please provide the panel SLD	Please refer tender drawings supplied with tender documents.
	ii)	Please change the rating of dg set 750 kva instated of 625 kva, as approved make of list Perkins, Caterpillar, Mitsubishi & Ashok Layland are not manufacturing 625 kva DG set.	As per BOQ, DG Set with minimum rating of 625 KVA is required.
	iii)	Please clarify in such head – III DG set 1000 amp. acb with control panel required for each dg set or consider in DG synchronization panels.	It is required at both locations.
	iv)	In sub head –iv synchronization panel outgoing breaker 2 nos. 2000 amp. 4 pole ACB MDO as per B.O.Q but EDO ACB in pdf Syn. Panel drgs. So please clarify-.	Details as per BOQ to be followed.
	v)	In Sub Head — XI, all items 1.41- 1.51 fixing of fan & light fixtures but SI. No-5-1.51 supplying, storing, assembling, installation, testing & commissioning .so pls. clarify these items are including SITC or only ITC. If SITC than please provide catalog nos. of light fixtures	Pl. refer revised BOQ-Vol-IV
	vi)	Bus duct B.O.Q detail is not available in tender doc. But manufacturer names are	Work is to be executed as per BOQ.

		mentioned in approved make of list	
	vii)	Please add SPC PANEL MANUFACTURE NAME in also Sl. No.-43- feeder pillars, meter boards panels, floor panels for upto 400 amp. including switchgear.SPC already approved vendor in APFC SL-6 & LT PANELS SI- NO.- 65	Terms & conditions as per tender remain unchanged.
3.28		For WTP, STP & ETP Works: The list of observations for clarification is attached separately for consideration please	Please refer replies to the queries given herein under relevant items.
3.29		It may take time to issue the Minutes of Pre bid Meeting. Because it may not be possible to issue on Monday or Tuesday thereafter Wednesday being holiday for Mahavir Jayanti, hence date of submission may please be extended by 10 days because all the specialized agencies for special works (Like HVAC, Lift, Fire Fighting & all other L.V Electrical Works) will submit their offers only after getting Minutes of Pre bid Meeting.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
3.30	Points of observation for Clarifications for Water Treatment		
A	WTP BOQ Item No. 1/ Page 157	Pumps All pumps in this section are Kirloskar CI body pumps with SS impeller and SS shaft. Acceptable?	Pl. refer revised BOQ-Vol-IV
B	WTP BOQ Item No. 3/ Page 158	Hydro-pneumatic system Tender says only loading / unloading / assistance in testing etc. is the material not to be supplied by us / or will be provided by the owners?	Pl. refer revised BOQ-Vol-IV.
C	WTP BOQ Item No. 5/ Page 159	level controllers for raw water pumps Why 6 controllers for one set of pumps. Only one is needed.	Pl. refer revised BOQ-Vol-IV
D	WTP BOQ Item No. 6/ Page 159	Level controllers for bore well pumps How many bore well pumps are there? There can't be multiple controllers for the same set of pumps. Why sensors in filter tank and soft water tank.	Pl. refer revised BOQ-Vol-IV
E	WTP BOQ Item No. 7/ Page 159	Water level indicator Please explain exactly what is required. The description is not very understandable.	Pl. refer revised BOQ-Vol-IV
F	WTP BOQ Item No. 10/ Page 160	PRVs: Where are PRVs to be used? What is the application?	PRVs (pressure reducing valve) is to be installed in between the filtration units.

G	WTP BOQ Item No. 12/ Page 160	Multigrade filter Many kinds of specifications merged into one language and difficult to understand exactly what kind of filter is required. Same for frontal piping and multiport valve.	Pl. refer revised BOQ-Vol-IV
H	WTP BOQ Item No. 13/ Page 160	Water Filter (Activated Carbon) Same as for filter	Pl. refer revised BOQ-Vol-IV
I	WTP BOQ Item No. 14/ Page 160	Chemical dosing unit Small dosing pumps are not motor based. They only have solenoids and pulsating diaphragms.	Terms & conditions as per tender remain unchanged.
J	WTP BOQ Item No. 18/ Page 162	Water Supply pumps panel (I) The actual pumps and the starters do not match. The no. of starters asked for is very high. (II) Spare outgoing are too much. May overload the incomer feeder.	Terms & conditions as per tender remain unchanged.
K	WTP BOQ Item No. 19/ Page 162	STP Panel (i) Spare outgoing are too much. May overload the incomer feeder. (ii) Fresh water Pumps suction - discharge headers, Drain pumps discharge headers, interconnecting piping, plant room cabling, earthing, instrumentation control cabling etc. are not included here. How these items to be treated as these are required.	Terms & conditions as per tender remain unchanged. Items are considered in respective packages in BOQ.
		(iii) Are level controllers required to be placed inside the control panels or to be stand-alone units with wiring to control panels?	Level controllers are to be integrated with starters.
3.31	Points of Observation for Clarification for STP Works		
A	STP BOQ Item No. 1/ Page 139-140	Perforated Screens: - Bar screens are better options.	Pl. refer revised BOQ-Vol-IV
B	STP BOQ Item No. 2/2.1/ Page 140	Sewage Pumps: - Bronze impellers in sewage pumps?	Terms & conditions as per tender remain unchanged.
C		Sewage Pumps: - Discharge headers for these pumps are not required. Even if provided it is not operatable.	Terms & conditions as per tender remain unchanged.
D	STP BOQ Item No. 2.3/ Page 141	Sludge transfer pump: - Is it submersible pump or non-submersible pump.	Pl. refer revised BOQ-Vol-IV
E		Where is it proposed? At clarifier or at sludge holding tank.	Sludge transfer pumps are non-submersible pumps proposed at

			clarifier.
F	STP BOQ Item No. 2.8/ Page 142	FAB media and tube deck media: - The two items mentioned in one. Is the quantity required total of the two?	Pl. refer revised BOQ-Vol-IV; Quantity of this item is cumulative of FAB media for Aeration tank and PVC tubedeck media for settling tank.
G	STP BOQ Item No. 2.9.1 & 2.9.2/ Page 142	Filter Feed and softener feed pumps: - Kirloskar horizontal CI pumps acceptable?	Pl. refer revised BOQ-Vol-IV
H	STP BOQ Item No. 2.10, 2.10.1 & 2.10.3 / Page 142 & 143	Filter, activated carbon filter and water softener Same as in water treatment plant.	Pl. refer revised BOQ-Vol-IV
	STP BOQ Item No. 2.10.4 Page 144	Size of Filter Press	Pl. refer revised BOQ-Vol-IV
3.32	Points of Observation for Clarification for ETP Works		
A	ETP BOQ Item No. 1/ Page 147	Process: - Please explain the process of ETP adopted / designed.	Please refer the attached schematic drawing.
B	ETP BOQ Item No. 1.8/1.8.1/ Page 148	Equalised waste water transfer pump: - Is it normal Submersible sewage pump or a non-submersible mono-block solid handling pump?	Pl. refer revised BOQ-Vol-IV; Waste water Pumps 1)Submersible transfer pump at equalization tank 2) Non submersible monoblock centrifugal sludge transfer pump at reaction tank.
C	ETP BOQ Item No. 1.9/ Page 149	Sludge disposal pump: - Is it the same pump as included in the sludge holding tank?	Pl. refer revised BOQ-Vol-IV;
D		Sludge disposal pump: - Why a screw pump to feed centrifuge.	
E		Sludge disposal pump: - The language (impeller etc.) suggests a normal monoblock solid handling pump.	
F	ETP BOQ Item No. 1.10/ Page 149	Basket Centrifuge:- What is the capacity required for centrifuge?	Pl. refer revised BOQ-Vol-IV;
G	ETP BOQ Item No. 1.13/ Page 149	Filter press Filter press as well as centrifuge have been taken. How the both shall be used? Also; which pumps will be matched with which de-sludging equipment? There is only one set of sludge pumps mentioned in the BOQ,	Pl. refer revised BOQ-Vol-IV;

		in which screw pump word has been mentioned and the rest of the descriptions suggests otherwise?	
		Filter press: - Even if to be used, this filter press is too large for a 50 CuM / Day plant.	
H		Disinfection: - The disinfection part has not been mentioned at all. What to do for disinfection.	Pl. refer revised BOQ-Vol-IV; UV system has been added as a separate line item in STP package for disinfecting ETP water as it finally flows to STP.
I		Final Discharge: - Where is the final treated water (supernatant from clarifier) to be taken.	Please refer schematic layout.
4			
4.1		Time Schedule & Mile Stones It is seen in the Mile Stones that Site for some buildings will not be handed over at the initial stage. As per clause 5.0 for the Mile Stones in the note no.2 it is written that-	Terms & conditions as per tender remain unchanged. The site for staff quarters is linked to the completion of activities related to Guest House. In case the activities related to Guest House are completed, the handing over of site for staff quarters can be preponed. Similar clarification is applicable for academic Block.
	A	Clear Site for Staff Quarters will be given within 2 months from the date of completion of Guest House upto 1 st floor (Mile Stone No.3) i.e. = 270 (Completion Time for required portion of Guest House) + 60 days i.e. on day no. 330, whereas in Mile Stone no.5 (iii) for Staff Quarters it is written that the structure should be completed upto Ground + 2 floors on day no. 420. Which means that Foundation, Plinth and 3 Slabs (including Ground Floor Slab) is to be completed within 420 – 330 = 90 days of Handover of site for Staff Quarters. Therefore it is requested that Site for Staff Quarters should be made available within 30 days of Mile Stone No.3	
	B	Similarly for Academic portion to be built at site of existing OPD. It is mentioned that the site for construction will be made available within 60 days after completion of Mile Stone no.4(i) i.e. = 300 + 60 i.e. on day no. 360. It is requested that instead of 60 days the site for the balance portion of Academic Block should be made available within 30 days of handover of the required portions in Mile Stone no. 4(i).	
4.2	Vol-IV BOQ	The Unit should be in Cum.	Pl. refer revised BOQ-Vol-IV

	2.6 (DSR-4.19.2)		
4.3	Vol-IV BOQ NSR- 3.11	Depth of the between BITUMEN fibre board not given	Pl. refer revised BOQ-Vol-IV
4.4	Vol-IV BOQ Sl.no- 7.10 (DSR No. 9.40 & 9.40.1)	The unit should be in Running Metre. The Section of the beading is not mentioned. Is it as per 9.40.1.1	Pl. refer revised BOQ-Vol-IV
4.5	Vol-IV BOQ sl.no- 13.5 (DSR No. 22.7)	It seems that point no. (c) of the description does not pertain to this item. Please clarify.	Pl. refer revised BOQ-Vol-IV
4.6		Request for Extension of Bid submission date:- We would further like to point out that a lot of major items are bought out items to be procured from specialist agencies. Hence for proper / competitive quoting some additional time, at least for 10 days may be allowed for this exercise. In view of this we would further request you to extend the date for submission of Tender Documents from 30.04.2013 to 10th May 2013	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
5			
5.1	Water and power (SCC36e and GCC32)	We request you to provide free of cost Water and Electricity at one point within the site. Further distribution of the same shall be done by us.	Terms & conditions as per tender remain unchanged.
5.2	Existing Underground Services	Since a few structures and facilities are existing at the site of the proposed project, we presume that there would be services existing under-ground and over ground. If any such services are encountered by us during execution of the project, the same shall be diverted/ replaced by the client without any extra cost to us. Kindly confirm.	Work to be executed as per Terms & conditions of the tender.
5.3	Tree	We presume that all the necessary approval/ clearances shall be taken by you and the work shall be done by us on your behalf (if you desire so) at additional cost over and above our quoted rates.	Terms & conditions as per tender remain unchanged.
5.4	Security Deposit (GCC- Cl. Of Contract '1 A' at Page 6)	We request you to accept Security Deposit in the form of Bank Guarantee (in lieu of cash deduction from RA Bills) @5% of Contract Value which shall be valid till completion of the project	Terms & conditions as per tender remain unchanged.

5.5	Land for Site Infra-structures, Labour Camp etc. (SCC36b, page-20)	a) We also understand that sufficient space for Batching Plant with Cement Store shall also be provided at site,	Shall be provided at site as per availability of space
		b) We also request to provide space for Labour Hutments in the vicinity of the project.	Shall be provided at site as per availability of space
5.6	Space for disposal of rubbish/ malba/similar (BOQ-item no-14.9, page41)	a) Request to provide space for stacking of disposed items within the site. b) If not possible within the site, kindly provide the space in the vicinity of the site. Also please inform the distance of the space from the proposed site. c) Also provide us the dumping yard for disposal of surplus material and inform the distance of the dumping yard from the proposed project.	a) Shall be provided at site as per availability of space b) & c) Refer Technical Specifications for Earthwork given on page 4 of Vol-III of tender document.
5.7	Functioning of existing building during its construction/ renovation.	We understand that some of the existing building will be continued its function during construction as it is a Health care centre. Hence, we request you to keep the time period and extended time period, if any, accordingly.	Terms & conditions as per tender remain unchanged.
5.8	Compensation for delay (GCC- Cl. '2' at Page 7)	We request that the maximum limit of the Compensation for delay be made 5% of Tendered Value (instead of 10% on Contract value).	Terms & conditions as per tender remain unchanged.
5.9	Escalation (GCC- Cl '10CC, FA' at Page 85)	We request you to reimburse the additional/less cost due to increase/decrease in prices/wages as per CPWD clause 10CC.	Terms & conditions as per tender remain unchanged.
5.10	Basic Rate Materials (Schedule F at Page – 85 and Bill of Quantities)	a) We presume that the Basic rates FOR cost at site including all Taxes, Duties, freight etc. including local VAT (Delhi VAT) payable for local purchase of material. Kindly confirm. b) We request you for the followings : • Permissible Wastage of Cement : +3% • Permissible wastage of Reinf. steel : +4% • Finishing Items: +25%. c) Also request to consider Laps, chairs and spacer bars at actual for steel reinforcement for payment. d) We presume that the additional cost due variation in Basic Rates defined at 'a' above shall be reimbursed to us. Kindly confirm.	a) The Basic Rates, wherever required/specified shall be inclusive of all Taxes, Duties, freight etc. including local VAT (Delhi VAT). b) Terms & conditions as per tender remain unchanged. c) Terms & conditions as per tender remain unchanged. d) Terms & conditions as per tender remain unchanged.

5.11	Civil BOQ Item no-13.6, page no-39	We assume that the unit for the item will be in "Cum".	Refer Revised BOQ Vol-IV
5.12	Civil BOQ Item no-3.11, page no-9	We assume that the unit for the item will be in "Sqm" otherwise please provides the width of the joint.	Refer Revised BOQ Vol-IV
5.13	Civil BOQ Item no- 7.32(c) , page no-23	We assume that the panic bar shall be for single leaf door shutter.	Refer Revised BOQ Vol-IV
5.14	Civil BOQ Item no-1.6a &b , page no- 4	In the BOQ both the DSR item description are same. Please clarify.	Refer Revised BOQ Vol-IV
5.15	Civil BOQ Item no-4.19 , page no-7	In the BOQ the DSR item description are same but unit is Cum whereas in this BOQ it is in Sqm. Please clarify.	Refer Revised BOQ Vol-IV
5.16	Civil BOQ Item no-7 , page no-7	In the BOQ the item description are same but two different unit and quantity is given(i) each-3362, ii) meter-7070) Please clarify.	Refer Revised BOQ Vol-IV
5.17	ETP work vide BOQ item no- 1	In the BOQ the Item no1 has given 1-set whereas its details item bifurcated from 1.1 to 1.13 with unit and quantity. Please confirm that BOQ item no 1's quantity and unit shall not exist.	Refer Revised BOQ Vol-IV
5.18	Sub-Head-I : HT equipment & Transformer, Item No:-10.1	Main 11 KV HT Panel (3-panel Board HT Panel) Can we consider System House for HT Panel with VCB of approved makes as per list of makes provided?	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
5.19	Sub-Head-III : DG sets and its Auxiliary works,Item No:-1	625 KVA D.G.set As per standard manufacturer practice perkins only manufacture 600 KVA DG Sets.So please confirm whether we can quote with 600 KVA DG Set.	Please refer to reply of query 3.27 (ii) above.
5.20	Sub-Head - IX : Conduits and Wiring for Tel., MATV & Nurse Call System, Item No:-22	Please provide us the details for Panel Type-1 & Panel Type-2 for quoting the tender.	Pl. refer revised BOQ-Vol-IV; This item is only for installation so details for Panel Type-1 & Panel Type-2 are not required.
5.21	Sub-Head-XI: Fixing of Fan	1)Please confirm whether we have to only put the installation price or we have to	Pl. refer revised BOQ-Vol-IV; This item is only for installation.

	& Light Fixtures, Item No:-5	consider both SITC price for this item .Because already in item no. X Supply of fixtures we have to consider the supply of fixtures. 2) And if we have to supply these fixtures also, then please provide the catalogue no.of all the light fixtures.	
5.22	Sub-Head- XIV: Capital Items (Inverter, UPS, Solar Plant & EPABX), Item No:-3	Solar Plant 1) Please confirm Either it is grid connected or for self-consumption (captive). 2) Please provide the layout of roof plant where the plant will be installed. 3) SLD of the building including the panel where supply from the plant is to be given.	1) It is for self-consumption (captive). 2) It will be as per vendor's shop drawing to be approved by EIC. 3) This plant shall be directly feeding to certain selected DBs for which drawing shall be issued during execution.
5.23	Sub-Head- XIV: Capital Items (Inverter, UPS, Solar Plant & EPABX), Item No:-4	EPABX System 1) Please confirm how many digital extensions and analog extensions required. 2) Please provide detail specification.	The details for the EPABX system as follows: <ul style="list-style-type: none"> ▪ Switching PCM/ TDM/ IP 100% non-blocking ▪ Universal Port Architecture ▪ Flexible numbering plan ▪ In-built DOSA ▪ In-built RS 232 port for Call Billing System ▪ In-built USB port, Ethernet port. ▪ Conference system ▪ Remote Diagnostics & Maintenance ▪ Battery backup for the system ▪ Voice mail Interface with voice guides ▪ 8 Trunk lines ▪ 8 Digital Extension Lines with CLI ▪ 200 Analog Extensions circuits with CLI expandable to 512 ports. ▪ 500 Pair MDF ▪ 2Nos. PC based operator console ▪ 2 Nos PRI <ul style="list-style-type: none"> ▪ 1No. Digital key phone ▪ 1 No. Caller ID phone

5.24	Sub-Head-VIII : Circuit Cum Point Wiring, Sr.No 1 to 11	Point Wiring/Wiring for Light Plug /Power Plug/Circuit Sub-main Wiring. 1)Please confirm whether we have to consider FR PVC insulated wires or FRLS Wires because as per specification(Page- 125) the wires should be FRLS and in the BOQ it is mentioned FR PVC.	It shall be FRLS and as per CPWD specifications.
5.25	Sub-Head-VIII : Circuit Cum Point Wiring	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit with modular switch modular plate suitable GI box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc.as required.	
5.25. a	Item No 1.10.1	Group A Please confirm the length of Group-A .Whether we have to consider the length of Group-A Point as per CPWD Specification. Because as per CPWD Specification for Group-A (Short Point) the point length should not exceed 3 Meters.	CPWD specifications to be followed.
5.25. b	Item No 1.10.2	Group B Please confirm the length of Group-B. Whether we have to consider the length of Group-B Point as per CPWD Specification. Because as per CPWD Specification for Group-B(Medium) the point length should not exceed 6 Meters.	CPWD specifications to be followed.
5.25. c	Item No:-2 SH:XII	2)Please Confirm whether we have to follow as per latest IS 15652- 2006 because As per this Latest IS: the thickness of rubber mat FOR 1.1 KV System is 2 mm.	Terms & conditions as per tender remain unchanged.
5.26	Last date of submission of BID	Presently 30.04.2013 We are keen to submit our most competitive offer for the project. The submission of the offer involves Understanding, Planning, Identifying proper resources, identifying and getting competitive offers for specialized/ services works. In view of the above, We request you to extend the last date of submission at-least by 2 weeks, i.e. up-to 15.05.2013.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
6			
6.1	Page-85	Secured Advance: - We request you to	Please refer reply to para 3.2

	Cl.No. POS/ GCC & 28, 29/Tech.spec.	provide the secured advance for cement & steel also. Kindly confirm.	
6.2	Page-20 Clause No. 36e/SCC	Power & Water Kindly provide us the power & water at one point at site on chargeable basis and kindly mention recovery rate.	Terms & conditions as per tender remain unchanged.
6.3		Working Time We request that we shall be permitted to work on Holidays / Sundays and during evenings/nights in order to keep up with the schedule and the supervision shall be extended to us free of cost.	The work is to be executed in an operating Hospital complex; the successful bidder shall submit the construction programme as per which working hours / shifts shall be finalized jointly in consultation with hospital authorities.
6.4	Page- 14 Clause No. 23/ SCC	Coordination with other agencies. We shall coordinate with other agencies for smooth progress of works. However please note that if any facilities to be provided to them such as power, water, scaffolding & equipments etc., we shall be paid for the same at actuals. Kindly confirm.	Terms & conditions as per tender remain unchanged.
6.5	Page- 19 Clause No. 36/SCC	Statutory Approvals Any statutory approvals required for construction works shall be arranged by you and we have not Considered any statutory approval charges in our offer.	Terms & conditions as per tender remain unchanged.
6.6	Page- 85 Clause No. POS/GCC	Minimum Value of Bill We request you to consider the minimum bill value - Rs.1 Crore. Please confirm.	Please refer revised Schedule "F" of Vol. II attached.
6.7	Page- 86 Clause No. POS/GCC	Escalation for Prices / Wages We request you to include the clause of 10CC. Considering the duration of project. Please confirm.	Terms & conditions as per tender remain unchanged.
6.8	Page- 2 Clause No. 1/Technical specification	Service Blocks & Infrastructure Developmental including External Development works. We request you to provide plan, section & elevation drawings for the same.	Items shall be executed as per BOQ & drawings shall be provided during execution
6.9	Page-4 1.1/ BOQ	Carriage of Earth We request you to confirm the disposal is within the Site of 1 km or Outside. Kindly clarify.	As per technical Specifications for Earthwork given on page 4 of Vol-III of tender document.
6.10	Page- 5 1.10/BOQ	S/F in Plinth with jamuna Sand Kindly provide the depth of sand filling.	The required details shall be provided during execution.
6.11	Page- 6,7 4.19/BOQ	P/L in position of RMC using fly ash and cement content etc	Pl. Refer item under Revised BOQ-Vol-IV

		We request you to consider this item as single item & the grade of concrete for this item is M10 & the unit of measurement for this item is Cum. Please confirm.	
6.12	Page- 7 3.3a to i/ BOQ	Formwork We have considered steel shuttering for slabs, plywood shuttering for columns and Steel/ Plywood for beams and kindly mention the type of plywood & number of repetitions of shuttering materials.	Terms & conditions as per tender remain unchanged.
6.13	Page- 8 5.22/ BOQ	Steel Reinforcement We have presumed that laps, chair, spacer bars, etc., shall also be measured and paid separately under relevant item of work in addition to the main reinforcement.	Terms & conditions as per tender remain unchanged.
6.14	Page- 13 5.3/ BOQ	Stainless Steel cramps We request you to provide the size of SS cramps.	The BOQ Description is clear.
6.15	Page- 13 5.7/BOQ	Terracotta coloured precoated with silicon brick faced tiles Kindly provide the approved make for this item.	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
6.16	Page- 14 5.9/ BOQ	40mm thk cladding of 2nd class kali wooden frame Kindly provide the drawings for this item.	The BOQ Description is clear.
6.17	Page- 14 5.10/ BOQ	38mm thk cladding of 2nd class kali wooden frame Kindly provide the drawings for this item.	The BOQ Description is clear.
6.18	Page- 15 5.11/ BOQ	75mm thk full height partitions of 2nd class teak wood frame Kindly provide the drawings for this item.	Details are as per the BOQ Description.
6.19	Page- 15 6.2 / BOQ	Marble & Granite Work Kindly provide the shade of granite for this item.	Standard DSR item.
6.20	Page- 16 7.2/ BOQ	Chowkhat Kindly provide the size of Door chowkhat.	Standard DSR item. Refer Revised BOQ-Vol-IV
6.21	Page-17,18 7.10 / BOQ	Wooden moulded beading Kindly confirm the quantity of this item whether we have to consider the quantity 3362 each or 7070 meter and we consider the unit of measurement for this item is Rmt. Please clarify.	Refer Revised BOQ Vol-IV
6.22	Page-20 7.26 & 7.27 / BOQ	PVC Door Kindly provide the approved make for PVC Door.	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
6.23	Page- 25/ 8.11,	Steel work We request you to provide the drawings for	DSR Standard item, drawings shall be provided during

	8.12/BOQ	MS & SS Railing work.	execution.
6.24	Page- 25 8.8 / BOQ	Factory made ISI marked Steel glazed doors, windows & Ventilators Kindly provide the approved make & explain K11B & K12 for this item. We request you to kindly measure the glass under separate item.	Refer Revised BOQ Vol-IV
6.25	Page- 29 9.2 / BOQ	Flooring:- Kindly confirm the thickness of mortar for this item.	Refer Revised BOQ Vol-IV
6.26	Page- 28 9.16 / BOQ	Granite Stone flooring We request you to confirm this item is applicable for flooring or risers or treads of staircase. Kindly clarify.	Refer Revised BOQ-Vol-IV
6.27	Page- 38,39 All BOQ for this Subheading	Waterproofing work We request you to consider the local vendors for this item of work but we shall use approved makes of material only as mentioned in tender. Please confirm.	Terms & conditions as per tender remain unchanged.
6.28	Page- 40 14.4 / BOQ	Bumper Guard /Stretcher Guard Crash Rail System & Wall Guard Grab Rail /Hand Rail System We request you to provide the contact details of approved make.	Bidders to check at their end.
6.29	Page- 41 14.4c / BOQ	Doors and Fixtures for and related to Operation theatres We request you to confirm the followings 1) single leaf or double leaf sealed sliding door 2) Standard shape of vision panel 3) fully automated or fully manual operated. Please clarify. Kindly provide the approved make.	Details are as per the BOQ Description, Technical specifications and list of approved makes.
6.30	Page- 41 14.4d / BOQ	Doors and Fixtures for and related to Operation theatres We request you to confirm the followings 1) single leaf or double leaf sealed sliding door 2) Standard shape of vision panel 3) fully automated or fully manual operated. Please clarify.	Details are as per the BOQ Description, Technical specifications and list of approved makes.
6.31	Doors & Windows	Kindly provide the drawings for Doors & Windows for this project.	Drawings/details shall be provided during execution.
6.32	Page- 49 16.21 / BOQ	GI Chain link fabric fencing We request you to provide the drawings for this item.	Terms & conditions as per tender remain unchanged.

6.33	Page- 27 Clause No. 1(l) & (m)	Labour Hutment We request that any approval required for labour hutment works shall be arranged by Client. After award of contract if the labour camp is not allowed inside the site then we shall be suitably compensated. Kindly confirm.	Terms & conditions as per tender remain unchanged.
6.34	Page- 26 Clause No. 1(i)	Royalty Kindly clarify the clause.	Terms & conditions as per tender remain unchanged.
6.35	Page- 15,16 Clause No. 2.3.6 & 2.3.7/ NIT	Technical Package & Financial Package We request you to confirm whether the bid security has to be enclosed with Technical package or Financial package. Kindly clarify.	Terms & conditions as per tender remain unchanged.
6.36	Page- 53 Clause No. Form - T-1B	Form of Banker's Certificate from a Scheduled Bank We request you to confirm whether the Bank solvency certificate has to be enclosed in original addressed to tendering authority or photocopy of solvency certificate should not be older than last two months. Please clarify.	Yes, In Original.
6.37		Soil Investigation Report We request you to provide the soil investigation report for this project.	It can be seen in the office of HLL.
6.38	Page- 52 Item no. 2,3,4 / BOQ	Sanitary ware We request you to provide the model no for this item.	Standard DSR Item & same to be as per CPWD specification
6.39	Page- 53,54 Item No. 9 & 14 / BOQ	CP Fittings Approved make is given as Jaqaur. But Specification shows PTMT. Kindly confirm the final one.	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
6.40	Page- 59 Item no. 48 / BOQ	CPVC Pipe & Fittings Kindly confirm whether we have quote for SDR 11 or SDR 13.5	SDR 11 for pipes up to 50 mm dia. and SDR 13.5 for pipes above 50 mm dia.
6.41	Page- 60 Item No. 52 / BOQ	GI Pipe Kindly confirm whether we have to quote for B class or C class	Terms & conditions as per tender remain unchanged.
6.42	Page- 63 Item No. 1 / BOQ	External water supply : GI Pipe Kindly confirm whether we have to quote for B class or C class	Terms & conditions as per tender remain unchanged.
6.43	B M S / List of Approved Makes/BOQ	As per the technical specifications and approved makes the DDC controllers can be Honeywell, Siemens, Sontay but as per the BOQ it's asked for backnet/IP based DDC controller SL No:4. Can we propose DDC controller with Modbus compatibility (all the controllers will be connected by	Terms & conditions as per tender remain unchanged.

		communication cable and in turn will be communicating with router which has IP/backnet compatibility)	
6.44	B M S / List of Approved Makes/BOQ	If the controllers are Modbus based then cables SL No: 7 Communication cables CAT 5e/CAT 6 to interconnect all the controllers, to the intermediate bus duct and to the work station. RM 2000 has to be changed to supplying, surface laying of 4Cx0.75 sq.mm. PVC insulated shielded flexible cable for networking DDC's & MODBUS devices	Terms & conditions as per tender remain unchanged.
6.45	Nurses Call Bell System	Please clarify for below mentioned points. (1) Total no of bed head unit and patient hand unit is given 160 no's but we need further details like no of nurse station with associated beds (2) Which toilet unit is attached from which bed units? (3) Which door unit is attached from which bed units/rooms?	Please refer reply to query nos. 3.22, 3.23 & 3.24 Above.
7			
7.1		Bill of Quantities:- Request to provide the editable excel version of the Bill of Quantities	Rates are to be quoted on Hard copy and BOQ in PDF Format is uploaded on the designated websites.
7.2	Vol II GCC- Page-7	Compensation for delay Request to amend the clause as below: Compensation shall be 0.5% of the value of outstanding works per month of delay upto a maximum of 5% of the contract value.	Terms & conditions as per tender remain unchanged.
7.3	Vol II GCC- Page-19	Interest and recovery Request to provide interest free mobilization advance of 15% and 5% plant and machinery advance	Terms & conditions as per tender remain unchanged.
7.4	Vol II GCC & SCC Page – 85	Minimum Amount Request to modify this clause as "Minimum invoicing amount is not applicable for the first and last three months of duration of Contract"	Terms & conditions as per tender remain unchanged.
7.5		Site Infrastructure Facilities We presume that space will be provided for establishment of site infrastructure facilities like site office, batching plant, formwork yard, steel yard, labour camp etc within the site premises at free of cost. Please confirm.	Terms & conditions as per tender remain unchanged.
7.6	NIT-10CC	Escalation	Terms & conditions as per

	page No 39	We request to amend that clause 10CC is applicable for escalation for materials, labour and POL since the project duration is more than 18 months.	tender remain unchanged.
7.7	NIT-Page No 47	Form E- Power of Attorney Request to allow us to submit Corporate Power of Attorney of the authorized signatory who will be signing the bid on behalf of the Bidder instead of specific format Form E.	Terms & conditions as per tender remain unchanged.
7.8	GCC & SCC, Cl.5, Page No-84	Milestone We request to add the following lines. The withheld amount towards non achievement of milestones shall be released if the successive milestone is achieved.	Terms & conditions as per tender remain unchanged.
7.9	NIT-Page – 4 Cl. 1.3	Bid Submission date Since the works involves many specialized items of work, we request to grant minimum 2 weeks of extension for bid submission.	The last date of submission of Bids is extended from 30.04.2013 to 10.05.2013.
7.10		Soil Investigation Report Please provide Soil Investigation Report	It can be seen in the office of HLL.
7.11	Vol II GCC & SCC, Cl. 7 Page-85	Interim Payment We request to pay 75% of the Interim bill submitted within 7 days and balance 25% of each RA bill within 15 days from the date of submission of bill	Terms & conditions as per tender remain unchanged.
7.12	Vol II GCC & SCC, Cl.32 Page-42	Water Please confirm whether bore well can be digged at site.	Contractor shall be allowed to make arrangements after obtaining the approval from relevant Statutory bodies.
7.13	Cl 37, Page No-49, CPWD	Service Tax (CPWD Clause) Being a Government project, please confirm whether this clause is applicable and service tax is exempted for this project	Terms & conditions as per tender remain unchanged.
HVAC Works			
7.14	Vol-II:SCC Cl 1/Page No-1 & Cl.42/ Page No. 18	Scope of Work & Maintenance Request to confirm that the maintenance period for 12 months during DLP, is in Contractors Scope, and to remove the maintenance of 5 years after DLF, from our scope of work.	Maintenance period for 12 months during DLP is in Contractor's Scope of work. The last sentence on page 1 of SCC shall be read as under: "It also includes maintenance of these works during defect liability period." There shall be no change in SCC: Vol-II: Clause 42/ Page No. 18
7.15	Vol.-III,	AHU Enclosure/Housing: The AHU enclosure	Outer & inner skin thickness will

	Technical Specifications Page no-233 para 3.7.9 & Vol. IV. BOQ, page 117, Section B, Item No. 1	shall be double skin design with the main frame work made of extruded aluminium thermal break structural section. The panels shall be double sandwich type with 0.80 MM pre-coated galvanized sheet on the outside and 0.80 MM aluminum sheet on the inside. Thewith rubber cans. Air Handling Units for OT Areas Supply, installation, testing and commissioning of double skin modular construction, draw through sectional, Air Handling Units consisting of 0.8 mm Thick Al/SS sheet inside and 0.6 mm thick preplastisized GSS sheet from outside ...manufacturer's. Specifications & as directed by Engineer-in-charge. Please confirm the outer and inner skin thickness & material to be followed for High Static AHUs (OT AHUs).	be 0.8mm for High Static AHUs (OT AHUs). Pl. refer revised BOQ-Vol-IV
7.16	Vol-IV, BOQ Page No 118, Item No.2	Air Handling Units for ICU, PRE/POST & other Critical Areas Supply, installation, testing and commissioning of double skin modular construction, draw through Sectional, Air Handling Units withwith imported DIDW Forward / Backward curved Centrifugal fan, Squirrel cage inductionIt should be complete as per manufacturer's. Specifications & as directed by Engineer-in-charge. Please confirm the type of fan to be used. Backward or Forward Curved Centrifugal fan?	Backward curved centrifugal fans to be considered.
7.17	Vol.-III, Technical Specifications Page No-223	Variable Frequency Drives (For AHUs) We presume VFD for AHUs have been considered as a separate line item in BOQ. Hence AHU unit rates shall be excluding VFDs. Please confirm.	AHUs and VFDs are to be executed as separate items as provided in the BOQ.
7.18		Variable Frequency Drive (VFD) Supply & Fixing of Variable Frequency Drive (VFD) with transducers, control wiring etc. complete as per manufacturer's Specifications & as directed by Engineer-in-charge. Air cooled screw chillers are not AHRI certified. However computer selection sheets at design conditions will be furnished.	Air cooled chillers should be designed as per ARI guidelines.

7.19	Vol-IV, BOQ Page-119 item No.4, and, Vol.-III, Technical Specifications Page No-206, para 3.2.12	AHRI Euro vent Certification The chilling unit shall be AHRI certified as per AHRI 550 / 590 – 2003 STANDARD. All suppliers shall furnish computer printouts along with their technical bids, giving details of capacity output at design conditions as given in tender. Air cooled screw chillers are not AHRI certified. However computer selection sheets at design conditions will be furnished.	Air cooled chillers should be designed as per ARI guidelines.
7.20	Vol-IV, BOQ Page No-116	Screw Chilling Unit (Air Cooled) Supply, Installation, testing and commissioning of High Performance Screw type air cooled chilling unit of 140 TR actual..... Condenser Fan Motor shall be of 2 speed or VSD. Motor shall be suitable for 415 ± 10% V, 50Hz, 3ph AC supply etc. complete as per manufacturer's Specifications & as directed by Engineer-in-charge. As per approved manufacturers' standard, condenser fan motors are constant speed only. Please approve.	Pl. refer revised BOQ-Vol-IV
7.21	Vol-IV, BOQ Page No-116, item no.2, and, Vol.-III, Technical Specifications Page No -210, para 3.3.4	Pumps Supply, Installation, testing and commissioning of End suction back pull out pumps mono block / spilt casing pumps complete with motor, base frame, vibration isolators and other accessories Material of construction Type Horizontal / End Suction Back Pull Out Mono block. Please confirm the type of pumps to be considered. (End suction/Mono block)?	Pl. refer revised BOQ-Vol-IV
7.23	General	Motor Efficiency Class Please confirm the efficiency class of motors for Pumps, AHUs, Fans to be considered. Eff-1 or Eff-2?	Efficiency class Eff – 1 to be considered for motors for various pumps AHUs and fans.
7.24	Vol.-III, Technical Specifications Page-395, No. 12	Approved Makes 7. Air / Water Cooled Chilling Machine – Screw Chillers – Carrier / York / Trane, Hitachi / Voltas / Climaveneta /Dunham Bush / Mc Ouav. We request to add Bluestar also in the list for Air cooled screw chillers. Please confirm.	Terms & conditions as per tender remain unchanged.
7.25	Vol.-III, Technical Specifications	HVAC Contractor 1. HVAC Contractor – ETA / Bluestar / Survidha / Voltas / Mistcold / Dyna Aircon /	Terms & conditions as per tender remain unchanged.

	Page-395	<p>Sterling Wilson</p> <p>Request you to approve L&T in addition to the HVAC Contractors listed in the approved list. Some of the Hospital jobs executed by L&T on Turnkey basis: Jipmer Hospitals Pondicherry, MIOT Hospitals Chennai.</p> <p>Some of the Hospital jobs that are being executed by L&T on Turnkey basis: Aremid Hospitals, Mumbai, ESIC Hospitals Coimbatore, Kollam & Kolkata.</p>	
7.26	Vol-III, Technical Specifications for Fire Fighting Page No-353	<p>S.No. 2. Tender Drawings – No claim whatsoever shall be admissible on account of changes that may be introduced by the Engineer/ Local Fire Authority.</p> <p>Since the design is not in contractor's scope, the specific additional requirement introduced by Engineer/Local Fire Authority, will be carried on additional cost.</p>	Para 1, 2 & 3 at page 353 are clear.
7.27	Vol.-III, Technical Specifications Page-356	<p>S.No. 4. Jointing – All the welding shall be radiographically tested.</p> <p>As per TAC norms, Radiography shall be carried for 10% of underground field joints only, kindly confirm.</p>	The testing shall be as per TAC norms.
7.28	Vol-III, Technical Specifications for Fire Fighting Page – 360	<p>1.04 Fire, Sprinkler and Jockey Pumps-</p> <p>1. Pumping Sets</p> <p>a. Pumping sets shall be multi stage horizontal split casing centrifugal Pump.</p> <p>As per BOQ for Fire Fighting System - sub head-A : Fire pumps &equipment (Wet Riser system) -</p> <p>S.No.1 & 2. Indicates - Horizontally mounted End suction centrifugal pump, Please clarify on the Pump types to be considered for main Electric & Diesel engine drives</p>	Terms & conditions as per tender remain unchanged.
7.29	Vol-III, Technical Specifications for Fire Fighting Page – 363	<p>1.06 Fire, Sprinkler and Jockey Pumps-</p> <p>2. Diesel Engine</p> <p>a. The engine shall be water cooled and shall include heat exchanger and connecting piping.</p> <p>As per BOQ for Fire Fighting System - sub head-A : Fire pumps &equipment (Wet Riser system) -</p> <p>S.No.2-b. Indicates - Air Cooled Diesel engine of speed 1800 RPM pump, Please clarify on Cooling arrangement, i.e. Air Cooled(Radiator type) or Water Cooled (Heat Exchanger type) Diesel engine pump set</p>	Terms & conditions as per tender remain unchanged.

7.30	Vol-III, Technical Specifications for Fire Fighting Page – 364	<p>1.06 Fire, Sprinkler and Jockey Pumps- 3. Operating Conditions for Fire & Sprinkler pumps Operating pressure 10.0kg/sq.cm Jockey pump Cut in 9.0 kg/sq.cm & Cut out 7.0 kg/ sq.cm Since the System Pressure as per Pumps design indicated in BOQ is 75 Mtrs head (7.5Kg/Sq.cm), Pump cannot develop the operating pressure of 10 Kg/Sq.cm, and the maximum operating/system pressure is 7.5kg/Sq.cm, BOQ and specification are contradictory in nature, kindly clarify</p>	<p>Item shall be executed as per BOQ. Operating conditions for various pumps (P-364, Sr. No.3, Tech Specs, Vol-III) are modified as follows: Operating Pressure: 7.5 kg/Sqcm Jockey Pump: Automatic start at 6.5 kg/sqcm pressure & automatic stop at 7.5 kg/sqcm pressure Fire Electric Pump 1: Automatic start at 6 kg/sqcm & manual stop Fire Electric Pump 2: Automatic start at 5 kg/sqcm & manual stop Diesel Engine Pump: Automatic start at 4 kg/sqcm & manual stop</p>
7.31	Vol-III, Technical Specifications for Fire Fighting Page – 356	<p>S.No. 4. Jointing: – Joint for black steel pipes and fittings shall be metal to screw grid up to 50 mm dia and above 65 mm dia welded joints. A small amount of red lead may be used for lubrication and rust prevention in threaded joints. Hold tight will be used for threaded pipes joint. Please confirm whether we can consider Forged socket welded fittings as per IS:4712 for the pipe sizes Dia 50mm & below, and Butt welded fittings from Dia 65mm & above confirming to IS:1239 part II</p>	<p>Terms & conditions as per tender remain unchanged.</p>
Fire Alarm System			
7.32	Vol-III, Technical Specifications for Fire Fighting Page – 392	<p>List of Approved make of Material 5. Fire Alarm System 1. Fire Alarm System Zicom, Firepro, Honeywell, Slemens, Schneider, Bosch 2. Fire Alarm Detectors, Hooters, Manual Call Point UL Listed MORLAY/SIEMENS FIRE FINDER/ANSUL/ Notifier / IFC (Johnson Control) S.No. 1 & 2 - Makes of Panel/Devices are contradictory as the makes are not same inline with Fire Panel & Devices integration,</p>	<p>Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.</p>

		we intend to propose the following makes for Fire Alarm Panel & Devices - Honeywell / Siemens / Schneider / Bosch / Notifier / IFC (Johnson Control)	
Building Management System			
7.33	Technical Specifications for BMS	BMS I/O Summary (Data Point Summary) is not available in BOQ/Drawings, kindly provide us the same for pricing	Please refer Technical specifications for BMS I/O summary (Page no.-319-349)
Electrical Works			
7.34	Technical Specifications Transformers	Kindly confirm the type of insulation for transformer	Please refer Technical specifications Vol.III
7.35	Vol-III, Technical Specifications P/123	LT Cables & Wires:- The technical specifications calls for FRLS copper wires whereas the BOQ calls for FR copper wires for internal wiring. Kindly confirm the type of wire to be used. FR or FRLS.	It is to be FRLS and as per CPWD specifications.
7.36	Vol-III, Technical Specifications for P/123	LT Cables & Wires:- The technical specifications call for FRLS cables whereas the BOQ calls for normal XLPE cables. Kindly confirm the type of cable to be used.	It is to be PVC FRLS inner sheath.
7.37	Vol-IV, BOQ Page – 99	Sub Head - XI : Fixing of Fan & Light Fixtures 5) Supplying, storing, assembling, installation, testing & commissioning of following prewired light fixtures. Kindly confirm if supply of light fixtures is also in scope. If yes kindly furnish the Catalogue Nos. of the light fixtures.	Pl. refer Revised BOQ-Vol-IV
7.38	Vol-IV, BOQ Page – 99	Sub Head - X : Supply of Light Fixtures Flood Light Luminaire with 150W MHN-TD lamp complete with mounting bracket. (Philips Cat. NO. MWF 231 AK/150W or equivalent). Kindly furnish an equivalent Catalogue No. for the light fixture since the same is not available in Philips Latest Pricelist.	Pl. refer Revised BOQ-Vol-IV
7.39	Vol-IV, BOQ Page – 168	Sl. No.4) 13 Passenger Lifts Request you to kindly furnish the complete BOQ for the same since it is missing in the BOQ.	Pl. refer Revised BOQ-Vol-IV
7.40	Page – 391	List of approved make 90). Sandwiched Bus duct Siemens, ABB, Schneider, C&S Electric, L&T The BOQ for Sandwich Busduct is not available. Kindly confirm if Busduct is	Items are to be executed as per BOQ.

		included in the scope of works of the contractor.	
7.41	Page – 389	List of approved make DB's:- Havells, Indoasian, Legran, Hager, Schneider, ABB Request you to kindly include L&T in the approved list of make.	Terms & conditions as per tender remain unchanged. .
7.42	Page – 388-389	List of approved make 1)11KV VCB Panel & 51) HT Panel Sl. No. 1 & Sl. No. 51 of List of list of approved make calls for different makes for HT panel. Kindly confirm the make to be considered.	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
7.43		List of approved make; HT Panels Kindly confirm if system integrators of ABB, Siemens & Schneider can be considered.	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
7.44	Page – 388-389	List of approved make 2)11KV 433V OLTC oil Type Transformer, 101) Transformer Oil Type/distribution. Sl. No. 2 & Sl. No. 101 of List of list of approved make calls for different makes for transformer. Kindly confirm the make to be considered.	Pl. refer the “Amendment to the List of Approved Makes of Materials” enclosed.
7.45	SUB-HEAD- XV	HORTICULTURE & LANDSCAPING WORKS Provide Landscaping Work Drawings	Drawings/details shall be provided during execution
7.46	SH 15, Item No. 15.6 (DSR No.23.1)	Kindly provide the type of grass (name of grass)	DSR item & same to be as per CPWD specification.
7.47	SH 15, Item No.15.14 e, f, g	Kindly provide the height of the tree	Pl. refer Revised BOQ-Vol-IV
P H E			
7.48	Item No. 2.9.1 STP-BOQ/ Page – 4(142),	soft water transfer pump (Flow Rate 2.0 lps) Kindly provide us head for the pump.	Pl. refer Revised BOQ-Vol-IV
7.49	Item 1(b) WTP Page 157 STP-BOQ/ Page -5	Flushing water transfer pump (Flow Rate 3.0 lps) Kindly provide us head for the pump.	
7.50	Item 1(c) WTP Page 157 STP-BOQ/ Page -6	Flushing water transfer pump (Flow Rate 5.0 lps) Kindly provide us head for the pump.	
7.51	BOQ item No.17.1 (DSR No. 24.1.1.2)	Boring drilling of borewell We understand that the items call for boring & drilling only. We presume that Pipe will be	Terms & conditions as per tender remain unchanged. .

		measured separate. Please confirm	
7.52	BOQ item No. 17.2 (DSR No.24.2.1.2)	Boring drilling of borewell We understand that the items call for boring & drilling only. We presume that Pipe will be measured separate. Please confirm.	Terms & conditions as per tender remain unchanged. .
7.53		Sanitary Fittings:- Since the sanitary fittings have the wide range from low end to high end, We request you to provide the specific model No for each item.	Terms & conditions as per tender remain unchanged. .
7.54	BOQ item No.Item 18.12	Internal Drainage: - Providing & Fixing G.I. Pipes. Kindly provide the class medium or heavy	Terms & conditions as per tender remain unchanged. .
7.55	BOQ item No.Item -18.8	Internal water supply: - Providing & Fixing CPVC Pipes. Kindly provide the class SDR 11 or SDR 13.5.	Please refer reply to query no. 6.40 Above.
7.56	BOQ item No.Item- 18.7	Internal water supply: - Providing & Fixing CPVC Pipes. Kindly provide the class SDR 11 or SDR 13.5	
7.57	BOQ item No.Item - 18.9	Internal water supply: - Providing & Fixing CPVC Pipes. Kindly provide the class SDR 11 or SDR 13.5.	
7.58	BOQ item No.item- 18.12	Internal water supply: - Providing & Fixing CPVC Pipes. Kindly provide the class medium or heavy.	Terms & conditions as per tender remain unchanged. .
7.59	BOQ item No.Item No.- 18.12	EXTERNAL water supply: - Providing & Fixing G.I. Pipes. Kindly provide the class medium or heavy	Terms & conditions as per tender remain unchanged. .
7.60	BOQ item No.NSR	EXTERNAL water supply: - Providing & Fixing G.I. Pipes. Kindly provide the class medium or heavy	Terms & conditions as per tender remain unchanged. .
7.61		Sewage Treatment plant We understand that civil works for construction of sewage treatment plant is not included in this item. Hence, we are not considering civil works for this item. Kindly confirm.	Please refer reply to query at S.No. 3.15 above.
8			
8.1		Approval for Tree Cutting: During Site Visit, we have seen numbers of trees are within the site premises. We understand that the approvals for tree cutting and cutting of the same are not in the scope of this package. Kindly confirm.	Terms & conditions as per tender remain unchanged.
8.2	Page-19 clause No.36,	Statutory Requirement/Approvals: As per clause No.36, SCC, Page No.19, the	Terms & conditions as per tender remain unchanged.

	SCC,	<p>contractor shall obtain all necessary approvals from Municipal and other local bodies including Municipal Bodies, Water Supply Agencies Concerned, Electric Supply and inspectorate, Agencies concerned, Police and Security Agencies, Chief Controller of Explosives, Fire Department, Civil Aviation Department, Concerned in accordance to prevailing rules, Building Bye-Laws etc. related to construction/completion. In addition to this, the contractor shall obtain occupancy certificate from the concern authorities.</p> <p>Being a private entity, it is very difficult to the contractor to arrange these approvals. We request you to amend this clause, and make provision for construction activities approval only in the scope of contractor. All other approval shall be arranged by clients himself.</p>	
8.3	clause 36 (a & b)	<p>Land for Batching Plant, Temporary Structure, Office, Godown & Yards: As per clause 36 (a & b), we understand that the land will be made available and provided by the clients for the above said purpose within the site premises free of rent. This land shall be handed over to clients after completion of the project duly cleaned.</p>	Terms & conditions as per tender remain unchanged.
8.4	clause 36 (g)	<p>Temporary Fencing: As per clause 36 (g), the contractor shall at his own expense, erect and maintain in good condition temporary fence all around the working area. During site visit, we have seen that the whole site is already covered with boundary wall/fencing. Kindly confirm whether the contractor shall repair the boundary wall or make temporary fencing only in the area where the construction activities will start.</p>	Terms & conditions as per tender remain unchanged.
8.5	clause 36 (c)	<p>Land for Labour Camp: As per clause 36 (c), the contractor shall make arrangements at his own expense for labour camp/accommodation for labour and staff. Keeping in view of site conditions, it will be very difficult to transport the labour from outside to construction site and this will also hamper the work progress. Hence, we request you to allow the labour hutments within the site premises which will be return to the clients</p>	Terms & conditions as per tender remain unchanged.

		after completion of work duly cleaned.	
8.6	schedule-F, Clause 10CC	Escalation: As per schedule-F, Clause 10CC is not applicable. Keeping in view of the volatile market conditions and duration of the project i.e. 22 months, this will not practical to make fixed price contract and make provision of escalation under clause 10CA only for Cement and Steel. As per practice in major government departments like CPWD, the project where duration is more than 18 months, the provision of clause-10CA and Clause 10CC both are applicable. We request you to introduce Clause 10CC in addition to Clause-10CA in this package, so that we are able to submit most competitive bid.	Terms & conditions as per tender remain unchanged.
8.7	schedule-F, Clause 7	Minimum RA Bill: As per schedule-F, Clause 7, minimum RA billing is Rs.3.00 Crores. In the initial mobilization period i.e. first 2-3 months it will difficult to achieve this target. We request you to relax this condition for first three months.	Please refer revised Schedule "F" of Vol. II attached.
8.8	BOQ Item No.1.1	Disposal of Surplus Earth: As per BOQ Item No.1.1, carriage of good earth. Kindly confirm whether the land for disposal of surplus earth shall be provided by clients within 1 KM. Kindly confirm	Terms & conditions as per tender remain unchanged.
8.9	BOQ Item No.6.10 (DSR No.9.40)	Wood and PVC Works: As per BOQ Item No.7.10 (DSR No.9.40), the quantity of wooden moulded beading to door and windows frames with iron screws, plugs and priming coat on unexposed surface etc. given as "Each – 3362". We understand that this is misprint and Quantity of "7070 Meter" mentioned under DSR Item No.9.40.1.2 is correct and applicable for this item. Kindly confirm.	Pl. refer Revised BOQ-Vol-IV
8.10	BOQ Item No.13.6 (DSR No.22.14, 22.14.1)	Water proofing Work: As per BOQ Item No.13.6 (DSR No.22.14, 22.14.1), the unit of the item is not mentioned. We understand that the unit for this item should be "Cum". Please confirm.	Pl. refer Revised BOQ-Vol-IV
8.11		Working hours at site: Since the proposed site is located in the heart of city, please confirm whether, there is any restriction on working hours.	The work is to be executed in an operating Hospital complex; the successful bidder shall submit the construction

			programme as per which working hours / shifts shall be finalized jointly in consultation with hospital authorities.
8.12		Construction Water: During site visit, we have found that a tube well/existing water line of DJB is available in working conditions at site. We request you to confirm whether we can use the same during execution or not.	Terms & conditions as per tender remain unchanged.
8.13	Page No.16, Volume-I, ITB, Clause-2.3.7	Taxes: Please refer Clause-2.3.7, Contents of Financial Package (i), Page No.16, Volume-I, ITB, the prices of the bidder should include all costs associated with the project including any out of pocket/mobilization expenses, taxes, charges, levies, Cess, VAT, including Service Tax etc. as applicable till the date of NIT. Kindly confirm whether the service tax will applicable or not, as we understand that this is Institutional/Hospital project of Government of India and service tax will not applicable on this project.	Terms & conditions as per tender remain unchanged.
8.14	Page No.92-93 BOQ Item No.1 to 11 under sub-head-VIII:	Circuit cum Point Wiring: Please refer BOQ Item No.1 to 11 under sub-head-VIII: Circuit Cum-Point Wiring, Page No.92-93, In the BOQ items, it is mentioned that FR PVC insulated copper conductor single core cable whereas in the technical specification it is mentioned that FRLS Wires. Kindly Confirm whether we can consider FRLS or FR PVC wire in these items.	It is to be FRLS and as per CPWD specifications.
8.15	Page No.92. BOQ Item No.2, (1.10), under sub-head-VIII:	Circuit cum Point Wiring: Please refer BOQ Item No.2, (1.10), under sub-head-VIII: Circuit Cum-Point Wiring, Page No.92. The length of point wire is not mentioned in the technical specification. Kindly confirm whether we have to consider the length of wiring as per CPWD standard Specifications.	As per CPWD specifications.
8.16	Page No.96. BOQ Item No.22 under sub-head-IX,	Conduits and Wiring for Telephone, MATV, Nurse Call System: Please refer BOQ Item No.22 under sub-head-IX, Conduits and Wiring for Telephone MATV & Nurse Call System, Page No.96. We request you to provide the details for panel Type-1 and Panel Type-2.	Please refer reply to Query no.5.20 above.

8.17	Page No.99 BOQ Item No.5	Fixing of Fan & Light Fixtures: Please refer BOQ Item No.5, Page No.99, under sub-head-XI, Fixing of Fan & Light Fixtures. Under this Item, the item description contains supplying, storing, assembling, installation, testing and commissioning while the heading of this sub-head is only fixing. Please confirm whether we have to put the installation cost under this item or we have to consider both Supply and Installation cost for this item. As the supply of these items have already given under sub-head No.X - Supply of Fixtures. Please confirm the same.	Please refer reply to Query no.3.27 (v) above.
8.18	Page No.102 BOQ Item No.3,	Capital Items: Please refer BOQ Item No.3, Page No.102, under sub-head-XIV, Capital Items. Please confirm either it is grid connected or for self-consumption (captive). Please confirm.	Please refer reply to Query no.5.22 (1) above
8.19	Page No.102 BOQ Item No.4,	EPABX System: Please refer BOQ Item No.4, Page No.102, under sub-head-XIV, Capital Items. Please provide the complete details like number of digital extensions and analog extensions required along with technical specifications for the system.	Please refer reply to Query no. 5.23 above
8.20	Page No.102. BOQ Item No.1, (NSR), under sub- head-XV:	Safety Equipment: Please refer BOQ Item No.1, (NSR), under sub-head-XV: Safety Equipment, Page No.102. As per BOQ item the rubber mat rating required 15 KV grade while as per IS 15652-2006 after 11 KV next voltage range is 33 KV for rubber mat. Please amend it 11 KV rating instead of 15 KV. Similarly, in the Item No.2, please allow us to follow the IS 15652-2006.	1) Pl. refer Revised BOQ-Vol-IV 2) Terms & conditions as per tender remain unchanged. .
8.21		Extension of time: As per tender document/NIT, the due date of submission of tender is 30.04.2013 which is too short. The tender being a composite work involving lot of inputs and require coordination with the vendors for various specialized items like internal & external Electrical works, Plumbing & Sanitary Installations, HVAC, local market survey and collection of rates for major bought out items. Keeping in view of the above, you are requested to kindly consider our request for extension of time of at least 10 days from 30.04.2013 i.e. upto 10 th May, 2013, so that	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.

		we are able to submit our most competitive bid for your above cited prestigious project.	
9			
9.1		Soil Report:- Soil report/Bore log data may please be provided.	It can be seen in the office of HLL.
9.2		BOQ soft copy:- Soft copy of BOQ in XLS format may please be provided for easy: calculation purpose	Rates are to be quoted on Hard copy and BOQ in PDF Format is uploaded on the designated websites.
9.3	Vol-IV BOQ	BOQ page missing:- Page No 169 is not there in the Soft copy. Please clarify	Pl. refer Revised BOQ-Vol-IV
9.4	Vol-I page 41 & 42	EMD format: - EMD BG Format 4rth line says that, payment to be made to MoHFW, but as per page 42 1st line of last para the payment shall be made to MOHFW/HLL. Banker wants clarification whom to make the payment.	In the name of HLL (Revised format enclosed)
9.5	Cl.19H GCC Vol-II P/35. Cl.36c Vol-II SCC page 20	Space for Labour Hut Land for labour hut may please be provided by you.	Terms & conditions as per tender remain unchanged.
9.5	Cl.37.i Vol-II GCC page 46	Service Tax Service Tax: Cl.No.37.i Vol-II GCC page 46 Service Tax is not applicable. Please confirm.	Terms & conditions as per tender remain unchanged.
9.6	Cl.7 Vol-II, Schedule-F page 85	Minimum billing Initial and last three bill should not be considered under this, clause for which bill shall be submitted at actual work done.	Please refer revised Schedule "F" of Vol. II attached.
9.7	Time extension	'Please extend the time for submission of tender by 15 days at least to enable us to collect rates for various bought out items	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
9.8	Escalation for MEP item	10CA, Vol-I page 19, 20 Provision for Price variation for bought items along with MEP items may please be provided	Terms & conditions as per tender remain unchanged.
10			
	Commercial Bid Quarries		
10.1	SCC, Page-1, Vol-3	Maintenance period As per scope of contract given in SCC, Contractor has to take care of maintenance of works during DLP & subsequently for a period of 5 years. Please clarify the scope of O & M for 5 years. Also, confirm whether this amount will be taken into account for bid evaluation or not?	Please refer reply to query at 7.14 above

10.2	10, Vol-1	Penalty on delay As per tender document, LD is subjected to a maximum limit of 10% of the accepted tender value. You are requested to reduce the limit to 5% of contract value which is in normal practice.	Terms & conditions as per tender remain unchanged.
10.3		Service tax As it is a Government project, we understand that service tax is exempted, Please confirm.	Terms & conditions as per tender remain unchanged.
10.4	'Clause-1A, Vol-2, Page-6	Release of security deposit As per clause, Security deposit can be released against bank guarantee. In case, BG is not submitted, then what is the procedure of release of security deposit?	Terms & conditions as per tender remain unchanged.
10.5	'Clause 10B (ii), Vol-2, Page-18	Mobilisation Advance You are requested to pay interest free mobilisation advance @15% of Contact value.	Terms & conditions as per tender remain unchanged.
10.6	'Schedule-F	Escalation As the project duration is exceeding 18 months, you are requested to pay escalation amount on the basis of Clause 10CC.	Terms & conditions as per tender remain unchanged.
10.7		Space for Contractor's infrastructure, store, labour hutment Client shall provide space for temporary infrastructure, material storage, labour hutment free of cost to the Principal Contractor.	Terms & conditions as per tender remain unchanged.
10.8	'Schedule-F	Milestone As per schedule-F, if contractor fails to achieve the given intermediate milestones, mentioned amount will be held whereas as per clause 1.26 vol-1, page-10, penalty shall be imposed on delays after the completion period is over. So, kindly clarify.	The clause No.1.26.1 at page 10 of NIT, Vol.I stands deleted.
	Technical Bid Queries		
10.9	Page-13 Item No. 5.7	Stone work & wall cladding: - Please provide the approved make terracotta tiles.	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
10.10	Page-14 Item No. 5.1	Stone work & wall cladding: - Please provide the drawing of cladding work.	Item description is clear, Drawing shall be provided during execution
10.11	General	Soil Investigation Report: - Please provide the soil investigation report.	It can be seen in the office of HLL.
10.12	Page- 72 Item No : 10.1	BOQ : Sub-Head-I : HT Equipment & Transformer Can we consider System House for HT Panel	Please refer to reply of query no. 5.18 above

		with VCB of approved makes as per list of makes provided?	
10.13	Page- 390 Technical specifications : Make List	DG Sets Package As per standard manufacturer practice Perkins only manufactures 600 KVA DG Sets. So please confirm whether we can quote with 600 KVA DG Set.	Please refer to reply of query no. 3.27 (ii) above
10.14	Page- 91,92,93 Sr. No. 1 to 11	Sub-Head-VIII : Circuit Cum Point Wiring Please confirm whether we have to consider FR PVC insulated wires or FRLS Wires because as per specification(Page- 125) the wires should be FRLS and in the BOQ it is mentioned FR PVC.	Please refer to reply of query no. 5.24 above
10.15	Page- 92 Item No 1.3.3	Sub-Head-VIII : Circuit Cum Point Wiring Please confirm the length of Group-C. Or we have to consider the length of Group-C Point as per CPWD Specification. Because as per CPWD Specification for Group-C (Long Point) the point length should not exceeds 10 Meters.	As per CPWD specifications.
10.16	Page- 92 Item No 1.10.1	Sub-Head-VIII : Circuit Cum Point Wiring Please confirm the length of Group-A. Whether we have to consider the length of Group-A Point as per CPWD Specification. Because as per CPWD Specification for Group-A(Short Point) the point length should not exceeds 3 Meters.	Please refer to reply of query no. 5.25 (a) above
10.17	Page- 92 Item No 1.10.2	Sub-Head-VIII : Circuit Cum Point Wiring Please confirm the length of Group-B. Whether we have to consider the length of Group-B Point as per CPWD Specification; Because as per CPWD Specification for Group-B (Medium) the point length should not exceeds 6 Meters.	Please refer to reply of query no. 5.25 (b) above
10.18	Page- 96 Item No. 21 (last item)	BOQ : Sub-Head - IX : Conduits and Wiring for Tel., MATV & Nurse Call System Please provide us the details for Panel Type-1 & Panel Type-2 for quoting the tender.	Please refer to reply of query no. 5.20 above
10.19	Page- 99 Item No. 5	Sub-Head-XI: Fixing of Fan & Light Fixtures Please confirm whether we have to only put the installation price or we have to consider both SITC price for this item. Because already in Item no.X; we have to consider the supply of fixtures.	Please refer to reply of query no. 3.27 (v) above.
10.20	Page- 99 Item No. 5	Sub-Head-XI: Fixing of Fan & Light Fixtures And if we have to supply these fixtures also, then please provide the catalogue no. of all	

		the light fixtures.	
10.21	Page- 102 Item No. 3	Sub-Head-XIV: Capital Items (Inverter, UPS, Solar Plant & EPABX) i) Please confirm Either it is grid connected or for self-consumption (captive). ii) Please provide the layout of roof plant where the plant will be installed. iii) SLD of the building including the panel where supply from the plant is to be given.	Please refer to reply of query no. 5.22 above
10.22	Page- 102 Item No. 1	Sub-Head-XV: Safety Equipment i) Please confirm the voltage rating of Rubber Mat. Since the system is of 11 KV the rubber mat rating should be 11 KV Instead of 15 KV. Also as per IS 15652-2006 after 11 KV next voltage range for rubber mat is 33 KV. ii) Please Confirm whether we have to follow as per latest IS 15652- 2006 because As per this Latest IS: the thickness of rubber mat for 11 KV System is 2.5 mm.	1) Please refer to reply of query no. 8.20 above. 2) Terms & conditions as per tender remain unchanged.
10.23	Page- 102 Item No. 2	Sub-Head-XV: Safety Equipment Please Confirm whether we have to follow as per latest IS 15652- 2006 because As per this Latest IS: the thickness of rubber mat for 1.1 KV System is 2 mm.	Terms & conditions as per tender remain unchanged.
10.24	Page- 109 Item No. 4.2	Subhead III - Addressable FA System As per NFPA (National Fire Protection Association) guidelines, fault isolator is required only after every 20 detectors then why we require inbuilt isolator for every detector, as the Fault Isolator Module is already in the BOQ as a line item.	Please refer to reply of query no. 3.19 above.
10.25	Page- 111 Item No. 15	Subhead III - Addressable FA System Makes for Mica Tape Cable is not mentioned in the List of Makes. We are considering Bonton Mica Cable (Bonton wire and cable is already in approved make list of electrical and other systems), please approve in FAS also.	Please refer to reply of query no. 3.20 above.
10.26	Page- 163 Item No. 3	Building Management System As per BOQ requirement, Controllers should be of IP based, can we quote controllers supporting to RS-485. Make considered: Spyder which is there in the approved make list.	Please refer to reply of query no. 3.21 above.
10.27	Sub-Head - IX : Conduits	Please clarify for below mentioned points : i) Total no. of Bed Head Unit & Patient Hand	i) Please refer to reply of query no. 3.22 above.

	and Wiring for Tel., MATV & Nurse Call System	Unit is given 160 nos. but we need further details like no. of Nurse Station with associated Beds. ii) Which Toilet Unit is attached from which Bed Units? iii) Which Door Unit is attached from which Bed Units/Rooms?	ii) Please refer to reply of query no. 3.23 above. iii) Please refer to reply of query no. 3.24 above.
11			
11.1	Item No. 4.19 Civil BOQ	RMC is mentioned in Item description can we use site machine mix concrete.	Terms & conditions as per tender remain unchanged.
11.2	Item No. 3.1 & 3.2 Civil BOQ	The grade of concrete is mentioned in nominal mix. Can we use design mix concrete to reduce the cost of project.	Terms & conditions as per tender remain unchanged.
11.3	Item No. 3.15 & 3.19 Civil BOQ	The cement concrete given is same for the both items deposit the items use with and without fly ash. Please check & confirm.	Terms & conditions as per tender remain unchanged.
11.4	Item No. 4.1, 4.2 & 4.6 Civil BOQ	Please replace these items with fly ash bricks instead of FPS Bricks since the availability of these bricks are not sure in future.	Terms & conditions as per tender remain unchanged.
11.5	Item No. 4.5 & 4.6 Civil BOQ	The quantities of both the items are same. Please check and confirm	Terms & conditions as per tender remain unchanged.
11.6	Item 5.5 & 5.9 Civil BOQ	Please provide the detailed drawing for the items.	Pl. refer Revised BOQ-Vol-IV
11.7	Item No. 9.10, 9.13 & 9.14 Civil BOQ	Please provide the size of tiles.	Pl. refer Revised BOQ-Vol-IV
11.8	Item No. 12.9 Civil BOQ	The glass shall be Toughened instead of float glass for double glazed hermetically sealed glass.	Terms & conditions as per tender remain unchanged.
11.9	Item No. 16.4 Civil BOQ	The given quantity for laying of WBM seems to be on lower side with respect to the given quantity of supplied material. Please check and confirm.	Pl. refer Revised BOQ-Vol-IV
11.10	11KV VCB Panel, Elect. BOQ	Please provide additional makes i.e. Ambit, Tricolite, Advance	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
11.11	Vol. IV, BOQ-RMU	Please provide make of RMU	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
11.12	General	Provide Technical Data Sheet of Transformer.	Vendor shall provide Technical Data Sheet of Transformer for approval before execution of work.

11.13	General	Please extend the submission date of tender for at least 15 days.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
12			
12.1		Soil Investigation Report:- We request you to provide soil site investigation report.	Please refer to reply of query no. 6.37 above.
12.2	Vol. II, Section II, Page- 18, 19 Clauses of Contract, 10 B (ii) & (iv),	Mobilisation Advance We request you to provide interest free mobilisation advance	Terms & conditions as per tender remain unchanged.
12.3	Vol. II, Section II Page- 6 Clauses of Contract, 1A,	Recovery of Security Deposit We request you to allow us to submit the security deposit in the form of Bank Guarantee instead of deducting it from RA Bills.	Terms & conditions as per tender remain unchanged.
12.4	Preamble to BOQ Page- 1 Clause No. Sr. No. 07	Issue of Architectural & Structural Drawings We request you to issue the architectural & Structural Drawings for the study purpose either in soft copy or hard copy.	Tender drawings have been provided in the CD. The working drawings shall be issued during execution.
12.5	Vol. I, ITB Page- 14 Sec. II, 2.3.4 (iii),	Extension of Submission Date We request you to extend the date of submission of Tender to 15.05.2013	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
12.6	GCC Clause No. 2, Page- 7	Compensation for Delay We request you to limit the compensation for delay, maximum up to 5% of the tendered value of the item or group of items of work.	Terms & conditions as per tender remain unchanged.
12.7	Vol. II, SCC Page- 20 Cl.No. 36 C	Space for Labour Hutment We request you to provide sufficient free space for labour hutments within/ nearby site premises.	Terms & conditions as per tender remain unchanged.
12.8	Vol. I, Sec. V Page- 36 Sec. V	Evaluation Process Please specify the duration of Evaluation Process including probable dates of declaration of the technical evaluation and Financial Evaluation	Terms & conditions as per tender remain unchanged.
12.9	Clauses of Contract, Vol. II, Page- 19- 25 Clause No. Cl. 10C, 10 CA & 10CC	Payment due to increase/ decrease in prices/ wages We request you to make provision of 10CC applicable along with the clause 10CA	Terms & conditions as per tender remain unchanged.

12.10	Vol. IV, Page-7-11, Item No. 3.0	Reinforced Cement Concrete Work Please specify whether crushed sand is allowed in the PCC & RCC grades and if allowed, its percentage in the concrete.	Terms & conditions as per tender remain unchanged.
13			
13.1	Item No. 2.5(DSR No. 4.19.2) SH-II, Concrete Work	The Item to be executed as per BOQ is M-10 Grade plain cement concrete (cement content considered @ 220kg / cum). Under this head, the total Qty. has been mentioned in Sqm. whereas it should be in Cum. Kindly clarify.	Pl. refer Revised BOQ-Vol-IV
13.2	Item No. 4 under Bill of Quantities for Lifts	The item to be executed as per BOQ is 'Supplying, installing, testing & commissioning of 13 passengers (884 kg).....as directed by Engineer-in-Charge'. Under this Head, Unit as well as Qty. have not been mentioned. Kindly clarify.	Pl. refer Revised BOQ-Vol-IV
13.3		Request you to please extend the date of submission of tender for two weeks' time from the date of submission of tender to enable us to carry out the necessary spadework and participate in the tender.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
13.4	Vol I, Sec 1, NIT, Clause 1.4(d): Eligibility Criteria	"Similar work has been defined wherein furnishing complete including internal and external services like plumbing, electrical, HVAC & firefighting system etc. The clauses also says that in case the bidder does not have the experience of major specialized works like plumbing, HVAC, Electrical etc. such specialized work shall be carried out by specialized agencies as directed detailed in clause 1.16 of NIT. Kindly clarify if the bidding agency should have specialized work like plumbing, HVAC, Electrical in the experience list of completed works to meet the eligibility criteria.	Terms & conditions as per tender remain unchanged. The last line of para 1.4(d) (i) i.e. similar works may be read as under: "in case the bidder does not have the experience of major specialized works like plumbing, HVAC, Electrical etc. such specialized work shall be carried out by specialized agencies as detailed in clause 1.17 & 1.27 of NIT." Also the last line of para 1.27 may be read as under: "E&M components mentioned in para 1.17 above."
14			

14.1	Lift Package	In the Lifts Package, Last item No. 4 does not have its Quantity mentioned. Should we consider it for R.O basis or not? Please clarify.	Please refer to reply of query no. 7.39 above.
14.2	Makes for LT Panels	In the list of makes for LT Panels, GE is in the Approved List but in the Panel components like ACBs and MCCBs, GE is not mentioned. Knowing that GE only manufactures panels with its own components, is it ok to quote GE panels with GE panel accessories and components only? Please clarify.	Terms & conditions as per tender remain unchanged.
14.3	Fire Alarm System	Photoelectric type Smoke Detector with Fault Isolator – As per NFPA guidelines, fault isolator is required only after every 20 detectors then why we require inbuilt isolator, as the Fault Isolator Module is already in the boq as a line item. Please clarify. Mica Tape Cable – Make for Mica Tape Cable is not mentioned in the List of Makes, we are considering Bonton Mica Cable (Bonton wire and cable is already in approved make list of electrical and other systems), Please approve in FAS. Please clarify.	1) Please refer to reply of query no. 3.19 above. 2) Please refer to reply of query no. 3.20 above.
14.4	Building Management System	Controllers – As per BOQ requirement, Controller should be of IP based, can we quote controllers supporting to RS-485. Make considered: Spyder which is there in the approved make list. Please clarify.	Please refer to reply of query no. 3.21 above.
14.5	Nurse Call System	1. Total no. of Bed Head Unit & Patient Hand Unit is given 160nos. but we need further details like no. of Nurse Station with associated beds. Please clarify. 2. Which Toilet Unit is attached from which Bed Units? Please clarify. 3. Which Door Unit is attached from which Bed Units/ Rooms? Please clarify.	Please refer to reply of query no. 3.22 above. Please refer to reply of query no. 3.23 above. Please refer to reply of query no. 3.24 above.
15			
15.1		Extend the date of submission On account of some previous commitments and parallel submissions, we require a little more time in preparing our bid in this regard, we request your good self to Kindly extend the date of submission by at least 3-4 week.	The last date of submission of Bid is extended from 30.04.2013 to 10.05.2013.
16			
16.1	General Electrical	Please clarify whether Load sanction is the responsibility of contractor.	Please refer Vol.-III Technical Specifications –Special Condition

	Works		S. No. 2 at page-73, which is self-explanatory.
16.2	Electrical, SH-III, Item No. 3, Page -76	The thickness fuel tank has been mentioned as 3mm but the tanks are made with 2 mm sheet. Please clarify.	Terms & conditions as per tender remain unchanged.
16.3	List of makes	a. Electrical item no. 1 & 51- there is need to clarify the items and their makes.	Pl. refer the "Amendment to the List of Approved Makes of Materials" enclosed.
		b. Electrical Item no. 31 & 65 kindly confirm whether KAPPA / Pragati / Gilbert / AEI are applicable	
		c. Electrical Item no. 70 & 71 are common. Please clarify.	

Construction of National Institute of Allied Health Sciences (NIAHS)

at NAZAFGARH, DELHI

Amendment to the

List of Approved Makes of Materials

S.No	Details of equipment/ material	Make/manufacturer
1. CIVIL & Plumbing Services		
95	Metal False Ceiling	Armstrong / Durlum / Trac / Unimet
96	Mineral fibre ceiling	Armstrong / Nittobo/ Daiken/ Decosonic
108	PTMT Fittings	Prince India/ Symet/ R.S Industries / Shakti Enterprises / Prayag polymer Pvt. Ltd
121	Paver blocks (All Types)	KK Manholes / Uni Stone Products (India) Pvt. Ltd/ Hindustan Tiles/ NITCO
174	Tiles: Vitrified Tiles (Double/ Multi Charged)	H.R. Johnson / Kajaria/ Hindware / Nitco / Naveen / Bell/ Somany /Euro/ RAK
185	Terracotta Coloured Tiles	Dovetex (DPG Entrprises)/ Jindal Mechno BricksPvt. Ltd/ Prakriti Ceramics
186	PVC Doors	Sintex/ Polyex/ Rajshri
2. List of Approved Makes- Electrical Works		
1	11 KV VCB	L&T, ABB , Crompton, Areva , Schneider
2	11KV, 433 V OLTC oil type transformer	Crompton Grieves, ABB, Siemens, Areva, Kirloskar Electric, Andrew Yule, Voltsamp, BHEL, Sudhir IVL
31	Cubical type Synchronizing , capacitor control panel (Bolted / Folded fabrication)	L&T, ABB, Schneider
43	Feeder pillars, Meter cubicle Panels, Floor panels for upto 400A i/c switchgear	ABB, L&T, GE,Siemens, Schneider, Advance Panel, Adlec, Tricolite, Sudhir, Zeta.
51	H.T. Panel	Crompton, ABB, Alstom, Siemens, C&S, Schneider, Areva, Advance Panel & Switchgear, Ambit, L&T,

		Tricolite
65	LT/LV panels	ABB, L&T, GE, Siemens, Schneider, SPC, Advance Panel, Adlec, Tricolite, Sudhir, Jakson, Zeta.
70	Modular switches, socket outlets and wiring accessories with moulded cover plate	Anchor (ave), MK (wraparound) , Siemens, legrand (lipsa), L&T, lipsal (neo`c' metro), Havells (piccadily), Philips
71	DELETED	DELETED
101	DELETED	DELETED
105	11 KV RMU	ABB, Crompton & Greaves, Schneider Electric, L&T
5. FIRE ALARM SYSTEM		
1	FIRE ALARM SYSTEM	Zicom, FirePro, Honeywell, Siemens, Schneider, Bosch, Notifier
2	Fire Alarm Detectors, Hooters, Manual Call Point UL Listed	Zicom, FirePro, Honeywell, Siemens, Schneider, Bosch, Notifier
16	Mica Tape Cable	Bonton, Skytone, Radox, FRTEK,
10. SEWAGE / EFFLUENT TREATMENT PLANT		
5	UV Systems	Alpha UV, Creative UV, AM Ozonic
12. HVAC		
2	Water / Air Cooled Screw Chilling Machine	Carrier / McQuay / York/ Trane
8	Air Circuit Breaker	DELETED

Form B
MODIFIED
FORMAT FOR EMD (BID SECURITY)

KNOW ALL MEN by these presents that we (Name of Bank) having our registered office at (Name of country) (hereinafter called "the Bank") are bound unto HLL Lifecare Limited, B-14A, Sector-62, Noida-201307 U.P. (hereinafter called "HLL"), in the sum of Rs. _____ for which payment will and truly to be made to the said HLL, the bank binds itself, its successors and assigns by these presents.

WHEREAS.....(Name of Bidder) (hereinafter called "the Bidder") has submitted its Bid dated _____ for "**Construction of National Institute of Allied Health Sciences (NIAHS) at NAZAFGARH, DELHI**"

AND WHEREAS the Bidder is required to furnish a bank guarantee for the sum of Rs. _____ (Rupees _____ Only) as Bid Security against the Bidder's offer as aforesaid.

AND WHEREAS _____ (Name of Bank) have, at the request of the Bidder, agreed to give this guarantee as hereinafter contained.

1. We further agree as follows:

1.1 That client may without affecting this guarantee grant time or other indulgence to or negotiate further with the Bidder in regard to the conditions contained in the said Bid and thereby modify these conditions or add thereto any further conditions as may be mutually agreed upon between client and the Bidder.

1.2 That the guarantee herein before contained shall not be affected by any change in the constitution of our bank or in the constitution of the Bidder.

1.3 That any account settled between client and the Bidder shall be conclusive evidence against us of the amount due hereunder and shall not be questioned by us.

1.4 That this guarantee commences from the date hereof and shall remain in force till _____ (date to be filled up)

1.5 That the expression 'the Bidder' and 'the Bank' herein used shall, unless such an interpretation is repugnant to the subject or context, include their respective successors and assigns.

2. The conditions of this obligation are :

- a) if the Bidder withdraws his Bid during the period of Bid Validity, or
- b) if the Bidder does not accept the correction of his Bid Price as corrected by the evaluation committee
- c) if the Bidder having been notified of the acceptance of his Bid by client during the period of Bid Validity :

- i. fails or refuses to furnish the required Performance Security for the amount equal to 5% of the Contract price and/ or
- ii. fails or refuses to enter into a Contract within 30 days of issue of Letter of Award by MoHFW/HLL

We undertake to pay to client/HLL up to the above amount upon receipt of his first written demand, without Client/HLL having to substantiate his demand provided that in his demand Client/HLL will note that the amount claimed by him is due to him owing to the occurrence of any one or more of the conditions (a), (b), (c) mentioned above, specifying the occurred condition or conditions.

Signature of
 Authorized Official of the Bank

Signature of the witness
 Name of the Witness.....
 Address of the Witness.....

Name of Official
 Designation

Stamp/Seal of the Bank

SECTION 7

REVISED PROFORMA OF SCHEDULES

(Operative Schedules)

SCHEDULE 'A'		
	Schedule of quantities (BOQ)	Attached as Volume –IV, Bill of Quantities.
SCHEDULE 'B'		
	Schedule of materials to be issued to the contractor	NIL – No material to be issued to the Contractor
SCHEDULE 'C'		
	Tools and plants to be hired to the contractor	NIL - No tools and plants to be hired to the Contractor
SCHEDULE 'D'		
	Extra schedule for specific requirements/document for the work, if any.	NIL
SCHEDULE 'E'		
	Reference to General Conditions of Contract	
	Name of work : :	Construction of National Institute of Allied Health Sciences (NIAHS) at NAJAFGARH, DELHI
	Estimated cost of work:	As per NIT
	Earnest money:	As per NIT
	Performance Guarantee:	5% of Accepted Tendered Value
	Security Deposit:	5% of Accepted Tendered Value
SCHEDULE 'F'		
GENERAL RULES & DIRECTIONS		
	Officer inviting bid	Deputy Secretary (Medical Education), Ministry of Health & Family Welfare, Government of India, Nirman Bhavan, New Delhi
DEFINITIONS		
1	Authority executing the agreement on behalf of the President of India	Deputy Secretary (Medical Education), Ministry of Health & Family Welfare, Government of India, Nirman Bhavan, New Delhi
2(i)	Accepting Authority	Deputy Secretary (Medical Education), Ministry of Health & Family Welfare, Government of India, Nirman Bhavan, New Delhi
2(vi)	Engineer-in-Charge	Authorized representative nominated by MoHFW/HLL
2(ix)	Percentage on cost of materials and labour to cover all Overheads and	15%

	profits.		
2(xi)	Standard Schedule of Rates	CPWD Schedule of Rates 2012, with up to date correction slips	
2(xii)	Department	Ministry of Health & Family Welfare, Government of India, Nirman Bhavan, New Delhi or their authorized representative.	
CLAUSES OF CONTRACT			
Clause 1	(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	30 days	
	(ii) Maximum allowable extension beyond the period provided in (i) above	15 days	
Clause 2	Authority for fixing compensation under Clause 2.	Dy. Secretary(Medical Education), Ministry of Health & Family Welfare, Government of India	
	Authority for deciding incentive under Clause 2A.	Dy. Secretary(Medical Education), Ministry of Health & Family Welfare, Government of India	
	Whether Clause 2A shall be applicable	YES	
	Number of days from the date of issue of letter of acceptance for reckoning date of start	30 Days	
Clause 5	Mile stone(s) will be as per table given below:-/		
Mile Stone No	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be withheld in case of non - achievement of milestone.
1	Completion of structure of (i) Guest House (ii) Hospital Block- up-to 1 st Floor (Roof)	150 days	Rs.100 lakhs
2	Completion of structure of (i) Academic Block(except area covered by existing OPD Block) up to 1 st floor roof (G+1). (ii) Hospital Block- Structure Complete	240 days	Rs.100 lakhs
3	Completion of Guest House up to 1 st Floor (ready for use)	270 Days	Rs.100 lakhs
4	Completion of (i) Hospital Block- OPD Block Portion (Gr & 1 st Floor) complete in all respects and ready for use. (ii) Academic Block (except area covered by existing OPD Block)- Structure (iii) Hostels Block – Structure complete up to Gr+ 4 Floors. (iv) Completion of Guest House (ready for use)	300 days	Rs. 100 lakhs

5	Completion of (i) Academic Block (except area covered by existing OPD Block) - with all internal services. Supplying and installation of lift equipment excluding car. (ii) Hostels Block – Structure complete. (iii) Staff Quarters:- Structure complete up to Gr+ 2 Floors	420days	Rs. 100 lakhs
6	Completion of:- (i) Academic Block (except area covered by existing OPD Block, lifts, Lecture theatre & Library Blocks) - Complete and ready for use (ii) Hospital Block – Complete, except lifts, internal fittings and fixtures. (iii) Staff Quarters: - Structure complete up to Gr+ 6 Floors	510 days	Rs. 100 lakhs
7	Completion of:- (i) Academic Block – complete and ready for use. (ii) Hospital Block- Complete & Ready to use. (iii) Hostels Block – Complete, except final finishing. (iv) Staff Quarters: – Complete with all internal services.	570 Days	Rs. 100 lakhs
8	Completion of (i) Staff Quarters -complete & Ready to use. (ii) Completion of external development including horticulture Works (iii) Other balance works-complete in all respect.	630 days	Rs. 100 lakhs
9	Testing & commissioning of all services. Final finishing & painting and handing over the project to client.	Total time allowed in days for completion of work as per terms of Contract	Rs. 100 lakhs *Total withheld amount not to exceed 10% of the tendered cost.
Note:			
(i) The above mile stones are based on the following: 1. The clear site shall be made available at the start of the work except for the following a. Staff quarter block b. Part portion covering existing OPD for Academic Block 2. Clear site for the staff quarter shall be made available within two months of completion of guest house (up to first floor), and Part portion covering existing OPD for the Academic Block shall be made available within two months of making available the OPD portion(Gr & 1 st Floor) of Hospital block.			
(ii) If the Milestone(s) are not completed as per Time Schedule specified above, then the amount as given in the table above will be withheld against the respective Milestone(s) from the payment due to the Contractor. However if the subsequent milestone (inclusive of the earlier milestones) are achieved within the Time Allowed/Specified herein, then the amount withheld for non- completion of previous milestone(s) shall release in the payments thereafter .			
(ii) The total amount with held under the above milestones shall be adjusted against any levy of compensation decided by the competent authority under Clause 2 above.			
Clause 5.4	Authority for deciding Extension of Time	Dy. Secretary(Medical Education),	

	and rescheduling of Milestones	Ministry of Health & Family Welfare, Government of India
Clause 6, 6A	Clause applicable – (6 or 6A)	6A
Clause 7	Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.	Rs. Three Crore Only (Rs. Two Crore Only for 1st and 2nd RA Bills)
Clause 8B	Completion Plans to be Submitted by the Contractor as per specifications	Latest General CPWD Specifications for Electrical works (Part – I internal) and (Part – II External)
Clause 10A	List of testing equipment to be provided by the contractor at site laboratory.	As per Annexure-I and II
Clause 10B	Whether Clause 10 B (ii) shall be applicable	Yes
	Whether Clause 10 B (iii) shall be applicable	NO
Clause 10C	Component of labour expressed as per cent of value of work	25%
Clause 10CA	Material covered under this clause	Cement, Reinforcement Steel
	Base price of all the materials covered under Clause 10CA	Cement- Rs.5340/- Tonne, Reinforcement Steel- Rs.48500/- Tonne
	Note: Clause 10CA is applicable only for Cement and Steel reinforcement bars and not for any other materials.	
Clause 10CC	Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	Not Applicable
Clause 11	Specifications to be followed for execution of work	Latest CPWD Specifications for Civil, Electrical and all other works with up to date correction slips for all sub heads of work as applicable, and, Technical Specifications included in the tender documents, wherever applicable
Clause 12		
12.2 & 12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work.	30 % of Items
12.5	Deviation Limit beyond which clauses 12.5 shall apply for foundation work.	100 % of Items
Clause 16	Competent Authority for deciding reduced rates	Competent Authority of Ministry of Health & Family Welfare, Government of India / HLL Life care Limited
Clause 18	List of mandatory machinery, tools & plants to be deployed at site.	1. Computer controlled concrete batching plant 2. Material lifts 3. Electrical and petrol operated vibrators 4. Plate compactors 5. D.G. set

Clause 36 (i)		Minimum Requirement of Technical Representative(s) and monthly recovery Rate					
S. No.	Designation (Principal Technical/ Technical representative)	Discipline	Minimum Qualification of Technical Representative	Minimum Experience	Minimum Nos.	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1.	Project Head	Civil	Degree	20	1	Rs 3,00,000	Rs. Three Lacs
2.	Project Manager	Civil	Degree	15	1	Rs 2,00,000	Rs. Two Lacs
3.	Project Manager	Electrical/ Mechanical	Degree	15	1	Rs 2,00,000	Rs. Two Lacs
4.	Project Engineer	Civil	Degree/Diploma	10/15	2	Rs 1,00,000	Rs. One Lac
5.	Project Engineer	Civil (PHE/FF)	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
6.	Project Engineer	Elec.	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
7.	Billing Engineer	Civil	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
8.	Billing Engineer	Elec.	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
9.	Quality Control	Civil	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
10.	Engineer	Civil	Degree/Diploma	10/15	1	Rs 1,00,000	Rs. One Lac
Note: The staffs at Sr. No. 1, 2,4,5,9 &10 above are required to be in position at site within 30 days of commencement of work. The balance along with other staff for specialised works to be in position at site as per requirements at project site or within 30 days of directions of Engineer-in-Charge whichever is earlier.							
Clause 39		Authority having option of terminating the Contract in event of death of Contractor			Dy. Secretary(Medical Education), Ministry of Health & Family Welfare, Government of India		
Clause 42		I. (a) Schedule/statement for determining theoretical quantity of cement & bitumen			On the basis of Delhi schedule of Rates 2012, printed by C.P.W.D.		
		II. Variations permissible on theoretical quantities					
		(a) Cement					
		(i) For works with estimated cost put to tender not more than Rs. 5 lakh.			3% plus/minus		
		(ii) For work with estimated cost put to tender more than Rs. 5 lakh.			2% plus/minus.		

	(b) Bitumen all works	2.5% plus & only & nil on minus side.	
	(c) Steel reinforcement and structural steel sections for each diameter, section and category	2% plus/minus.	
	(d) All other materials	Nil	
RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION			
		Rates in figure and words at which recovery shall be made from the contractor	
S. No.	Description of item	Excess beyond permissible variation	Less use beyond permissible variation
1	Cement	Nil	1.10* (base price + CI)
2	Steel reinforcement	Nil	1.10* (base price + CI)

*******END OF CORRIGENDUM-01*******