

Tender No. HSCC/PMSSY-III/ GOA/2017

Date 14.02.2017

All Bidders

AMENDMENT-2

Subject: Tender for Construction of Super Specialty Block at GOA Medical College, Bambolim,GOAand their maintenance during Defects Liability Period.

Dear Sir,

This has reference to the pre bid meeting held on 03.02.2017 at 15:00 hrs at HSCC corporate office Noida.

Accordingly Amendment No.2 contains following is enclosed

1. Annexure – A ( Reply Pre bid Queries.)
2. Annexure – 1 (Amended Electrical Bills of Quantity (BOQ) / Cost Estimate)

Bidder are advise to follow Amended Amendment Bills of Quantity (BOQ) / Cost Estimate.

Other all terms & conditions of tender shall remain unchanged.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> as corrigendum/amendments etc, if any, will be notified on this e- tender portal only and separate advertisement will not be made for this.

Encl : As above

(Clarification at Annexure – A and Amended Electrical Bills of Quantity (BOQ) / Cost Estimate.

Thanking you,

Chief General Manager (Projects)  
HSCC (India) Limited

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
1	Vol 1, NIT and PQ, Clause 1.9, Pg. 12	Earnest Money Deposit Bid shall be accompanied with Earnest money of Rs. 273.96 lakhs in shape of demand draft of a scheduled bank issued in favour of "HSCC (India) Limited" Payable at New Delhi/Noida or fixed deposit receipt or Banker's cheque or Bank Guarantee in favour of "HSCC (India) Limited" as per Form B, having validity for six months or more from the last date of receipt of tenders or any extension thereof.	Bankers have initiated for Bank Guarantee confirmation through Structured Financial Messaging System (SFMS). As per Latest RBI Guidelines regarding Bank Guarantee, it is mandatory to advise Bank Guarantee through Electronic Mode, so we require Beneficiary Details in every case of BG Issuance or BG Renewal. Please provide the bank details- 1. Beneficiary Bank account Name 2. Beneficiary Bank account Number 3. Name of Bank & Address 4. Branch Code 5. Bank IFSC Code	1. Beneficiary Bank account Name - <b>HSCC (India) Ltd.</b> 2. Beneficiary Bank account Number - <b>17250200000151</b> 3. Name of Bank & Address - <b>Indian Oversease Bank, Kribhko Branch Sector - 1, Noida.</b> 4. Branch Code - <b>1725</b> 5. Bank IFSC Code - <b>IOBA0001725</b>
2	Vol 1, NIT and PQ, Clause 1.25, Pg. 15	The work includes a number of specialized Civil/Electrical/ Mechanical/ Electronic Engineering services etc. to be executed as integral parts of the project by engaging specialized agencies in each case meeting the eligibility criteria and after approval by the Engineer-in charge. Some of the Specialized Services (as applicable) are: - (To be filled by executing agency based on list of specialized agencies as given in para 16.10 of CPWD works manual. The eligibility criteria for carrying out of specialized items of work through specialized agencies shall be as per given in CPWD Works Manual. This shall be clearly specified by Executing Agency in tender documents)	We request you to provide List of Specialised Agencies approved by the Executing Agency.	As per tender condition.
3	Vol 1, NIT, Form A Appendix, Pg. 35	Defect Liability Period - 12 Months from the date of issue of Taking Over Certificate	Please confirm whether Defect Liability Period for overall project to be considered as 12 months.	Yes, As per tender condition.
4	Vol 2, GCC, Clause 8 and 8.1, Pg. 11	Preference of Documents The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions. In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed – a) Description of Schedule of Quantities b) Particular specification and Specific Condition, if any. c) Drawings d) CPWD Specifications e) Indian Standard Specifications of B.I.S.	In case of conflict in contractual conditions, for the purpose of interpretation, kindly share the precedence of Documents.	As per tender condition.
5	Vol 2, GCC, Clause 9	Payment of Final Bill (i) If the Tendered value of work is up to Rs. 45 lac: 2 Months (ii) If the Tendered value of work is more than Rs. 45 lac and up to Rs. 2.5 Crore: 3 Months (iii) If the Tendered value of work exceeds Rs. 2.5 Crore: 6 Months	We request you that Final Bill shall be paid to the Contractor within 3 months from the submission of Final bill.	As per tender condition.
6	Vol 2, GCC, Clause 10 B (i), Pg. 30	The contractor, on signing an indenture in the form to be specified by the Engineer in- Charge, shall be entitled to be paid during the progress of the execution of the work up to 90% of the assessed value of any materials which are in the opinion of the Engineer-in- Charge non-perishable, non-fragile and non-combustible and are in accordance with the contract and which have been brought on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works.	We presume that Secured Advance @ 90% of assessed value of any materials will be applicable for this particular tender. Kindly confirm.	As per tender condition.

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7	Vol 2, GCC, Cl. 19L, Pg. 54	The ESI and EPF contributions on the part of the Executing Agency in respect of this Contract shall be paid by the Contractor. These contributions on the part of the Executing Agency paid by the contractor shall be reimbursed by the Engineer-in-charge to the Contractor on actual basis.	Please provide details for ESI & EPF Contributions such as No of staff from Executing agency side.	As per tender condition.
8	Vol 2, GCC, Cl. 26, Pg. 57	The contractor shall fully indemnify and keep indemnified the Executing Agency against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the Executing Agency if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.	We presume that Contractor is not responsible toward any issue arising due to Design & Drawing and royalty to be paid. Design & Drawing is Client's responsibility. Kindly Confirm.	As per tender condition.
9	Vol 2, GCC, Clause 37, Pg. 66	Levies/Taxes payable by Contractor (i) Sales Tax/VAT (except Service Tax), Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor. (ii) The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.	We presume that Labour Cess, if applicable, will be directly paid by the Client. Kindly confirm.	Labour cess shall be paid by Contractor and submit proof to Executing agency.
10	Vol 2, GCC, Clause 38, Pg. 67	Implementation of New Tax Structure i.e. GST All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/ levies/ cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Engineer-in-charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.	We request you to consider that if there is an increase in rate of any taxes, levies, duties, Cess, Octroi & Royalty etc. or if there is an introduction of any new tax, duty or levies etc. such as GST will be implemented during the execution of the Contract, the same shall be paid by the Client without any financial implication to the Contractor.	Already mentioned in the tender condition.
11	Vol 2, GCC, Schedule F, Pg 108	Interim Payment Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for - 4 crore	We will submit one RA bill per month. We shall be paid 70% of all bill payments, irrespective of value of work done based on joint measurements, shall be paid within 15 (fifteen) days & Balance 30% within 30 Days from the date of submission of our bills.	As per tender condition.
12	Vol 2, GCC, Schedule F, Clause 10CA, Pg. 109	Base Rate Base price of all the materials covered under Clause 10CA (Base price to be mentioned valid at the time of last stipulated date of receipt of Tender including extension, if any.) Cement- OPC : Rs. /- Tonne, Reinforcement Steel- Primary Manufacturer : Rs. /- Tonne Structural Steel : Rs. /-Tonne includes cement component used in RMC brought at site from outside approved RMC plants, if any.	We request you to share the Base Rate for Cement, Reinforcement Steel and Structural Steel.	1. Base Price Cement Rs. 6,400 /- per MT 2. Steel Rs.40,400 /- per MT

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13	Vol 2, GCC, Schedule F, Cl. 10CC, Pg. 109	Component of civil (except materials covered under clause 10CA) and Electrical construction Materials expressed as percentage of total value of work - Xm: 40%	<p>We presume that expect for materials covered under Clause 10CA, all materials i.e. Civil, Electrical materials are covered under Xm=40%. Please provide percentage component for Other Services and Materials.</p> <p>As per CPWD GCC 2014, Clause 10CC, Pg. 104 Xm % should be equal to {(100)- (Material covered under Clause 10 CA i.e. Cement, Steel, POL and other material specified in Clause 10 CA + component of labour)} Please review % given for other material.</p>	As per tender condition.
14	Vol 2, GCC, Schedule F, Cl. 12, Pg. 110	<p>Deviation Limit beyond which clauses 12.2 &amp; 12.3 shall apply for building work -30%</p> <p>Deviation Limit beyond which clauses 12.2 &amp; 12.3 shall apply for foundation work (Except earth work) - 30%</p> <p>Deviation Limit for items in earth work subhead of DSR or related items -100%</p>	We request for (+/-) 20% of the quantities mentioned in the BOQ for individual item of works. New rates to be fixed for such item once the estimated quantity of that item is to exceed or fall short of the limit of 25% and prior to commencement or continue	As per tender condition.
15	Vol 2, SCC, Clause 20 (c), Pg. 19	The contractor shall make no such variations without an order in writing by the Executing Agency, provided that no order in writing shall be required for increase up to 30% or decrease in the quantity of any work where such increase or decrease is not the result of an order given under this Clause, but is the result of the quantities exceeding or being less than those stated in the schedule of items.		As per tender condition.
16	Vol 2, GCC, Schedule F, Pg. 112	<p>Recovery Rates for quantities beyond permissible variation</p> <p>Less used beyond permissible</p> <p>Cement : 1.10 (Base price +CI )</p> <p>R/F Steel : 1.10 (Base price +CI )</p>	Please clarify what is "CI " in this clause.	Cost Index
17	Vol 3, SSC, Clause 4.1.1, Pg. 5 and 6	<p>Approvals Required</p> <p>The Contractor shall obtain all necessary approvals except pre-construction from Municipal and other local bodies including Municipal bodies, Water supply agencies concerned, Electric Supply and inspectorate. Agencies concerned, such as, but not limited to, Police and Security Agencies, Chief Controller of Explosives, Fire Department, Civil Aviation Department, concerned in accordance to prevailing rules, Building Bye-Laws, tree cutting etc., as the case may be with related to/ required for Construction/Completion. All expenditure on this account will be borne by the contractor.</p> <p>The approvals for pre-construction clearances submitted/applied to local authorities shall be provided to the contractor for obtaining clearances/approvals. The approvals shall include the following in addition to any other approval which may be required for the project.</p> <ul style="list-style-type: none"> <li>• Construction Permit if required</li> <li>• NOC from Chief Fire Officer</li> <li>• NOC from Lift Inspector where lifts are provided</li> <li>• Occupancy certificate</li> <li>• GRIHA Certification (Minimum 3 Star)</li> </ul>	<p>As this is percentage rate tender based on design &amp; drawings given by the Client/ Executing Agency. We request you to remove all approvals to be taken from Municipal and other local bodies such as Occupancy Certificate, GRIHA Certification etc. from scope of contractor.</p> <p>We understand that all Approvals and permissions required for permanent works are to be obtained by the Client. Kindly confirm.</p>	As per tender condition.

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
18	Vol 3, SCC, Cl. 6(b), Pg. 8	If by reason of any failure or inability of the Consultant to issue within 4 weeks any drawing or instruction for which notice has been given by the Contractor in accordance with Sub-clause 1) and the contractor suffers delay, then the Engineer-in-charge, shall on the request of the Contractor recommend to the Client any extension of time under respective clause. Notwithstanding anything stated above, the Contractor shall not be eligible for any financial compensation arising out of the above.	We request you to consider suitable cost compensation for any delay in work by reasons of any failure or inability of Consultant which are not attributable to Contractor.	As per tender condition.
19	Vol 3, SSC, Clause 9, Pg. 29	Cutting of Trees Permission of cutting of trees if required will be obtained by Contractor	We request you that all permissions required for tree replantation & cutting of tree are to be obtained by Client. Time and cost towards delay will be compensated to Contractor.	As per tender condition.
20	Vol 3, SCC, Cl. 16, Pg. 17	Absence of Specifications If the specifications do not contain particulars of materials and works which are obviously necessary for the proper completion of the works, and the intention to include, which is inferred, all such materials and works shall be supplied and executed by the Contractor without extra charge. If the Contractor requires additional information, he shall, in pursuance of Clause 2 hereof, so request in writing well in advance to commencement of the particular work to the Executing Agency who will issue such detailed information within a reasonable time.	Please clarify clause -2	Contractor may request for specification for said works prior to execution.
21	Vol 3, SCC, Cl. 22	Insurance Policies	We request you to provide minimum amount to be covered for all policies.	As per tender condition.
22	Vol 3, SCC, Cl. 26, Pg. 25, 26	Boreholes & Exploratory Excavation If, at any time during the execution of the Works, the Executing Agency shall require the Contractor to make boreholes or to carry out exploratory excavation, such requirement shall be ordered in writing and shall be deemed to be an additional ordered under the provisions unless a provisional sum in respect of such anticipated work shall have been included in the schedule of items.	We presume that Boreholes & Exploratory Excavation shall be paid to us under extra item of work. Kindly confirm.	As per tender condition.
23	Vol 3, SCC, Cl. 31 (5), Pg. 28	Delay in starting the work No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	If delay beyond 3 months for starting the work, we shall be suitably compensated for time and cost.	As per tender condition.
24	Vol 3, SCC, Clause 32.3, Pg. 32, 33	Land for site infrastructure The Contractor may, at his own expense and subject to the approval of the Engineer and statutory authorities, construct offices, stores, Workshop in the area allocated to him and remove the same as per the orders of the Engineer on completion of Works. The Contractor shall furnish such details of his Temporary Works as may be called for by the Engineer and the Contractor shall satisfy the Engineer as to their safety and efficiency. Engineer may direct those Temporary work which he considers unsafe or inefficient be removed and replaced in a satisfactory manner. The Contractor shall immediately follow Engineer's directions/ instructions.	We request you to provide land for site infrastructure such as Site Office, store, reinforcement yard, Formwork yard, Batching Plant etc. within project premises.	As per tender condition.
25	Vol 3, SCC, Clause 32.3, Pg. 33	Land for labour camp The Contractor shall make his own arrangement at his own expense for labour camp / accommodation of his labour and staff and their conveyance to Site as no workers/ staff shall unless with the specific approval of the Engineer be allowed to stay within the Site. Gate passes shall be issued by the Engineer to authorise the Contractor's staff and workers to enter the Site.	We request you to provide land for labour camp within site premises.	As per tender condition.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
26	Vol 3, SCC, Clause 32.6, Pg. 33, 34	A reasonably furnished site office and transit accommodation having a sample room, A.C. meeting room, A.C. staff rooms with file storage facility along with computers & printers and its consumables, a telephone with STD facility, Fax Machine, internet and toilets & pantry shall be provided for Executing agency/ HSCC by the Contractor at his own cost. Electricity & drinking water for the site office will have to be provided by the contractor at his own cost for the site office. In case suitable existing building/ accommodation is available at site, the same may be furnished as above with the consent of the Executing Agency.	a) Please provide layout drawing & area requirement. b) Please provide details of site office area to be provided along with furniture details. c) Also specify no of computers/ printers, telephone with STD facility, Fax Machine, internet to be provided to Client.	Area of site office shall be approx 100 Sqm, rest all details as per tender conditions and requirements.
27	Vol 3, SCC, Cl. 32.7, Pg. 34	Temporary Fencing The Contractor shall at his own expense, erect and maintain in good condition temporary fences all around the working premises as per approved specifications by Engineer. After the successful completion of work all the temporary fencing will be dismantled/removed by contractor and all the dismantled/removed material from here shall be the property of the contractor. The Contractor shall also erect and maintain suitable metal frame fencing around the slab openings, cut-outs/lift wells/stairwells/shaft etc.	We understand that temporary fencing is required for building & construction working area only and not for the entire plot. Please confirm .	Temporary fencing is required for building & construction area.
28	Vol 3, SCC, Cl. 37, Pg. 35	Separate bank Account The contractor shall open a bank account specifically for this contract. The mobilization advance given to the contractor shall be deposited in this account only. The details of this account shall be made available to the Executing agency. The contractor shall draw from this account the expenses for the purpose of procurement of materials, machineries, tools & plants and shuttering required for the said work only.	We understand that Separate account is for depositing mobilisation advance only. Please provide details for Mode of Operation and payment for RA Bills.	Separate bank Account for the project including mobilisation advance
29	Vol 3, SCC, Section D, Pg. 58	Environmental Clearance	We request you that all permissions & cost towards Environment Clearance is in Client's scope.	As per tender condition.
30	General	Land Acquisition	We presume that there is no dispute towards Land Acquisition.	Hinderance free site shall be provided by Employer.
31	General	Access road for work & restriction for movement	a) Please provide us road network drawing showing access roads available to contractor for movement of material, P&M & labour. b) As hospital is under operation kindly specify restriction for labour & material movement. Entry & exit route provided for the work.	As per tender condition.
32	General	Working time restrictions	Please specify working time restrictions if any. Please clarify whether working during night also permitted or not.	Work plan may be scheduled as per time line
33	General	Soil Investigation Report and Contour Plan	We request you to provide Soil Investigation report and Contour Plan.	Shall be provided after award of work.
34	General	Drawings	We request you to provide all Drawings i.e. Architectural and Structural drawings in Cad Format.	As per tender condition.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
35	General	Drawing requirement	Please provide drawing for following BOQ item BOQ item : 6.04 - SS Railing BOQ item no 8.04 a : Polycarbonate dome structure BOQ item no 10.03 to 10.06 : Structural glazing , Spider glazing BOQ item no 10.01 : GRC Screen BOQ item no 4.13a : 50 mm thick decorative Laterite stone tile BOQ item no. 5.26 & 5.33 : UPVC doors & Windows Doors & Fire door Aluminium doors & Windows BOQ item no. : 4.04 & 4.13- decorative laterite masonry BOQ item no. : 4.19- Toilet Cubical	As per tender condition. Shop drawings to be submitted by Contractor for approval
36	General	BOQ Qty	We understand for building having covered area of 5.5 lakh sqft, Quantity given in BOQ for concrete & R/f steel are very high. Please clarify.	No Change, as per tender condition.
37	General	BOQ in Excel	We request you to provide Soft Copy of Estimate/Bill of Quantities for ease of estimation.	As per tender condition.
38	General	Flyash & GGBS	Kindly specify the % of Flyash & GGBS to be used in concrete & Mortar as cementitious material	As per tender condition.
39	General	Anti Termite Treatment	There is no BOQ item for anti termite. Please clarify	As per tender condition.
40	Vol 4, Sr. 11, Pg. 13	List of Approved Makes - Civil Works OPC 43 Grade Cement (Conforming to IS 8112)	Approved make is given for Cement OPC 43. We understand that all concrete & mortar to be prepared with OPC 43. Kindly confirm.	As per tender condition.
41	BOQ, Civil Works, Section 1.00	Earthwork	We have not found any disposal items for extra excavation work. kindly add disposal items.	As per tender condition.
42	BOQ, Civil Works, Item no. 3.05 (e)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Please provide drawing & reinforcement details for girders .	All tender drawings already enclosed
43	BOQ, Civil Works, Item no. 3.05 (h)	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	We request you to provide drawings for moulding in cornices.	As per tender condition.
44	BOQ, Civil Works, Item No 3.05 (l)	Extra for shuttering in circular work (20% of respective centering and shuttering items)	Please provide Number of circular column.	As per tender condition.
45	BOQ, Civil Works, Item No 3.09	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	Please clarify what is B. M.C.	Batch Mix Concrete
46	BOQ, Civil Works, Item No 4.13 (a)	50 mm thick decorative Laterite stone tile of approved size using selected Patradevi stone	This item doesn't appear in DSR 2016. Kindly confirm.	As per tender condition.
47	BOQ, Civil Works, Section 7.00	Flooring works	We request you to consider Crushed stone sand is allowed for flooring. Please confirm	As per CPWD specification & tender condition.
48	BOQ, Civil Works, Item No 7.13 (a)	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) (a) Acid and alkali resistant tile	Tile thickness will be 10 mm please confirm	As per tender condition.
49	General		a) Kindly provide Electrical Panel SLD & Main SLD b) Kindly provide Schematic/ Riser drawings for HVAC, Water supply, Fire fighting, FA & ELV systems	Electrical SLD will be provided to Successful bidder.
50	Vol 4, Technical Specs, Clause 45.05, Pg. 37	FFS / DG Contractor shall provide necessary test certificates and performance charts with NPSH requirement of the pumps from the manufacturer. The contractor shall provide facilities to the Architect or their authorised representative for inspection of equipment during manufacturing and also to witness various tests at the manufacturer's works without any cost to the owners	Kindly clarify whether you want to test all the Pumps/ DG. And specify number of people who will attend this test so that same cost can be include in our offer.	All DG sets will be tested.

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
51	Vol 4, Technical Specs, Pg. 116	HVAC - Chiller Equipments Approved makes are Carrier / Trane / York	Please approve M/s. Daikin in Approved make list for Chiller Equipments.	shall be as per tender
52	Vol 4, Technical Specs, Pg. 116	HVAC Sub Contractors Approved makes are Voltas / Bluestar / Suvidha / Unique Engineers / ETA/ Sterling & Wilson	Please approve M/s. Kelvin ACVS Pvt Ltd in Approved list for HVAC Sub contractor. ( They have successfully completed super speciality Hospital projects across India)	shall be as per tender
53	Vol 4, Technical Specs, Pg. 203	List of Approved Makes for Electrical System BMS, field devices etc.: Honeywell-Trend/L&T-Atmos/Siemens/Schneider	Please approve Johnson Controls make for Building management System.	No change, as per approved list of make.
54	Vol 4, Technical Specs, Pg. 203	List of Approved Makes for Electrical System CCTV - Honeywell/ Pelco /Bosch/Sony/Axis	Please approve Johnson Controls make for CCTV system	No change, as per approved list of make.
55	Vol 4, Technical Specs, Pg. 200 to 203	List of Approved Makes for Electrical System	Please approve Bajaj make for Lighting Fixtures	No change, as per approved list of make.
56	Vol 4, Technical Specs, Pg. 200	List of Approved Makes for Electrical System Transformer: ABB/GE/ Schneider/Alstom	Please approve Voltamp & Kirloskar make for Transformer.	No change, as per approved list of make.
57	Vol 4, Technical Specs, Pg. 200 to 203	Parking Management System	Kindly provide approved make for this parking management system.	provided in BOQ item.
58	Vol 4, Technical Specs, Pg. 111	List of Approved Makes for IT System QMS	Please provide approved make for QMS system	No Change, as per tender condition.
59	BOQ, Sanitary Fixtures, Section 1	Sanitary Fixtures	Kindly provide model numbers of CP & Sanitary Fixtures as per approved makes.	As per tender condition
60		Mechanized Laundry Equipments	We would request for the Layout design and floor location of the laundry project for the better understanding.	Laundry location is mentioned in the tender drawing. Detail shop drawing for Laundry should be prepared by the contractor.
61		Bio- Medical waste Autoclave Capacity suitable to the bio medical waste of the AIIMS for autoclave.	Details already mentioned about capacity of more than 600 Litrs, still next line mentioned about suitable to AIIMS autoclave. kindly clarify for the same.	The word "Capacity suitable to AIIMS Autoclave" deleted. Capacity as mentioned 600 Ltrs shall prevail.
62	BOQ, Mortuary, Item 3	Mortuary Turnkey work rate is mentioned as Rs. 8,84,000/-	The formula is not reflecting in Amount column also the total of Mortuary section is not matching. Kindly clarify.	As per tender condition
63	BOQ, IT Infrastructure	IT Infrastructure Section Total is mentioned as Rs. 15,13,79,970.4 /-	Actual total for IT sub head is Rs. 13,21,33,997/- . Kindly clarify.	There is no such error.
64	BOQ, Electrical Works, Item 13.01	Supply, installation, testing and commissioning of Networkable Microprocessor based multiloop capacity, Networkable analogue addressable type fire alarm control panel with minimum 640 character LCD display / Touch Screen Display. The panel should be equipped with sufficient numbers of loop with 20% Spare capacity in each loop.The pane should be with flash EPROM sufficient numbers of programmable relay controls for controlling AHUs, pressurization fans, ventilation fans at fire pump room, monitoring of fire sprinkler and fire hydrant pump, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 2 hours during an emergency conditions as required. The Panel shall be with backnet card for BMS interfacing. (UL Approved)	Please provide number of loops to be considered for the FAS panel.	As per Amended Estimate

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
65	BOQ, Electrical Works, Item 13.01	Supply, installation, testing and commissioning of Networkable Microprocessor based multiloop capacity, Networkable analogue addressable type fire alarm control panel with minimum 640 character LCD display / Touch Screen Display. The panel should be equipped with sufficient numbers of loop with 20% Spare capacity in each loop. The pane should be with flash EPROM sufficient numbers of programmable relay controls for controlling AHUs, pressurization fans, ventilation fans at fire pump room, monitoring of fire sprinkler and fire hydrant pump, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 2 hours during an emergency conditions as required. The Panel shall be with backnet card for BMS interfacing. (UL Approved)	The bidder requests the client to consider 2 FAS panels and split the FAS system as the number of detectors and devices seem to be large.	as per selected make panel can be split into two but for payment it will be considered one quantity.
66	BOQ, Electrical Works, Item 23.01, 23.02, 23.03	Public Address System EN 60849 Compliance	Kindly allow EN-54 complianc along with EN-60849 for PA system as only EN-60849 requirement is confining the competition to a single model/brand. For fair competition the bidder requests to add complianc to either EN-60849 OR EN-54.	OK
67	BOQ, Electrical Works, Item 23.02	Public Address System Supply, Installation, testing and commissioning of Power Amplifier SCPA2500 /70V, 100V& 4-16 ohm , 2 channel power amplifier , -Inrush restraint and softstart -Integrated electronic protection against thermal overload and short circuit. -Temperature controlled fans, airflow from front to rear. -Method of control: Class AB -Power output of amplifier: 2 x 500W sin. /100V -Output range: 50 Hz – 22kHz; 0/-0,5 dB -Signal to noise ratio (not valuated): > 105 dB -Channel separation: > 75 dB -THD (total harmonic distortion): < 0,08% -Input level at max. output voltage: 0 dBu -The amplifier has to be switched into Stand-by Mode in case of power loss by the control centre.	Kindly approve Output range of amplifiers from 20 Hz – 20kHz	No change as per tender.
68	BOQ, Electrical Works, Section 6	MCB Distribution Boards	Please provide the IP protection.	MCB DB will be for indoor installation.
69	BOQ, Electrical Works, Item 6.03	MCB Distribution Boards Supplying & fixing 6 Amps to 32 Amps rating, 240 volts, 'B' series, miniature circuit breaker suitable for lighting & other loads of following poles in the existing MCB DB complete with connections, testing & commissioning etc. as per technical specifications & as required. i Single pole ii Triple pole & neutral	Please provide the series whether it is B series or C series.	C' series as per specification.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
70	NIT	Extension for Bid Submission	We request you to grant us an extension of another 15 days from the current date of submission i.e. 10 th March 2017 for Technical and Priced Bid Submission. As the scope of this Tender includes Civil and Finishing works along with services such as internal & external Electrical, HVAC, PHE, fire fighting and external developments works, Specialized Services and IT Infra and their Maintenance during Defect Liability Period. All items in this tender require quotations from outside vendors and specialized subcontractor and then negotiation with these vendors upon receipt of offers. We in turn assure you a very competitive offer.	Already extended
71	BOQ, Borewell, Submersible Pumps, Item 7.14	Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	As per tender condition
72	BOQ, HVAC, Section A, Item 1.1 c)	1 No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided. AHRI Certified sheet shall include active harmonic filter losses. Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system. Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	shall be as per tender conditions.
73	BOQ, HVAC, Section A, Item 1.1	VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	shall be as per tender conditions.
74	BOQ, HVAC, Section A, Item 1.1 e.1 and f.1	BOQ point no. e. 1 No.- ASME stamped matching shell and tube water cooled condenser of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 8 m water head. BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	All vendors can offer chiller with pressure vessels along with ASME U-Stamping. We will be adhering for the same.	shall be as per tender conditions.
75	BOQ, HVAC, Section A, Item 1.1 f.1	ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify. Also Specification document doesn't ask for Marine water boxes on evaporator. Please confirm if it is needed.	Required. Shall be as per tender conditions.
76	Vol 4, Technical Specs, HVAC, Clause 1.1.11, Pg. 23	Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
77	Vol 4, Technical Specs, CSSD	In the specifications it has been asked for Horizontal Cylindrical shape Steam Sterilizer with volume 600 liters or more.	Please clarify whether "Horizontal Rectangular" shape can be supplied considering optimum utilization of available volume i.e. 600 liters or more.	Horizontal Rectangular shape should be supplied

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
78	Vol 4, Technical Specs, CSSD	In specifications "Vacuum Pump" requirement is not specified.	Please clarify whether the "Vacuum Pump" is required for Pre Vacuum & Post Vacuum purpose.	Pre and Post Vacuum Unit shall be required
79	Vol 4, Technical Specs, CSSD	Printing of Process data requirement is not specified.	Please clarify whether Printing of process data (Mandatory requirement as per latest CPCB -Central Pollution Control Board for Biomedical waste Sterilizers)	As per tender condition
80	Approved Make for Civil Work	AAC Block : JK Lakshmi Cement, Magicrete Building Solution U-PVC Windows : Fenesta or approved equivalent Wooden Fire Check Doors : Navair, Pacific	Please give few more approved make available nearer to Goa for: AAC block UPVC window Wooden fire door	JK Lakshmi, Magicrete or equivalent as approved by Engineer In-Charge.
81	Approved Make for IT Work	List of approved make for IT work , Annexure -E in Technical Specification  SI/IT Firm : Accenture/TCS/Infosys/Capgemini/Inspira/CSC	Please provide few more approved agencies specialised in Hospital IT infrawork	No Change. Tender Condition prevails.
82	FFS / DG	Vol 04 Technical Specs - page no 53 - Contractor shall provide necessary test certificates and performance charts with NPSH requirement of the pumps from the manufacturer. The contractor shall provide facilities to the Architect or their authorised representative for inspection of equipment during manufacturing and also to witness various tests at the manufacturer's works without any cost to the owners	Kindly clarify whether you want to test all the Pumps/ DG ? And how many people will attend this test so that same cost can be include in our offer.	As per tender condition
83	PHE	BOQ item no 1 - SANITARY FIXTURES	Kindly provide model numbers of CP & Sanitary Fixtures as per approved makes.	As per tender condition
84	Laundry		We would request for the Layout design and floor location of the laundry project for the better understanding	Location of Laundry is already mentioned in the tender drawing. Layout design shall be provided by the contractor as shop drawing for prior approval from HSCC.
85	Bio- Medical waste Autoclave	Capacity suitable to the bio medical waste of the AIIMS for autoclave.	Details already metioned about capacity of more than 600 Litrs, still next line mentiones about suitable to AIIMS autoclave kindly clarify for the same.	Capacity suitable to AIIMS Autoclave is deleted. Capacity as mentioned shall be 600 ltrs or more.
86		In specifications "Vacuum Pump" requirement is not specified.	Please clarify whether the "Vacuum Pump" is required for Pre Vacuum & Post Vacuum purpose.	As per tender condition
87		In specifications "Printing of Process data" requirement is not specified.	Please clarify whether Printing of process data (Because this is a mandatory requirement as per latest norms of CPCB -Central Pollution Control Board for Biomedical waste Sterilizers)	As per tender condition/as per latest CPCB
88	IT Work	Section Total is mentioned as 15,13,79,970.4 /-	Actual total for IT sub head is 13,21,33,997/- Kindly clarify.	There is no such error.
89		HVAC Sub Contractors - Approved makes are Voltas / Bluestar / Suvidha / Unique Engineers / ETA/ Sterling & Wilson	Please approve M/s. Kelvin ACVS Pvt Ltd in Approved list for HVAC Sub contractor. ( They have successfully completed superspeciality Hospital projects across India)	Shall be as per tender conditions.
90		13.01 & 13.02 calls for with minimum 640 character LCD display / Touch Screen Display	This is OEM specific. - Please change the clause as " <del>minimum 640 character</del> -LCD display / Touch Screen Display" for major OEM to participate	No change as per tender
91		Mismatch in BOQ and Specs. - 98.01 SPECIFICATION FOR ELECTRICAL PANEL PROTECTION SYSTEM asks for NOVEC 1230 based and BOQ mentions CO2 suppression page 97 & 98	Please clarify, Bidder recommends NOVEC 1230 based system as it requires low extinguishing concentration using less quantity of gas requiring less storage area and is more environment friendly with zero ODP.	As per tender conditions.
92		VOL04TECHSPECS LIST OF APPROVED MAKES : FIRE FIGHTING WORKS - 31 Fire suppressionssystem SVS Buildwel (p) ltd	Request approval for SIEMENS make.	No change as per tender

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
93		18_BOQ-LV System FAS Sr. No. 13.03 to 13.13 - ...each of these shall be equipped with fault Isolator/ External Fault Isolator...	according to UL and NFPA standards isolator is to be provided for every zone. - Bidder recommends use of isolators after every 20 detectors+devices. Request you to add Isolators as a separate line item.	Isolator internal or external are the part of the respective BOQ item.
94		18_BOQ-LV System FAS Sr. No. 13.10 - Dual LED Response indicator	This is OEM specific. Single LED RI will also serve the same pupose. - request you to revise as single/dual LED RI.	single LED RI accepted.
95		18_BOQ-LV System FAS Sr. No. 13.12 & 13.13 - ... Sounder shall be loop powered	This is OEM specific. - Please change the clause to "... sounder shall be loop or separately powered." for major OEM to participate	UL listed
96		18_BOQ-LV System BMS 24.00 D) DDC a to I - ....with 25% spare	Bidder understands that 25% spare is to be considered in I/Os present in IO summary and not on DDC quantity. Please clarify	It means if the I/O's increase within limit of 25% nothing will be paid on account of DDC and other items which are under lot.
97		VOL04TECHSPECS 25.00 BAS 1.4 SYSTEM DESCRIPTION -... shall have 15% spare capacity for	Mismatch in BOQ and Specs. Kindly clarify	BOQ may prevail
98		VOL04TECHSPECS 25.00 BAS 4.1 DDC hardware - ... 16) The DDC's shall have 15% spare capacity for	Mismatch in BOQ and Specs. Kindly clarify	BOQ may prevail
99		VOL04TECHSPECS Approved Makes 64 Occupancy Sensor - Philips/ Honeywell/ Schneider/Lutron/Legrand	Request approval for SIEMENS make.	No change
100		VOL04TECHSPECS Approved Makes 67 Lighting Control - Lutron/ Philips/ ABB/ Schneider/ Legrand	Request approval for SIEMENS make.	No change
101		VOL04TECHSPECS - 15.0 CCTV General Requirements - II. The Video Management software, NVR, Joystick and Cameras should be of the same make.	Kindly revise this clause as" II. The Video Management software, NVR, Joystick and Cameras can be of the different make." Original clause is contradicting with the scope defination to integarte with any standard camera.	As per tender
102		VOL04TECHSPECS - 15.0 CCTV General Requirements - III. All software and firmware upgrades shall be free of cost.	The bidder understands this clause is valid untill warranty ends.	upto diffect liability period
103		18_BOQ-LV System CCTV 14.06 II camera license - For 125 Nos. Camera	Total No. of cameras in BOQ is 144.	can be calculated as per BOQ
104	QMS	Approved makes	Please provide approved make for QMS system	No change
105		Approved Makes 69 Access Control System - Honeywell-Pro-3000/Schneider/Lenel/Cardex	Request approval for SIEMENS make access control system.	No change

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
108	BOQ Item no 4.03	200 mm thick factory made Expanded Polystyrene Core( EPS Core) wall panels	Please provide approved makes and contact details of vendors for the item preferably from GOA.	As per tender condition
109	BOQ Item no 4.04,4.13 and 4.14	Exposed decorative laterite masonry	Please provide contact details of Patradevi stone.	As per tender condition
110	BOQ Item no 7.19 a	PVC grab rail crash guard system	Please provide approved makes and contact details of vendors for the item.	As per tender condition
111	BOQ Item no 7.24 & 7.25	PVC flooring	Please mention Group, Weight, size and surface treatment for PVC flooring to enable us to select suitable product.	As per tender condition
112	BOQ Item no 10.01	Detailed drawing not provided	Please issue the drawing for GRC screen syssem.	As per tender condition
113	1.01 & 1.02	Sub Head -1 HT SUB STATION		
114	A	INCOMER		
115		1 Set of Microcontroller based numerical relay having 4 element relay (3O/C+1E/F). Relay should have and trip history.	The Communication protocol is not mentioned for numerical relay, Whether its is required or not. Please confirm/ clarify.	communication protocol not required.
116		Digital frequency meter, Digital Tri vector meter., Digital power factor meter.	Digital frequency, tri-vector & power factor shall be a part of MFM meter only. So no need separte individual meter , Kindly confirm/clarify	No change, as per BOQ
117		Phase reversal, over-voltage and under voltage relay.	Phase reversal, over-voltage and under voltage shall be a part of Main numerical relay. So no need separte individual relay , Kindly confirm/clarify	it isthe part of Main numerical relay No need to provide seperately.
118	1.02	2500KVA 33KV/433KV Transformer		
119			The BOQ of Transformers are pertaining to Oil Cooled Type Transformers not Cast resin type, In Cast resin type transformers the following particulars are not related to Cast resin Transformers.	Transformers are as per BOQ ONAN type
120				
121			Cooling ON-AN	
122			Double float buchholz relay	
123			Oil temperature sensor & gauges	
124			Please clarify/ confirm as above.	
125				
126			Also confirm whether ON LOAD TAP CHANGER is required for 33KV/433 Volt Transformers.	
127				
128			The Estimate of 2500KVA are based on Off load Tap changer type not OLTC, if OLTC required, request to amend the Estimate of the Transformers.	
129				
130			The losses of Transformer as per IS 1180 specified in the BOQ are related to Oil cooled transformer not for Cast resin , Request to confirm the IS standard of losses for Cast resin type Transformers.	
131	1.15 & 1.16	Perforated M.S. & Ladder Type Cable Trays	Whether we have included the cost of support like angle/ M.S.12mm rod in cable trays items. or same shall be payable/ coverd against BOQ item no 1.15 (Providing ,fixing of MS angle "C" channel.....) Kindly clarify/confirm..	supportof 10mm rod to be included.
132		Sub Head -2: Main LT Panel		
133	2	Main LT Panels & MV Panels		
134	7	Separate fault indication for O/L,S/C,&E/F to be provided on panel door for all Microprocessor base outgoing MCCBs	The manufacturer of MCCBs does not provide separate fault indication for O/L,S/C,E/F, They confirm that only trip indication will be provided in MCCB. Request to clarify/ confirm,.	On/OFF/Trip indication to be provided.
135	2.03	ACTIVE HARMONIC FILTER(AHF) 300Amps at 440V	Request to give approval of M/s Schneider Electric & M/s P2 Power Solutions Pvt. Ltd. make also.	Additional make Schneider Electric will be included.

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
136		Sub Head -3: DG SETS & ACCESSORIES		
137	3.01	1250KVA DG SETS		
138		Exhaust pipe/ Chimney	Request to clarify the exhaust pipe support structure, whether it is Self supporting Structure, or along with wall/ shaft, Please confirm.	as per actual site condition.
139	3.02	Synchronizing-Cum-AMF Panels for 4 Nos DG sets		
140	F	DG Protection and AMF Component	We would like to inform you, that the protection relays specified in the BOQ are inbuilt feature of DG set Synchronizing Controller, Request to confirm / clarify, whether we have considered separate protection relays as given in the BOQ.	if the part of controller, No need to provide saperately
141	5.16	Axiliary Panel		
142		c) OUTGOING:		
143		i) 16 Sets of 5 -7.5 HP DOL starter Feeder	Request to review/ confirm the Qty of 16 sets DOL starter feeder ,	as per BOQ
144	9.03	Ceiling Fans		
145		Sub Head -13: Addressable Fire System		
146	13.01	Fire Control Panels	Please furnish the Capacity / No of Loop for Fire Panels., Request to clarify / confirm.	

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
147	17.01(i)	26 Passenger Floors :LG+ G+8 ( 10 stops & 10 openings) Speed - 1.5 MPS		as per arch. Drawing.
148	17.02 (i)	20 Passenger Floors :LG+ G+8 ( 10 stops & 10 openings) Speed - 1.5 MPS	Request to furnish the shaft size & total travel height of Lifts. Kindly clarify/confirm.	
149	(ii)	20 Passenger Floors : G+8 ( 9 stops & 9 openings) Speed - 1.5 MPS		
150	17.03	Dumb Waiter 250Kg Floors : G+8 ( 9 stops & 9 openings) Speed - 1.5 MPS		
151	3.1 GENERAL:	VCB's shall conform to IEC 298 and 694 IS 3427, BS 5227 and VDE 0670, part 6 as well as the regulations	The approved vendor shall comply with IEC 62271-100-200 & Internal are tested for 25KA/ 0.1 sec. Kindly confirm/clarify.	OK
152		Vacuum Bottle of VCB should be of same make as of VCB.	The make of Vacuum interrupter(Bottle) shall be as per Type test design, Kindly confirm/clarify.	type test with make of vacume interupter to be submitted.
153	3	11KV Vacuum Circuit Breaker Panel Board	As per BOQ The VCB rated for 33KV system, whereas in the specification of VCB call for 11KV system. Request to furnish the specification for 33KV VCB.	33 KV specification shall be as per CPWD Specification & IS: 1180
154	9.4	Insulation Voltage 1100V	As per manufacturer standard The rated insulation voltage will be 1000Volt instead of 1.1 KV, Can be considered 1000Volt in place of 1100V, Please confirm	1000 volt accepted.
155	9.9	The Bus duct shall be suitable for 12KV Impulse voltage.	For 12KV Impulse voltage, Can be considered 8KV in place of 12 KV, Please confirm	impulse voltage 12 KV
156	SPEC Page 60		1. What is Hybrid QMS working model?	The model is Server & web-based solution.
157	SPEC Page 60		2. Would they require an mobile app for QMS, as they have mentioned virtual queue?	Yes the mobile application will be required. The mobile app has to be developed & customized as per the requirement of client.
158	SPEC Page 60		3. What would be the pre registration logic, would it be same as appointment?	As per the requirement of client.
159	SPEC Page 61		4. Who would be providing SMS gateway?	Initially during the execution period of the project, SMS gateway has to be provided by SI and SI will have to bear for all expenses incurred. After hand-over of the project and Go-Live of the system, the expenses will be beared by client.
160	SPEC Page 61		5. For appointments, is there an existing appointment system to which the QMS has to be integrated?	QMS will have to be integrated for any existing system used in the GMC, Goa and also ORS portal of NIC. However, scope of integration will depend on the requirement of client.
161	SPEC Page 62		6. Is network and the cabling to be carried out by the vendor?	Yes, it has to be carried out as per the requirement of site and project.
162	SPEC Page 62		7. For patient calling we have a web based application and can be called from the doctor or counter PC?	Both the options should be made available to client i.e. Hardware based calling pad and QMS software terminal to call the next patient. It shall be as per the requirement of client.

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
163	SPEC Page 68		8. Would they want the patient to enter his/her name at the time of generating token, as it is mentioned to display the token number and the patient name in the display?	Patient should only enter his UHID/Mobile no. in the case of appointment case. For Walk-in patients, token shall be issued either at the registration counter or by self help kiosk machine. The same has to be customized as per the requirement of client. Name to be displayed outside consultant room where name will be fetched by the system automatically as QMS will be integrated with HMIS and at the time of registration, patient's name is captured in HMIS.
164	SPEC Page 70		9. Would they require a separate kiosk for self appointment?	The self appointment kiosk is already part of the BOQ.
165	SPEC Page 70		10. Would they require a separate machine for patient feedback or a feedback section in the ticket dispensing machine?	The self appointment kiosk which is already part of the BOQ shall be used.
166	SPEC Page 72		11. Instead of a LED counter display we can provide an LCD based display, which is a better solution.	Both the display option can be used as per the requirement of client.
167			12. Should it print barcode or QR code at what stage would the QR code be used by the patient?	QR code will be available on token or on mobile. Patient will display his QR code in the kiosks in any other device capable to read code and will display all the relevant information for the patient.
168			13. What is visible and invisible queue, virtual queue or otherwise?	Visible queue is patients in queue having tokens. Invisible or virtual queue is the patient queue having relevant information in mobile via SMS/email.
169	Page13 of122	In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed	The discrepancy between the order of Preference on SPEC Page E-3 R 1	as per specifications
170		a) Description of Schedule of Quantities	CPWD/ IS specification, BOQ, Drawing, Technical specifications	
171		b) Particular specifications and Special Condition, if any.		
172		c) Drawings		
173		d) CPWD Specifications	Request to clarify/ confirm, which one follows.	
174		e) Indian Standard Specifications of B.I.S.		

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
175	SPEC Page E-200 R0	Transformers	The approved makes M/s ABB, Schneider, Alstom & GE does not manufacturer of Cast Resin Type Transformers. .So we request you to give approval of M/s Raychem-RPG, M/s Kirloskar, M/s Voltamp make also.	Transformer are ONAN type
176	SPEC Page E-202 R0	Cable Tray / Raceway	The approved makes M/s Legrand & M/s Copper does not manufacturer of Cable Trays/Raceways as per Tender BOQ & specifications. So we request you to give approval of M/s AKG & RMCON, Slotco, MEM make also.	OBO/ Legrand/ Cooper/BEC /Pilco Marketing and manufacturing Pvt.Ltd/Profab Engineers
177	SPEC Page E-203 R0	Solar Power System	The approved makes M/S CEL, BEL,,BHEL are manufacturing only Solar PV module & not doing Trunkey project, So we request you to give approval of M/s Moser Baer, Autonic, Panasonic, Vikram Solar make also.	MNER certification for last 10 years can provide solar photovoltaic
179		BOQ point no. b. 1 No.- Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.
180		BOQ point no. c. 1.No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions. AHRI certified selection sheet shall be with VFD starters.
181			Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	Shall be as per tender conditions.
182		BOQ point no. c. VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
183		BOQ point no. e. 1 No.- ASME stamped matching shell and tube water cooled condenser of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 8 m water head. BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	All vendors can offer chiller with pressure vessels along with ASME U-Stamping. We will be adhering for the same.	Shall be as per tender contitions.
184		BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify.  Also Specification document doesn't ask for Marine water boxes on evaporator.  Please confirm if it is needed.	Required. Shall be as per tender conditions.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
185		Specification point no. 1.1.11 Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
186	Tec Specs Chillers	Sight Glass to check the level of Refrigerent	CARRIER-The proposed centrifugal chiller has compressor oil level sight glass and a Motor sight glass. For refrigerent, we have a Refrigerentleak detection system in built into the chiller which is superior and more reliable to refrigerent sight glass. The detector gives signal to alarm which i turn will alert the operator. Please accept the same.	Standard design of the manufacturer acceptable.
187	BOQ	Chiller- Maximum head loss 5 M water head	CARRIER-We request to kindly accept chiller water head loss upto 8 M.	Shall be as per tender contitions.
188			1) Chiller:	
189			a. Request you to please consider Voltas make Imported centrifugal chiller manufacturing at Danhum bush Malesia factory.	Shall be as per tender contitions.
190			b. Do we require harmonic filters along with VFD for chillers?	Shall be as per tender contitions.
191			c. Please confirm number of compressors/circuit required for chiller.	Shall be as per tender contitions.
192			d. Factory testing required or not, if yes please confirm number of point testing is required.	For imported chiller witness test not required.
193			e. Do we require ASME stamping or not?	Shall be as per tender contitions.
194			f. Request you to please share IO list for enabling us to quote plant room manager.	Shall be as per tender conditions.
195			2) Pump:	
196			a. Please confirm bypass starter is required or not for variable pumping system.	not required. Shall be as per tender conditions.
197			3) Air Handling Units:	
198			a. VFD is required for motor or not? If yes, please confirm protection rating for enclosure.	Shall be as per tender conditions.
199			b. AHU Starter Panel-VFD bypass starter required or not.	Shall be as per tender conditions.
200			c. Please confirm AHU panel thickness?	
201			4) CHW Pipe Insulation: Can we consider nitrile rubber insulation instead of PUF?	Shall be as per tender conditions.
203			5) We request you to please provide single line diagram enabling us to quote electrical panel for plant room as well as starter panel of equipment.	Shall be as per tender conditions.
204			6) Ducting: Can we consider TDF flanges instead of angle flanges?	Shall be as per tender conditions.
205			7) Please confirm for the following:	
206			a. Do they have any duty benefit for proposed hospital?	Shall be as per tender conditions.
207			b. Octroi/Local tax applicable or not?	Shall be as per tender conditions.
208	BE Billimoria			
209	Electrical Work Section 17 Lift - Item No. 17.03	Please inform, Alternate makes & Contact details for Dumbwaiter lift as we are not getting quotes from the vendors mentioned in the approved Vendor List.		As per approved make list

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
210	Section specialized Services for 500 Bedded SSB for Goa	Please provide us the approved Turnkey Subcontractor's contact details for the following works / vendors i) CSSD ii) Medical, Gas, manifold fittings iii) Laundry equipments iv) Kitchen equipments v) Bio Medical Waste Management vi) Mortuary vii) Modular Operation Theatre	Vol 4 Technical Specification for IT Infrastructure	As per tender
211	Technical Specifications of IT Works	Please provide us the Contact details of I.T. work vendors given in the approved make list		Bidders have to find out the relevant contact details by themselves.
212	BOQ for Development of IT Infrastructure, Serial No. 3, Server Hardware for HMIS and PACS	Kindly provide us break-up of the amount		Bidders have to calculate themselves.
215	Clause 2 Compensation for delay	Compensation @ 1.5% of the tendered value per month of delay for delay of work to be computed on per day basis. Provided that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the tendered value of work.	We request you to modify the clause as follows: Compensation for delay of work @ 0.5% per month of delay to be computed on per day basis. The compensation for delay shall not exceed 5% of the contract value.	As per tender condition.
216	Clause 2A Incentive for early completion	Clause 2A not applicable	We request to provide the applicability as "Yes" in Schedule-F for Clause 2A: Incentive for early completion.	Schedule -F : Clause 2 : Authority for deciding incentive under Clause 2A.- Director (Engineering), HSCC (India) Limited. Schedule -F : Clause 2 : Whether Clause 2A shall be applicable – Yes
217	Clause 9	If the tendered value of work exceeds Rs 2.5 Crore shall be within period of 6 Months	Request to reduce the period to 2 months instead of 6 months	As per tender condition.
218	SCC Clause 31.5	No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	We request you to allow for adequate compensation for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	As per tender condition.
219	Form T-8	As per Tender Document, 2 Batching Plants are required.	Based on Concrete quantity, only one Batching plant is sufficient. Hence, request you to change the requirement to one Batching plant.	As per tender condition.
220		A High Tension Electric Line is shown near the proposed Building.	We presume that the HT Line will be shifted before the start of work. Please clarify.	To be shifted during execution.
221	4.0 walls & partitions	Exposed decorative laterite Patradevi stone in cum	Request to provide the basic price and size of for Patradevi stone	As per tender conditions/site requirements.
222	SANITARY Fixtures	Sanitary Fittings	Since the sanitary fittings has wide range from low end to high end, request you to provide us the model numbers.	As per tender condition
223	SANITARY Fixtures 1.01 & 1.02	Providing and fixing of White Vitreous china closed coupled water closet with	Quantity is same for item no.1 & 2. Quantity repeated for two different specification . Hence request you to clarify.	As per tender condition
224	Water supply	CPVC Pipes	Kindly provide us pressure class of the pipe. (SDR 11 or SDR 13.5)	SDR 11
225		Solar water heater	As per technical specification TATA BP/EMMVEE is mentioned whereas approved make list has Maharishi solar and Green sol Hence request you to confirm which is to be followed.	As per approved make list

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
226	STP 11 PHE 50-58	Sewage Treatment Plant (335 KLD) : 1.Designing,.....and execution of all civil, sturctual.... 2. complte mecanical bar screen..... Upto ground formation level (excluding civil works)	We presume that STP is excluding civil works and the same shall be measured and paid somewhere else in civil works. Kindly confirm. Also, provide us the technical specification for STP & ETP	As per tender condition
227	STP 11 PHE 51	RCC grit chamber with grit removal..... 825 cum per day	We undertand that STP capacity to be designed for 335 cum/day whereas RCC grit chamber capacity mentioned is 825 cum/day. We presume STP shall be designed for 335 cum / day only. Kindly confirm it.	335 CUM/Day
228	ETP 12	Effluent Treatment Plant	We presume that ETP is excluding civil works and the same shall be measured and paid somewhere else in civil works. Kindly confirm.	civil works shall be measured and paid saperately
229	VOL01NITANDPQ Page 8 of 62	List of Documents to be scanned and uploaded within the period of bid submission: v. Affidavit / Undertaking for engaging specialized agencies- (Form H)	Associating agency shall be finalized after award of contract only and hence form H shall be submitted after award of contract and finalization of agency  Please confirm	As per tender
230	VOL05BOQ		Tender BOQ is available in "pdf" format only.  Request you to kindly share the BOQ in "MS Excel" format for our working purpose.	As per tender
231	VOL05BOQ	DSR / NDSR Items	Demarcation of DSR & NDSR items are not furnished for electrical items in tender BOQ.  Request you to kindly furnish the same.	As per tender condition
232	VOL05BOQ	Cost index for DSR items	Cost index for DSR items are not applied for electrical DSR items like provided for other works / sections in the tender BOQ.  Request you to kindly furnish the cost index and demarcation of DSR Items in electrical BOQ.	As per tender condition
233	VOL06TENDERDRAWINGPART		Electrical SLD layouts are not available in the tender documents. Request you to kindly provide the same for our reference	SLD will be provided to successful bidder.
234	VOL06TENDERDRAWINGPART		DG Set room detail layouts are not available in the tender documents.  So, request you to kindly furnish the detailed BOQ of DG lowside works	DG will be installed outside building.
235	VOL04TECHSPECS Page 95 of 640	3.3.12 TESTS The vendor shall submit the type test certificate for following along with the offer.	Vendors shall be finalized after award of contract only. Hence the type test certificates of equipments shall be furnished during vendor finalization after award of contract  Kindly confirm	OK
236	VOL04TECHSPECS Page 91 of 640		Technical specifications are available for 11KV HT Panel whereas BOQ calls for 33KV HT Panel.  Request you to kindly provide the technical specification for 33KV HT Panel	As per CPWD /IS specification

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
237	VOL04TECHSPECS Page 96 of 640	All H.T cables shall be of 11kv grade XLPE earthed insulated & PVC sheathed flat steel wires (strips) armored electrical purity aluminum conductor cables shall be manufactured & tested in accordance with IS Specification.	Technical specifications are available for 11KV HT Cable whereas BOQ calls for 33KV HT Cable.  Request you to kindly provide the technical specification for 33KV HT Cable	As per CPWD /IS specification
238	VOL04TECHSPECS Page 134 of 640	The main trials shall include over 8 hours continuous run at full load. D.G. Panel shall be tested for automatic operation by injecting proper current and voltage by a separate source	We presume that building load can be considered for load test at site.  Please confirm	As per tender
239	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 3_R0 Page 183 of 348	Supply, installation, testing and commissioning of 2500 KVA, 33kV/0.433 kV,, 3 Phase, 4 wire, 50 Hz., ON-AN Transformer, Dyn11 Vector group, copper bound Class F insulation with outdoor duty type, On load tap changer on HV Side range -15%, 0, +5% in the steps of 1.25% per step, type transformer with RTCC+AVR inclusive of all control cable. Cable box connection including cable adapter box at primary and secondary end (LT side) shall be connected through busduct/ cable, complete with all accessories including first filling of oil, double float buchholz relay protection, high winding temperature, oil temperture sensors and gauges etc. confirming to IS 1180 ammended upto date, interconnection of control cables and accessories etc complete	Being ON-AN transformer, we presume that Class A insulation shall be accepted as pre IS 1180.  Please confirm whether we can consider the same.	insulation will be as per IS 1180

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
240	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 3_R0 Page 183 of 348	Supply, installation, testing and commissioning of 2500 KVA, 33kV/0.433 kV., 3 Phase, 4 wire, 50 Hz., ON-AN Transformer, Dyn11 Vector group, copper bound Class F insulation with outdoor duty type, On load tap changer on HV Side range -15%, 0, +5% in the steps of 1.25% per step, type transformer with RTCC+AVR inclusive of all control cable. Cable box connection including cable adapter box at primary and secondary end (LT side) shall be connected through busduct/ cable, complete with all accessories including first filling of oil, double float buchholz relay protection, high winding temperature, oil temperture sensors and gauges etc. confirming to IS 1180 ammended upto date, interconnection of control cables and accessories etc complete	Tapping range for OLTC shall be considered with +5% to -15% in steps of 2.5% as per standard offering of approved Manufacturers  Please confirm	as per IS 1180
241	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 4_R0 Page 184 of 348	Supply, Installation, testing and commissioning of following rating 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct having 65kA short ckt for one Second with temperature rise of 55Deg. above ambient of 40deg. In extruded aluminium/ sheet steel housing suitable for operation on 415V, 50Hz AC supply with 50% neutral complete with all accessories bends, flange ends with adapator box, Tinned copper laminated flexibles for all the panels , flexible joints, earth bus (minimum 2 runs of suitable rating aluminum strips), plug in point at required positions, expansion joints, transposition joint, end covers, ceiling/wall/ floor mounted support structure of painted/ powder coated with required hardware for installation, supporting arrangements, etc. Indoor type busduct shall be IP54 & Outdoor Busduct shall be IP65 protected . Outdoor /indoor duty type complete as per technical specifications and as requirment. Note- for outdoor installtion canopy will be mounted on bus duct for protection. Canopy Fabricated out of 1.2mm GI/CRCA powder painted. OUTDOOR TYPE BUSDUCT (IP65) with Canaopy Fabricated out of 1.2mm GI / CRCA Powder painted	Electrical busduct routing layout is not available in the tender documents. Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
242	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 4_R0 Page 184 of 348	Laying of one number XLPE power cable of 33 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	Request you to kidly specify the depth of the excavation to be considered for this line item.	as per IS code

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
243	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 6_R0 Page 186 of 348	1.13) Providing and fixing of M.S Slotted angle iron with fixing materials and painting for cable racks in trenches/ on wall etc. as required.  1.14) Providing and fixing of M.S Slotted angle 'C' channel/ Ladder type rack/ tray including fixing material grouted in wall or haning with M.S rod hanger from ceiling including 2 coat synthetic enamel painting over 1 coat of red oxide primer etc. as required.	Separate line items for cable tray supports are specified in SI No 1.13 and 1.14  Hence we presume that under SI No 1.15 cost to be considered for only cable trays without cost for any structural supports.  Please confirm	As per tender condition
244	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 6_R0 Page 186 of 348	Fabrication and Installing following size of preforted M.S Cable tray including Horizontal and vertical bends, reducers, tee, crossmember and other accessories as required and duly Suspended from the ceiling with M.S 12 mm rod suspenders and including painting etc. as required.  As per technical specification, page 240 of 640 , clause 20.7 says Factory fabricated bends, reducers, tee/cross junctions, etc. shall be provided as per good engineering practice (Details are typically shown in figure 3 of CPWD General Specification of Electrical Work Part II -1994).	Furnished unit rates are only for staright length without any accessories like bends, reducer, tees, crossmember etc. As per CPWD DSR 2016, separate line items are available for these accessories. All these accessories are costlier than unit rate of straight length in running meter.  Since separate line items for these accessories are not available, we presume that site fabricated cable tray accessories are accepted for this project and will be measured alongwith straight lengths in running meter.  Please confirm.	As per tender condition

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
245	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 15_R0 Page 195 of 348	DG SET OF 1250 KVA Supplying and fixing of suitable sizes Heavy class MS pipe for DG exhaust complete with bends, elbow, flanges etc including silencer and catalytic convertor exhaust pipe /chimney including support as per CPCB norms for exhaust of DG sets.	Engines offered by the Approved Makes comply to latest CPCB Emission Norms and hence Catalytic Convertors are not being offered by the approved Engine OEA's. Hence Offered DG Sets shall be provided without catalytic Converter. Please confirm	DG will be as per latest CPCB norms
246	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Design, supply, installation, testing & commissioning of 20 KL underground MS diesel tank including all related civil works foundation, fencing, platform, for unloading of diesel . Flame proof push buttons, pumps (one working & one standby) for supplying of diesel from this UG tank to day tanks of all the DG sets complete with cabling, earthing, piping, float switches etc. Extinguishers shall be as per fire norms. including all necessary approvals from chief controller of explosives	Request you to kindly specify the distance to be considered between underground diesel tank and day tank.	as per actual site condition.
247	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adaptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). i 400 A , 415 volts 35KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
248	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adaptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). ii 630 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
249	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adoptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). iii 1000 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
250	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adoptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). iv 2000 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
251	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 41_R0 Page 221 of 348	Wiring for light point/fanpoint/ exhaust fan point/call bell point with 1.5 sq.mm. PVC insulated, fire retardant low smoke (FRLS) copper conductor cable, single core/ multi strand, in steel conduit (Including supplying & recess laying of MS conduit and accessories) including the following and complete as required Point wiring as mentioned above	Request you to kindly specify the average lengths to be considered for this line item	as per tender drawings
252	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 42_R0 Page 222 of 348	Wiring for twin control light points with 1.5 sq.mm. PVC insulated, FRLS copper conductor cable in MS conduit (including supplying and recess laying of MS conduit) including the following and complete as required Wiring for twin control light points as mentioned above	Request you to kindly specify the average lengths to be considered for this line item	as per tender drawings
253	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 44_R0 Page 224 of 348	1 x 20 W LED box type fluorescent light fixture (LED ASTRA, Philips BN 150 W LED 20S-6500 PSE OD GR with minimum system lumen 2000 or approved equivalent from list of Makes)(120bw )	Aesthetic finish may vary from model to model. Hence, request you to kindly specify the model number for this line item from each of the approved makes	equivalent model of other approved make with same technical specification will be considered

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
254	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 44_R0 Page 224 of 348	1 x 20 W LED box type fluorescent light fixture (Philips BN108C LED 20S PSU CDL WH including Mounting Accessories, with minimum system lumen 2100 or approved equivalent from list of Makes )(136b/ 136bw)	Aesthetic finish may vary from model to model. Hence, request you to kindly specify the model number for this line item from each of the approved makes	equivalent model of other approved make with same technical specification will be considered
255	VOL04TECHSPECS Page 286 of 640	Outdoor light fixtures	List of approved makes for outdoor light fixtures are not available in the tender documents  Request you to kindly furnish the same.	outdoor light fixtures are part of approved make of light fixture
256	VOL04TECHSPECS Page 286 of 640	Steel light poles	List of approved makes for Steel light poles are not available in the tender documents  Request you to kindly furnish the same.	Jindal/Bombay Poles/Bajaj/Pierlite/Pruith Engg.
257	VOL04TECHSPECS Page 286 of 640	Approved makes for VCB Panel board / RMU are Siemens / L&T / ABB / Schneider	Request you to kindly confirm whether authorized system integrators of Siemens/L&T/ABB/Schneider can be considered for 33 KV VCB Panel Board/ RMU.	No change, As per approved make list
258	VOL04TECHSPECS Page 286 of 640	Approved makes for Main LT Panel/ APFC panels/Main AC panel are Siemens / L&T / ABB / Schneider	Request you to kindly confirm whether authorized system integrators of Siemens/L&T/ABB/Schneider can be considered for Main LT Panel/ APFC panels/Main AC panel	Main LT Panel/APFC/Main LT Panel: Siemens/L&T/ABB/Schneider/ SPC Electrotech Ltd./Tricolite/Adlec. Panel will be fabricated as per IEC: 60439
259	VOL05BOQ	Supply, fixing, testing and commissioning of distribution tap off box of following Capacity on the existing rising mains complete with Four Pole, Moulded Case Circuit Breaker, interconnection, earthing etc. complete as required. 250 Amps with MCCB 35 KA  Unit rate specified for this line item is Rs. 5747/-	There is a discrepancy in the unit rate specified for this line item compared to other unit rates of similar / higher ratings and market price.  Request you to kindly amend the rates.	shall be dealt as per market rate
260	VOL05BOQ	Supply and laying of Flexible Industrial cable, Copper Conductor , FR PVC insulated 1100 volts conforming to IS 694/1990 or ammended uptodate in fexiabel MS conduit / Pipe ,Complete with termination and testing as per requirement 10 Sqmm  Unit rate specified for this line item is Rs. 11/--	There is a discrepancy in the unit rate specified for this line item compared to other unit rates of similar / higher ratings and market price.  Request you to kindly amend the rates.	shall be dealt as per market rate
261	Clause No. 4.0  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	Equipment shall be strictly as per the list of approved makes/manufacturers given in the Bid documents. However, final choice of make shall lie with the Engineer.	Since this is a competitive bid and List of approved makes has been provided as part of NIT documents, to ensure fair bidding the contractor shall have the liberty to choose from any of the approved makes listed subject to compliance to specifications . Please confirm.  And thereby request you to delete the clause  "However, final choice of make shall lie with the Engineer."	Shall be as per tender conditions.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
262	Clause No. 11.0  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	The Contractor shall submit samples of items such as grilles/ diffusers, valves, controls and/ or any other parts or equipment as required by the Engineer for prior approval in writing before placing the order. The Contractor shall also construct prototype or samples of work as laid down in the Contract or as instructed by the Engineer. Such samples and prototypes after approval shall be retained by the Engineer and shall serve as the standards to be achieved in final construction.	Samples shall be submitted for the HVAC visible items inside the Conditioned Space like Grilles & Diffusers & Valves only. Please Confirm.	Shall be as per tender conditions.
263	Clause No. 13.2  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	In addition to the above testing, final performance and capacity tests shall be carried out on the equipment as per the "Testing Schedules" during the defects liability period as follows: a. Peak summer/ monsoon test during the period from 15th may to 31st July. The installations should be able to maintain the specified ..... ..... ..... cost of electricity, manpower, and fuel etc will have to be arranged & paid by the contractor.	Testing shall be done once prior to Commissioning. Please Confirm.	Shall be as per tender conditions.
264	Item No.1.0  VOL05BOQ	o. Lot-RCC/Cement concrete foundation i/c necessary spring isolators with 25 mm deflection from OEM for the chilling unit.	We presume the Equipment Foundation cost shall be Provided by the Civil Contractor as per the Technical Specification Document, refer Page No. Specs - AC-Page - 18.  "8.0 Items to be provided by other Agencies to AC contractor:"  Please Confirm.	Yes
265	Item No.4 & 4.2  VOL05BOQ	> Floor Mounted Air Handling Units > Ceiling Suspended Air Handling Units > OT AHUs	Please provide the Tonnage of all the air handling Units.	CFM, Static pressure, no of rows for cooling coil, heating coil mentioned. Tonnage shall be as per heat load sheet provided.
266	Item No.14.0  VOL05BOQ	Supply, laying/fixing, testing and commissioning of G.I. medium class ERW piping confirming to IS:1239 with necessary clamps, supports, anti vibration mountings, hangers and fittings such as bends, tees, reducers etc. duly insulated and painted as per specifications for condensate drain from air handling units and chillers etc.	Please confirm the thickness of drain piping insulation.	50 mm.
267	Item No.17.0  VOL05BOQ		Please confirm the Torque of actuators of Fire damper.	shall be as per requirement and sizes.
268	Clause 1.0  HVAC TECHSPECS	AHRI certified selection sheets should mention VFD with active harmonic filter and sound level at 100%, 75%, 50% and 25% load as per AHRI standard and sound level at part load should not exceed full load.	We presume the travelling, Boarding & Lodging expenses of Client/Consultant shall be borne by Client. Please Confirm.	Witness test not required.
269	General		Please provide the drawings in AUTOCAD Form.	Shall be issued to successful bidder.
270	BOQ point no. b.	1 No.- Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.
271	BOQ point no. c.	1.No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
272			Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	Shall be as per tender conditions.
273	BOQ point no. c.	VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
274	BOQ point no. f.	1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify.  Also Specification document doesn't ask for Marine water boxes on evaporator.  Please confirm if it is needed.	Required. Shall be as per tender conditions.
275	Specification point no. 1.1.11	Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
276	Vol 1 NIT	As per Tender Document, 2 Batching Plants are required.	Based on Concrete quantity, only one Batching plant is sufficient. Hence, request you to change the requirement to one Batching plant.	As per tender condition.
277	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for PVC floor: Gerflor/ Tarkett/ Forbo/ Polyfloor/ Armstrong/ Altro	Request you to include TECO Italy as approved makes for PVC Floor	As per tender condition.
278	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for Ceiling filtration system (Air Management system): Vokes air/Weiss Technik/Trilux/Sagicofim/Telstar Lifesciences/Flaktwood/Viessman	Request you to include TECO Italy/ ATA France as approved makes for Ceiling filtration System.	As per tender condition.
279	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for Wall Panel (SMCS): SHD/Comessa/Pneumatic/Medepha/Operisti/ Gremit	Request you to include TECO Italy/ Dagard France as approved makes for Wall Panel	As per tender condition.
280	Vol 4 Technical Specification for IT Infrastructure	Approved SI/IT Firms: Accenture/TCS/ Infosys/Capgemini/Inspira/CSC	Request you to include L&T Infotech and AGFA Healthcare Pvt Ltd as approved SI/IT firms.	No Change. Tender condition prevails.
281	Vol 4 Technical Specification for IT Infrastructure	Approved makes for PACS Workstation:HP/ Dell	Request you to include Lenovo and IBM as approved makes for PACS Workstation.	No Change. Tender condition prevails.
282	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Desktop, Notebook PC & Thin Client: HP/ Dell	Request you to include Lenovo and IBM as approved makes for Desktop, Notebook PC & Thin Client.	No Change. Tender condition prevails.
283	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Tablet: HP/ Dell/ Samsung	Request you to include Lenovo and IBM as approved makes for Desktop, Notebook PC & Thin Client.	No Change. Tender condition prevails.
284	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Printer & Scanner: HP/ Ricoh	Request you to include Epson as approved makes for Printer & Scanner.	No Change. Tender condition prevails.
285	BOQ - V			

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
286	3.1	Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge.	Please provide us the detailed drawing.& thickness of cover plate & detailed specification	As per CPWD Specifications/ tender conditions
287	3.11	Providing and fixing of expansion joint system related with wall joint (internal/ external) locationas per drawings and direction	Please provide us the detailed drawing & detailed specification	As per CPWD Specifications/ tender conditions
288	3.12	Providing and fixing of expansion joint system of approved make and manufacture for various roof locations as per approved drawings and direction of Engineer-In-Charge.....	Please provide us the Approved drawing & detailed specification.& provide the details regarding the various roof location	As per CPWD Specifications/ tender conditions
289	3.13	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet	Please provide us the Approved drawing & detailed specification & also provide approve approved pattern	As per CPWD Specifications/ tender conditions
290	4.01	Providing and laying auto claved aerated cement(AAC) plinth level up to floor masonry in super structure above....	Please specify the size of AAC and detailed specification	As per CPWD Specifications/ tender conditions
291	4.03	Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPSCore) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded.....	Please provide us the detailed drawing.	As per tender conditions
292	4.07	Applying breathable, non reactive, antifungal and water approved by Engineer of approved brand and manufacture repellent silane /siloxane chemical.....	Please provide us the approved brand.	As per tender conditions
293	4.18	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board,including providing and fixing of frame work made of special section power pressed/ roll form	Please provide the detailed drawing or sectional drawing showing channel section details	As per tender conditions
294	4.19	Providing & fixing Classique Invincible Toilet Cubicle of Greenlam Sturdo / merino or equivalent approved make of sizes as per drawing.....	Please provide the drawing	As per tender conditions
295	5.03	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868.....	Please provide the drawing	As per tender conditions
296	5.06	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc...	Please provide the drawing	As per tender conditions
297	5.07	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shadeaccording to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern,.....	please clarify approved design/pattern,with approved standard section	As per tender conditions
298	5.16	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt// suede finish.....	Please provide us what is to be considered Laminated sheet of plain / wood grain in gloss / matt// suede finish &also provide the basic rates	As per tender conditions
299	5.17& 5.18&5.19	Providing and fixing factory made door frame (single rebate) made out of single piece extruded...	Please provide us with technical specification or drawings	As per tender conditions
300	6.02	Providing and fixing hand rail of approved size by welding etc.....	Please provide us detailed drawing of handrail &and appoved size	As per tender conditions
301	6.03	Providing and fixing M.S. grills of required pattern in frames of windows etc.	please provide us required pattern of grills in frames of windows etc.	As per tender conditions
302	7.03	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved.....	As the prices varies individually of diffrent stones,please provide us which stone is to be considered. Provide basic rates of the stones to be considered.	As per tender conditions
303		a) Raj Nagar plain		
304		b) Udaipur green/Jaiselmer marble		
305	7.04	Providing and fixing machine cut, mirror / eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design .....	since prices vary for individually of diffrent stones,for flamed/polished,so please provide us what is to be considered flamed /polished Provide basic rates of the stones to be considered	As per tender conditions
306		18 mm thick Flamed/polished granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent		

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
307	7.05	Providing and laying Polished / flamed finish Granite stone flooring in required design and patterns,.....	since prices vary for individually of different stones, for flamed/polished, so please provide us what is to be considered flamed /polished Provide basic rates of the stones to be considered also provide design and pattern	As per tender conditions
308		a) Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.		
309	7.07	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars....	since the prices vary individually of different stones, for flamed/polished, so please clarify us what is to be considered flamed /polished. Provide basic rates of the stones to be considered.	As per tender conditions
310	7.08	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make.....	Please provide us the basic rates	
311	7.09	Item no 7.09 to 7.11	Please provide us the basic rates	As per tender conditions
312	7.14	Providing and fixing glazed screen printed border tile 75mm wide having thickness 5mm, of approved quality	Please provide us the basic rates & approved makes	As per tender conditions
313	7.15	Providing and fixing machine cut, mirror/ eggshell polished, Marble stone work .....	since the prices vary for individually of different stones, please provide us the basic prices to be considered.	As per tender conditions
314		18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.		
315	7.16	Providing and laying machine cut, mirror polished Marble stone flooring, in required ....	since the prices vary individually of different stones, please provide us which stone is to be considered. Provide basic rates of the stones to be considered.	As per tender conditions
316		18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.		
317		Pvc Grab rail crash guard system		
318	7.19	The system of approved brand and manufacturing with different colour strips.....	kindly provide the details approved makes	As per tender conditions
319	7.26	Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height...	please provide us detailed drawing .& also mention about the height to be raised & also mention the detail specification	As per tender conditions
320	8.01	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level...	Please provide us the drawing & approved texture of false ceiling tile & its approved makes	As per tender conditions
321	8.02	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle...	Please provide us sectional drawing & specifications	As per tender conditions
322	8.03	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special section....	Please provide us sectional drawing & specifications	As per tender conditions
323	8.04	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern	Please provide us sectional drawing & specifications & approved texture design and pattern of mineral fibre tile..	As per tender conditions
324	8.08	Water proofing on terrace garden slab/ basement roof slab: Providing and applying cold applied bituminous primer of approved brand & manufacture over slab substrate. Providing and applying 2 mm thick high performance cold applied self adhesive waterproof sheet membrane of approved brand & manufacture.....	Please provide us approved brands of self adhesive waterproof sheet membrane	As per tender conditions
325	8.12	Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance.....	Please provide us the thickness of coat	As per tender conditions
326	8.15	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern.....	Please provide us approved size & pattern and drawing of the steel frame	As per tender conditions

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
327	10.01	Proving and fixing glass Reinforced Concrete (G.R.C) Screens in approved size, pattern design, thickness and color of approved make .....	Please provide detailed drawing with location point of grc screen in a building & details of fixtures and fittings.	As per tender conditions
328	10.02	Providing and supplying aluminium extruded tubular and other aluminium sections as per thearchitectural drawings and approved shop drawings , the aluminium.....	please provide the drawings & specification	As per tender conditions
329	10.04	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermeticallysealed6-12- 6 mm insulated glass.....	please provide the drawings & specification& colour	As per tender conditions
330	11.15	Proving & fixing Selection no.1 grass turf with earth 50 mm to 60 mm thickness.....	Please provide the alternate option for selection No. 1 grass turf as it is not available.Provide basic rates of the stones to be considered.	As per tender conditions
331	1.01	Providing and fixing of White Vitreous china closed coupled water closet with vitreous china cistern,with dual flush fitting.....	Please provide the catalogue no.or model no	As per tender condition
332	1.02	Supply of White Vitreous china extended wall mounting water closet with dual flush Concealed Cisternwith fitting of flushing.....	Please provide the catalogue no.or model no	As per tender condition
333	1.03	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron Por S trap.....	Please provide the catalogue no.or model no & please mention appropriate approved brands as this item description doesnot match with the given approved brand in the document	As per tender condition
335	1.04	Supply and fixing of white glazed vitreous china wash basin with R.S. or C.I. brackets painted white,C.P. brass chain with rubber plug 32 mm.....	Please provide the catalogue no.or model no	As per tender condition
336	1.07	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. Brass pillar taps, 32 mm C.P. Brass.....	Please confirm if it is wall flanged pillar taps or elbow operated lever type& catalogue no or model no	As per tender condition
337		a) White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI marked.....		As per tender condition
338	1.08	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain withrubber plug,	Please provide the catalogue no.or model no	As per tender condition
339	1.19	Providing and fixing vitreous china division plate of size 750x165x365 mm of approved make anddesign including brass cleats,C.P.	Please provide the catalogue no.or model no & please mention suitable approved brands as this item description does not match with the given approved brand in the document	As per tender condition
340	1.21	Providing and fixing Hospital S S 304 -18 SWG(thickness 1.2 mm) bed pan sink with P trap, size 850Wx 600Dx300Hmm.....	Please provide the approved makes of bed pan sink & catalogue no or model no	As per tender condition
341	3.01	water supply		
342		providing and fixing Chlorinated Polyvenyl Chloride(CPVC)pipes having thermal stability for hot & cold water supply.....	In the given boq it is mentioned the pipe of dia62.5 but cpvc pipe 62.5 dia sdr 11is not available.	As per tender condition
343	3.19	Providing and fixing enclosed type water meter ( bulk type) conforming to IS : 2373 and tested bymunicipal .....	Please provide the approved makes	As per tender condition
344	3.3	Providing & fixing SS body solid state fully hygienic no touch hand drier of approved make rated forcontinuous repeat usag.....	Please provide us the detail specification,or capacity,power,air speed, water splash, voltage& also mention the basic rates	As per tender condition
345	3.28	Providing and fixing C.P. brass lab sink pillar tap with long elbow operating lever handle of approvedmodel and make complete in all respect.....	approved brands which are mentioned in specification does not have this item .	As per tender condition
346	3.32	providing & fixing water storage cooler of approved make and brand with SS body having minimum flow rate of 40 ltrs. Per hour and storage capacity 80 ltrs.	Please provide the approved makes	As per tender condition
347	4.17	Providing and laying Laboratory/hospital effluent waste pipe and fitting of high density polyethelene...	Please provide the units of this item	As per tender condition
348	5.01	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot &	Please provide the grade of cpvc pipe	As per tender condition
349	5.22	Supply & fixing of Fire-stop Fire sealing System Board Type(barriers) of approved make for...	Please provide the approved makes	As per tender condition

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
350	5.26	Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced...	Please provide us the drawing and detail specification	As per CPWD Specification and tender conditions.
351	5.33	Providing and fixing factory made uPVC white colour windows comprising of uPVC casement/casement cum fixed glazed....	Please provide us the drawing and detail specification	As per CPWD Specification and tender conditions.
352	Electrical Sr.no 7	UPS	The rate given for UPS seems to be only after considering single UPS and not for a set as specified in BOQ.	<b>Amended Electrical Bill of Quantity/Estimate attached as Annexure - I may be referred.</b>
353	Stp	Planning, Designing, Detailing, Supplying, Erection, Testing and Commissioning of Package Sewage treatment plant based on MBBR (Moving bed Bio Reactor)/FAB technology.....	The inlet Raw water parameters and outlet treated water parameters are not been given,	As per tender condition
354			The technology requirement is mentioned as MBBR. Other SBR Technology may be considered.	As per tender condition
355			Please confirm whether batching plant can be set up inside plot premises.	As per tender condition
356	BOQ Item No 3.10, 3.11 & 3.12	Expansion Joint Work	Please provide detail drawing, make & approved vendors for expansion joint work.	As per tender conditions.
357	BOQ Item No 4.01	AAC Block Work	Please provide thickness of AAC blocks	As per CPWD Specifications & tender conditions.
358	BOQ Item No 4.04	decorative laterite masonry using selected Patradevi stone	Please provide basic rate of patradevi stone.	The item shall be carried out as per Goa Schedule of rates
359	BOQ Item No 4.13 a	50 mm thick decorative Laterite stone tile	Please provide basic rate of laterite stone tile.	As per tender conditions.
360	BOQ Item No 5.27	Providing and fixing automatic sliding door	Please provide size of door & approved vendor for sliding door.	As per tender conditions.
361	BOQ Item No 5.48	Rolling Shutter	Please provide approved vendor of rolling shutter.	As per tender conditions.
362	BOQ Item No 7.06 & 7.07	Kota stone flooring work	Please provide basic rate of kota stone.	As per tender conditions.
363	BOQ Item No 7.08	ceramic glazed wall tiles	Please provide size of tile & basic rate of ceramic tile.	As per CPWD Specifications & tender conditions.
364	BOQ Item No 7.09, 7.10, 7.11	Vitrified & ceramic tiling	Please provide basic rate of vitrified & ceramic tile.	As per CPWD Specifications & tender conditions.
365	BOQ Item No 7.26	Providing and fixing removable raised/false access flooring	Please provide approved make of false flooring system.	As per CPWD Specifications & tender conditions.
366		Concrete Works	Please confirm percentage usage of fly ash & crush sand in concrete.	As per CPWD Specifications & tender conditions.
367		c. 1 No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection ,under voltage protection, protection against phase reversal & independent single phase preventers etc complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions.
368		Chiller to be provided with VFD along with harmonic filters.	Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  IPLV for constant speed chiller shall be as per ASHRAE 90.10	Shall be as per tender conditions.
369		VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
370		ASME Stamped condenser and evaporator	All vendors can offer chiller with pressure vessels designed as per ASME design standards. We will be adhering for the same.	Shall be as per tender conditions.
371		Drive motor shall be open type / Semi-hermetic design	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
372		Evaporator to be provided with marine water boxes	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify. Please confirm if it is needed.	Required. Shall be as per tender conditions.
373		Pressure loss on water side for condenser.	There is discrepancy on allowed pressure loss for condenser in specs and BOQ. Specification allows pressure drops upto 8 Mtr. While BOQ asks for pressure loss up to 5 MTr. We hope pressure loss up to 8 Mtr. Acceptable. Kindly confirm.	BOQ says 8 m. Shall be as per tender conditions.
374		Dry Scrubber for Kitchen	Please provide Static Pressure	As per requirements.
375		Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.	Please confirm, GSS Ducting will be Rectangular or Spiral Ducting	Rectangular ducting.
376		Centrifugal Chiller	Daikin ( Mcquay)	Shall be as per tender conditions.
377		Ventilation Fans	Airflow, Dynair	Shall be as per tender conditions.
378		Factory fabricated Ducting ( Rectangular)	Zeco	Shall be as per tender conditions.
379		Factory fabricated Ducting ( Spiral)	Westurnair Duct, Spiral Tubes, G.P. Spiro	Shall be as per tender conditions.
380		Air Distribution Products	Air Products. Cosmos, Dynacraft	Shall be as per tender conditions.
381		Power & Control Cables	Polycab / KEI	Shall be as per tender conditions.
382		Cable Tray	Profab	Shall be as per tender conditions.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
383		STP and ETP	Please confirm, inlet and outlet parameter	As per tender condition.
384		STP and ETP	Please add additional make like Eureka forbes and WTE	As per tender condition.
385		Solar Heating system	Please provide contact details of BHEL, TATA BP and EMMVEE	Regret
386		CPVC pipe	Please confirm, pipe grade	As per tender condition
387		GI pipe	Please confirm, pipe grade	As per tender condition
388		Gyser	Please confirm make and model number	As per tender condition
389		R.O plant	Please confirm make and model number	As per tender condition
390	Tender Submission Date	14.02.2017 upto 15:00	We request to extend bid submission date by 2 weeks.	As per tender condition.
391	Volume I NIB & ITB SECTION-III SCOPE OF WORK Cl. 4	<p>4. The activities to be carried out for the completion of the Project shall include the following and any additional activities incidental to these:</p> <p>i. Buildings as specified.</p> <p>ii. Internal and external services as per drawings</p> <p><u>iii. Getting all approvals / permissions / planning permits of the statutory / local / governmental agencies as required incidental to construction/ completion.</u></p> <p>iv. Submission of the completion (i.e. 'as-built') drawings and other related documents, both a hard copy and the soft copy in Auto CAD or any other IT application used for the purpose.</p> <p>v. Preparation of specifications and vender list (in case not already provided) for all equipment wherever necessary and called upon to do so and getting these approved from client.</p> <p><u>vi. Obtaining occupancy certificate and related NOC's from statutory/ local/governmental agencies. Statutory payment on this account will be reimbursed by the client at actuals on production of payment receipts</u></p>	Contractor shall be responsible for Approvals, Permits & Compliance with Law related to temporary works/setups only. Please confirm.	As per tender condition.
392	GCC Cl.1A Security Deposit	security deposit of 5% of the tendered value of the work in the form of cash / Government securities / fixed deposit receipts.	We propose Bank Guarantee of equivalent amount instead of government securities. Please confirm	As per tender condition.
393	GCC Cl. 3A	<p>In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case contractor wants to close the contract, he shall give notice to the department stating the failure on the part of department. In such eventuality, the Performance Guarantee of the contractor shall be refunded within the following time limits:</p> <p>(i) If the tendered value of work is upto Rs.45 lac : 15 days</p> <p>(ii) If the tendered value of work is more than Rs.45 lac &amp; upto Rs.2.5Cr. : 21 days</p> <p>(iii) If the tendered value of work exceeds Rs.2.5 crore : 30 days</p> <p>If the PG is not released within prescribed time limit, then a simple interest @0.25% per month shall be payable on Performance Guarantee amount to the Contractor from the date of expiry of prescribed time limit.</p> <p>A compensation for such eventuality, on account of damages etc. shall be payable @ 0.25% of tendered value subject to maximum limit of Rs.10 lacs.</p>	Estimated cost of project is Rs.264 CR & 0.25% of it would be Rs.66 lacs. Contractor should get compensated for all direct & indirect losses for such eventuality at actual. (1/8th of stipulated time means 3.5 months). Please confirm.	As per tender condition.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
394	GCC Cl. 4	In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the power vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor), use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being	We kindly request any dispute should be arbitrable. Contractor should be allowed to takeout its tools,plant & other setup from the site under such circumstances.	As per tender condition.
		<b>Amended Make List for Electrical Item :-</b>		
		<b>S.No.</b>	<b>ITEM</b>	<b>MAKE</b>
		1	Main LT Panel/ APFC panels /Main AC panel	Siemens/ L&T/ABB/Schneider/ SPC Electro Tech Limited/ Tricolite/Adlec
		2	ACB	L & T 'U' Power(Omega)/ Siemens 3WL/ ABB/ Schneider (NW-Master Pact)
		3	Moulded Case Circuit Breaker	L & T – (D sine/DL) / Siemens-VA/ ABB-TMA/ Schneider (Compact NSX)
		4	Cable Trays/ Raceways	OBO/ Legrand/ Cooper/BEC /Pilco Marketing and manufacturing Pvt.Ltd/Profab Engineers
		5	Active Harmonic Filter	Siemens/ L&T/ EPCOS/ ABB/Schneider
		6	Street light poles	Jindal/Bombay Poles/Bajaj/Pierlite/Pruith Engg.

**The Contractor will be required for removal, shifting & relocation of any/all services encountered in the construction area without affecting the functionality of hospital/College.**

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
1	Vol 1, NIT and PQ, Clause 1.9, Pg. 12	Earnest Money Deposit Bid shall be accompanied with Earnest money of Rs. 273.96 lakhs in shape of demand draft of a scheduled bank issued in favour of "HSCC (India) Limited" Payable at New Delhi/Noida or fixed deposit receipt or Banker's cheque or Bank Guarantee in favour of "HSCC (India) Limited" as per Form B, having validity for six months or more from the last date of receipt of tenders or any extension thereof.	Bankers have initiated for Bank Guarantee confirmation through Structured Financial Messaging System (SFMS). As per Latest RBI Guidelines regarding Bank Guarantee, it is mandatory to advise Bank Guarantee through Electronic Mode, so we require Beneficiary Details in every case of BG Issuance or BG Renewal. Please provide the bank details- 1. Beneficiary Bank account Name 2. Beneficiary Bank account Number 3. Name of Bank & Address 4. Branch Code 5. Bank IFSC Code	1. Beneficiary Bank account Name - <b>HSCC (India) Ltd.</b> 2. Beneficiary Bank account Number - <b>17250200000151</b> 3. Name of Bank & Address - <b>Indian Oversease Bank, Kribhko Branch Sector - 1, Noida.</b> 4. Branch Code - <b>1725</b> 5. Bank IFSC Code - <b>IOBA0001725</b>
2	Vol 1, NIT and PQ, Clause 1.25, Pg. 15	The work includes a number of specialized Civil/Electrical/ Mechanical/ Electronic Engineering services etc. to be executed as integral parts of the project by engaging specialized agencies in each case meeting the eligibility criteria and after approval by the Engineer-in charge. Some of the Specialized Services (as applicable) are: - (To be filled by executing agency based on list of specialized agencies as given in para 16.10 of CPWD works manual. The eligibility criteria for carrying out of specialized items of work through specialized agencies shall be as per given in CPWD Works Manual. This shall be clearly specified by Executing Agency in tender documents)	We request you to provide List of Specialised Agencies approved by the Executing Agency.	As per tender condition.
3	Vol 1, NIT, Form A Appendix, Pg. 35	Defect Liability Period - 12 Months from the date of issue of Taking Over Certificate	Please confirm whether Defect Liability Period for overall project to be considered as 12 months.	Yes, As per tender condition.
4	Vol 2, GCC, Clause 8 and 8.1, Pg. 11	Preference of Documents The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions. In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed – a) Description of Schedule of Quantities b) Particular specification and Specific Condition, if any. c) Drawings d) CPWD Specifications e) Indian Standard Specifications of B.I.S.	In case of conflict in contractual conditions, for the purpose of interpretation, kindly share the precedence of Documents.	As per tender condition.
5	Vol 2, GCC, Clause 9	Payment of Final Bill (i) If the Tendered value of work is up to Rs. 45 lac: 2 Months (ii) If the Tendered value of work is more than Rs. 45 lac and up to Rs. 2.5 Crore: 3 Months (iii) If the Tendered value of work exceeds Rs. 2.5 Crore: 6 Months	We request you that Final Bill shall be paid to the Contractor within 3 months from the submission of Final bill.	As per tender condition.
6	Vol 2, GCC, Clause 10 B (i), Pg. 30	The contractor, on signing an indenture in the form to be specified by the Engineer in- Charge, shall be entitled to be paid during the progress of the execution of the work up to 90% of the assessed value of any materials which are in the opinion of the Engineer-in- Charge non-perishable, non-fragile and non-combustible and are in accordance with the contract and which have been brought on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works.	We presume that Secured Advance @ 90% of assessed value of any materials will be applicable for this particular tender. Kindly confirm.	As per tender condition.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
7	Vol 2, GCC, Cl. 19L, Pg. 54	The ESI and EPF contributions on the part of the Executing Agency in respect of this Contract shall be paid by the Contractor. These contributions on the part of the Executing Agency paid by the contractor shall be reimbursed by the Engineer-in-charge to the Contractor on actual basis.	Please provide details for ESI & EPF Contributions such as No of staff from Executing agency side.	As per tender condition.
8	Vol 2, GCC, Cl. 26, Pg. 57	The contractor shall fully indemnify and keep indemnified the Executing Agency against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the Executing Agency if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.	We presume that Contractor is not responsible toward any issue arising due to Design & Drawing and royalty to be paid. Design & Drawing is Client's responsibility. Kindly Confirm.	As per tender condition.
9	Vol 2, GCC, Clause 37, Pg. 66	Levies/Taxes payable by Contractor (i) Sales Tax/VAT (except Service Tax), Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor. (ii) The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.	We presume that Labour Cess, if applicable, will be directly paid by the Client. Kindly confirm.	Labour cess shall be paid by Contractor and submit proof to Executing agency.
10	Vol 2, GCC, Clause 38, Pg. 67	Implementation of New Tax Structure i.e. GST All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/ levies/ cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Engineer-in-charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.	We request you to consider that if there is an increase in rate of any taxes, levies, duties, Cess, Octroi & Royalty etc. or if there is an introduction of any new tax, duty or levies etc. such as GST will be implemented during the execution of the Contract, the same shall be paid by the Client without any financial implication to the Contractor.	Already mentioned in the tender condition.
11	Vol 2, GCC, Schedule F, Pg 108	Interim Payment Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for - 4 crore	We will submit one RA bill per month. We shall be paid 70% of all bill payments, irrespective of value of work done based on joint measurements, shall be paid within 15 (fifteen) days & Balance 30% within 30 Days from the date of submission of our bills.	As per tender condition.
12	Vol 2, GCC, Schedule F, Clause 10CA, Pg. 109	Base Rate Base price of all the materials covered under Clause 10CA (Base price to be mentioned valid at the time of last stipulated date of receipt of Tender including extension, if any.) Cement- OPC : Rs. /- Tonne, Reinforcement Steel- Primary Manufacturer : Rs. /- Tonne Structural Steel : Rs. /-Tonne includes cement component used in RMC brought at site from outside approved RMC plants, if any.	We request you to share the Base Rate for Cement, Reinforcement Steel and Structural Steel.	1. Base Price Cement Rs. 6,400 /- per MT 2. Steel Rs.40,400 /- per MT

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
13	Vol 2, GCC, Schedule F, Cl. 10CC, Pg. 109	Component of civil (except materials covered under clause 10CA) and Electrical construction Materials expressed as percentage of total value of work - Xm: 40%	<p>We presume that expect for materials covered under Clause 10CA, all materials i.e. Civil, Electrical materials are covered under Xm=40%. Please provide percentage component for Other Services and Materials.</p> <p>As per CPWD GCC 2014, Clause 10CC, Pg. 104 Xm % should be equal to {(100)- (Material covered under Clause 10 CA i.e. Cement, Steel, POL and other material specified in Clause 10 CA + component of labour)} Please review % given for other material.</p>	As per tender condition.
14	Vol 2, GCC, Schedule F, Cl. 12, Pg. 110	<p>Deviation Limit beyond which clauses 12.2 &amp; 12.3 shall apply for building work -30%</p> <p>Deviation Limit beyond which clauses 12.2 &amp; 12.3 shall apply for foundation work (Except earth work) - 30%</p> <p>Deviation Limit for items in earth work subhead of DSR or related items -100%</p>	We request for (+/-) 20% of the quantities mentioned in the BOQ for individual item of works. New rates to be fixed for such item once the estimated quantity of that item is to exceed or fall short of the limit of 25% and prior to commencement or continue	As per tender condition.
15	Vol 2, SCC, Clause 20 (c), Pg. 19	The contractor shall make no such variations without an order in writing by the Executing Agency, provided that no order in writing shall be required for increase up to 30% or decrease in the quantity of any work where such increase or decrease is not the result of an order given under this Clause, but is the result of the quantities exceeding or being less than those stated in the schedule of items.		As per tender condition.
16	Vol 2, GCC, Schedule F, Pg. 112	<p>Recovery Rates for quantities beyond permissible variation</p> <p>Less used beyond permissible</p> <p>Cement : 1.10 (Base price +CI )</p> <p>R/F Steel : 1.10 (Base price +CI )</p>	Please clarify what is "CI " in this clause.	Cost Index
17	Vol 3, SSC, Clause 4.1.1, Pg. 5 and 6	<p>Approvals Required</p> <p>The Contractor shall obtain all necessary approvals except pre-construction from Municipal and other local bodies including Municipal bodies, Water supply agencies concerned, Electric Supply and inspectorate. Agencies concerned, such as, but not limited to, Police and Security Agencies, Chief Controller of Explosives, Fire Department, Civil Aviation Department, concerned in accordance to prevailing rules, Building Bye-Laws, tree cutting etc., as the case may be with related to/ required for Construction/Completion. All expenditure on this account will be borne by the contractor.</p> <p>The approvals for pre-construction clearances submitted/applied to local authorities shall be provided to the contractor for obtaining clearances/approvals. The approvals shall include the following in addition to any other approval which may be required for the project.</p> <ul style="list-style-type: none"> <li>• Construction Permit if required</li> <li>• NOC from Chief Fire Officer</li> <li>• NOC from Lift Inspector where lifts are provided</li> <li>• Occupancy certificate</li> <li>• GRIHA Certification (Minimum 3 Star)</li> </ul>	<p>As this is percentage rate tender based on design &amp; drawings given by the Client/ Executing Agency. We request you to remove all approvals to be taken from Municipal and other local bodies such as Occupancy Certificate, GRIHA Certification etc. from scope of contractor.</p> <p>We understand that all Approvals and permissions required for permanent works are to be obtained by the Client. Kindly confirm.</p>	As per tender condition.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
18	Vol 3, SCC, Cl. 6(b), Pg. 8	If by reason of any failure or inability of the Consultant to issue within 4 weeks any drawing or instruction for which notice has been given by the Contractor in accordance with Sub-clause 1) and the contractor suffers delay, then the Engineer-in-charge, shall on the request of the Contractor recommend to the Client any extension of time under respective clause. Notwithstanding anything stated above, the Contractor shall not be eligible for any financial compensation arising out of the above.	We request you to consider suitable cost compensation for any delay in work by reasons of any failure or inability of Consultant which are not attributable to Contractor.	As per tender condition.
19	Vol 3, SSC, Clause 9, Pg. 29	Cutting of Trees Permission of cutting of trees if required will be obtained by Contractor	We request you that all permissions required for tree replantation & cutting of tree are to be obtained by Client. Time and cost towards delay will be compensated to Contractor.	As per tender condition.
20	Vol 3, SCC, Cl. 16, Pg. 17	Absence of Specifications If the specifications do not contain particulars of materials and works which are obviously necessary for the proper completion of the works, and the intention to include, which is inferred, all such materials and works shall be supplied and executed by the Contractor without extra charge. If the Contractor requires additional information, he shall, in pursuance of Clause 2 hereof, so request in writing well in advance to commencement of the particular work to the Executing Agency who will issue such detailed information within a reasonable time.	Please clarify clause -2	Contractor may request for specification for said works prior to execution.
21	Vol 3, SCC, Cl. 22	Insurance Policies	We request you to provide minimum amount to be covered for all policies.	As per tender condition.
22	Vol 3, SCC, Cl. 26, Pg. 25, 26	Boreholes & Exploratory Excavation If, at any time during the execution of the Works, the Executing Agency shall require the Contractor to make boreholes or to carry out exploratory excavation, such requirement shall be ordered in writing and shall be deemed to be an additional ordered under the provisions unless a provisional sum in respect of such anticipated work shall have been included in the schedule of items.	We presume that Boreholes & Exploratory Excavation shall be paid to us under extra item of work. Kindly confirm.	As per tender condition.
23	Vol 3, SCC, Cl. 31 (5), Pg. 28	Delay in starting the work No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	If delay beyond 3 months for starting the work, we shall be suitably compensated for time and cost.	As per tender condition.
24	Vol 3, SCC, Clause 32.3, Pg. 32, 33	Land for site infrastructure The Contractor may, at his own expense and subject to the approval of the Engineer and statutory authorities, construct offices, stores, Workshop in the area allocated to him and remove the same as per the orders of the Engineer on completion of Works. The Contractor shall furnish such details of his Temporary Works as may be called for by the Engineer and the Contractor shall satisfy the Engineer as to their safety and efficiency. Engineer may direct those Temporary work which he considers unsafe or inefficient be removed and replaced in a satisfactory manner. The Contractor shall immediately follow Engineer's directions/ instructions.	We request you to provide land for site infrastructure such as Site Office, store, reinforcement yard, Formwork yard, Batching Plant etc. within project premises.	As per tender condition.
25	Vol 3, SCC, Clause 32.3, Pg. 33	Land for labour camp The Contractor shall make his own arrangement at his own expense for labour camp / accommodation of his labour and staff and their conveyance to Site as no workers/ staff shall unless with the specific approval of the Engineer be allowed to stay within the Site. Gate passes shall be issued by the Engineer to authorise the Contractor's staff and workers to enter the Site.	We request you to provide land for labour camp within site premises.	As per tender condition.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
26	Vol 3, SCC, Clause 32.6, Pg. 33, 34	A reasonably furnished site office and transit accommodation having a sample room, A.C. meeting room, A.C. staff rooms with file storage facility along with computers & printers and its consumables, a telephone with STD facility, Fax Machine, internet and toilets & pantry shall be provided for Executing agency/ HSCC by the Contractor at his own cost. Electricity & drinking water for the site office will have to be provided by the contractor at his own cost for the site office. In case suitable existing building/ accommodation is available at site, the same may be furnished as above with the consent of the Executing Agency.	a) Please provide layout drawing & area requirement. b) Please provide details of site office area to be provided along with furniture details. c) Also specify no of computers/ printers, telephone with STD facility, Fax Machine, internet to be provided to Client.	Area of site office shall be approx 100 Sqm, rest all details as per tender conditions and requirements.
27	Vol 3, SCC, Cl. 32.7, Pg. 34	Temporary Fencing The Contractor shall at his own expense, erect and maintain in good condition temporary fences all around the working premises as per approved specifications by Engineer. After the successful completion of work all the temporary fencing will be dismantled/removed by contractor and all the dismantled/removed material from here shall be the property of the contractor. The Contractor shall also erect and maintain suitable metal frame fencing around the slab openings, cut-outs/lift wells/stairwells/shaft etc.	We understand that temporary fencing is required for building & construction working area only and not for the entire plot. Please confirm .	Temporary fencing is required for building & construction area.
28	Vol 3, SCC, Cl. 37, Pg. 35	Separate bank Account The contractor shall open a bank account specifically for this contract. The mobilization advance given to the contractor shall be deposited in this account only. The details of this account shall be made available to the Executing agency. The contractor shall draw from this account the expenses for the purpose of procurement of materials, machineries, tools & plants and shuttering required for the said work only.	We understand that Separate account is for depositing mobilisation advance only. Please provide details for Mode of Operation and payment for RA Bills.	Separate bank Account for the project including mobilisation advance
29	Vol 3, SCC, Section D, Pg. 58	Environmental Clearance	We request you that all permissions & cost towards Environment Clearance is in Client's scope.	As per tender condition.
30	General	Land Acquisition	We presume that there is no dispute towards Land Acquisition.	Hinderance free site shall be provided by Employer.
31	General	Access road for work & restriction for movement	a) Please provide us road network drawing showing access roads available to contractor for movement of material, P&M & labour. b) As hospital is under operation kindly specify restriction for labour & material movement. Entry & exit route provided for the work.	As per tender condition.
32	General	Working time restrictions	Please specify working time restrictions if any. Please clarify whether working during night also permitted or not.	Work plan may be scheduled as per time line
33	General	Soil Investigation Report and Contour Plan	We request you to provide Soil Investigation report and Contour Plan.	Shall be provided after award of work.
34	General	Drawings	We request you to provide all Drawings i.e. Architectural and Structural drawings in Cad Format.	As per tender condition.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
35	General	Drawing requirement	Please provide drawing for following BOQ item BOQ item : 6.04 - SS Railing BOQ item no 8.04 a : Polycarbonate dome structure BOQ item no 10.03 to 10.06 : Structural glazing , Spider glazing BOQ item no 10.01 : GRC Screen BOQ item no 4.13a : 50 mm thick decorative Laterite stone tile BOQ item no. 5.26 & 5.33 : UPVC doors & Windows Doors & Fire door Aluminium doors & Windows BOQ item no. : 4.04 & 4.13- decorative laterite masonry BOQ item no. : 4.19- Toilet Cubical	As per tender condition. Shop drawings to be submitted by Contractor for approval
36	General	BOQ Qty	We understand for building having covered area of 5.5 lakh sqft, Quantity given in BOQ for concrete & R/f steel are very high. Please clarify.	No Change, as per tender condition.
37	General	BOQ in Excel	We request you to provide Soft Copy of Estimate/Bill of Quantities for ease of estimation.	As per tender condition.
38	General	Flyash & GGBS	Kindly specify the % of Flyash & GGBS to be used in concrete & Mortar as cementitious material	As per tender condition.
39	General	Anti Termite Treatment	There is no BOQ item for anti termite. Please clarify	As per tender condition.
40	Vol 4, Sr. 11, Pg. 13	List of Approved Makes - Civil Works OPC 43 Grade Cement (Conforming to IS 8112)	Approved make is given for Cement OPC 43. We understand that all concrete & mortar to be prepared with OPC 43. Kindly confirm.	As per tender condition.
41	BOQ, Civil Works, Section 1.00	Earthwork	We have not found any disposal items for extra excavation work. kindly add disposal items.	As per tender condition.
42	BOQ, Civil Works, Item no. 3.05 (e)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Please provide drawing & reinforcement details for girders .	All tender drawings already enclosed
43	BOQ, Civil Works, Item no. 3.05 (h)	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	We request you to provide drawings for moulding in cornices.	As per tender condition.
44	BOQ, Civil Works, Item No 3.05 (l)	Extra for shuttering in circular work (20% of respective centering and shuttering items)	Please provide Number of circular column.	As per tender condition.
45	BOQ, Civil Works, Item No 3.09	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	Please clarify what is B. M.C.	Batch Mix Concrete
46	BOQ, Civil Works, Item No 4.13 (a)	50 mm thick decorative Laterite stone tile of approved size using selected Patradevi stone	This item doesn't appear in DSR 2016. Kindly confirm.	As per tender condition.
47	BOQ, Civil Works, Section 7.00	Flooring works	We request you to consider Crushed stone sand is allowed for flooring. Please confirm	As per CPWD specification & tender condition.
48	BOQ, Civil Works, Item No 7.13 (a)	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) (a) Acid and alkali resistant tile	Tile thickness will be 10 mm please confirm	As per tender condition.
49	General		a) Kindly provide Electrical Panel SLD & Main SLD b) Kindly provide Schematic/ Riser drawings for HVAC, Water supply, Fire fighting, FA & ELV systems	Electrical SLD will be provided to Successful bidder.
50	Vol 4, Technical Specs, Clause 45.05, Pg. 37	FFS / DG Contractor shall provide necessary test certificates and performance charts with NPSH requirement of the pumps from the manufacturer. The contractor shall provide facilities to the Architect or their authorised representative for inspection of equipment during manufacturing and also to witness various tests at the manufacturer's works without any cost to the owners	Kindly clarify whether you want to test all the Pumps/ DG. And specify number of people who will attend this test so that same cost can be include in our offer.	All DG sets will be tested.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
51	Vol 4, Technical Specs, Pg. 116	HVAC - Chiller Equipments Approved makes are Carrier / Trane / York	Please approve M/s. Daikin in Approved make list for Chiller Equipments.	shall be as per tender
52	Vol 4, Technical Specs, Pg. 116	HVAC Sub Contractors Approved makes are Voltas / Bluestar / Suvidha / Unique Engineers / ETA/ Sterling & Wilson	Please approve M/s. Kelvin ACVS Pvt Ltd in Approved list for HVAC Sub contractor. ( They have successfully completed super speciality Hospital projects across India)	shall be as per tender
53	Vol 4, Technical Specs, Pg. 203	List of Approved Makes for Electrical System BMS, field devices etc.: Honeywell-Trend/L&T-Atmos/Siemens/Schneider	Please approve Johnson Controls make for Building management System.	No change, as per approved list of make.
54	Vol 4, Technical Specs, Pg. 203	List of Approved Makes for Electrical System CCTV - Honeywell/ Pelco /Bosch/Sony/Axis	Please approve Johnson Controls make for CCTV system	No change, as per approved list of make.
55	Vol 4, Technical Specs, Pg. 200 to 203	List of Approved Makes for Electrical System	Please approve Bajaj make for Lighting Fixtures	No change, as per approved list of make.
56	Vol 4, Technical Specs, Pg. 200	List of Approved Makes for Electrical System Transformer: ABB/GE/ Schneider/Alstom	Please approve Voltamp & Kirloskar make for Transformer.	No change, as per approved list of make.
57	Vol 4, Technical Specs, Pg. 200 to 203	Parking Management System	Kindly provide approved make for this parking management system.	provided in BOQ item.
58	Vol 4, Technical Specs, Pg. 111	List of Approved Makes for IT System QMS	Please provide approved make for QMS system	No Change, as per tender condition.
59	BOQ, Sanitary Fixtures, Section 1	Sanitary Fixtures	Kindly provide model numbers of CP & Sanitary Fixtures as per approved makes.	As per tender condition
60		Mechanized Laundry Equipments	We would request for the Layout design and floor location of the laundry project for the better understanding.	Laundry location is mentioned in the tender drawing. Detail shop drawing for Laundry should be prepared by the contractor.
61		Bio- Medical waste Autoclave Capacity suitable to the bio medical waste of the AIIMS for autoclave.	Details already mentioned about capacity of more than 600 Litrs, still next line mentioned about suitable to AIIMS autoclave. kindly clarify for the same.	The word "Capacity suitable to AIIMS Autoclave" deleted. Capacity as mentioned 600 Ltrs shall prevail.
62	BOQ, Mortuary, Item 3	Mortuary Turnkey work rate is mentioned as Rs. 8,84,000/-	The formula is not reflecting in Amount column also the total of Mortuary section is not matching. Kindly clarify.	As per tender condition
63	BOQ, IT Infrastructure	IT Infrastructure Section Total is mentioned as Rs. 15,13,79,970.4 /-	Actual total for IT sub head is Rs. 13,21,33,997/- . Kindly clarify.	There is no such error.
64	BOQ, Electrical Works, Item 13.01	Supply, installation, testing and commissioning of Networkable Microprocessor based multiloop capacity, Networkable analogue addressable type fire alarm control panel with minimum 640 character LCD display / Touch Screen Display. The panel should be equipped with sufficient numbers of loop with 20% Spare capacity in each loop.The pane should be with flash EPROM sufficient numbers of programmable relay controls for controlling AHUs, pressurization fans, ventilation fans at fire pump room, monitoring of fire sprinkler and fire hydrant pump, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 2 hours during an emergency conditions as required. The Panel shall be with backnet card for BMS interfacing. (UL Approved)	Please provide number of loops to be considered for the FAS panel.	As per Amended Estimate

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
65	BOQ, Electrical Works, Item 13.01	Supply, installation, testing and commissioning of Networkable Microprocessor based multiloop capacity, Networkable analogue addressable type fire alarm control panel with minimum 640 character LCD display / Touch Screen Display. The panel should be equipped with sufficient numbers of loop with 20% Spare capacity in each loop. The pane should be with flash EPROM sufficient numbers of programmable relay controls for controlling AHUs, pressurization fans, ventilation fans at fire pump room, monitoring of fire sprinkler and fire hydrant pump, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and then be capable of operating the system for 2 hours during an emergency conditions as required. The Panel shall be with backnet card for BMS interfacing. (UL Approved)	The bidder requests the client to consider 2 FAS panels and split the FAS system as the number of detectors and devices seem to be large.	as per selected make panel can be split into two but for payment it will be considered one quantity.
66	BOQ, Electrical Works, Item 23.01, 23.02, 23.03	Public Address System EN 60849 Compliance	Kindly allow EN-54 complianc along with EN-60849 for PA system as only EN-60849 requirement is confining the competition to a single model/brand. For fair competition the bidder requests to add complianc to either EN-60849 OR EN-54.	OK
67	BOQ, Electrical Works, Item 23.02	Public Address System Supply, Installation, testing and commissioning of Power Amplifier SCPA2500 /70V, 100V& 4-16 ohm , 2 channel power amplifier , -Inrush restraint and softstart -Integrated electronic protection against thermal overload and short circuit. -Temperature controlled fans, airflow from front to rear. -Method of control: Class AB -Power output of amplifier: 2 x 500W sin. /100V -Output range: 50 Hz – 22kHz; 0/-0,5 dB -Signal to noise ratio (not valuated): > 105 dB -Channel separation: > 75 dB -THD (total harmonic distortion): < 0,08% -Input level at max. output voltage: 0 dBu -The amplifier has to be switched into Stand-by Mode in case of power loss by the control centre.	Kindly approve Output range of amplifiers from 20 Hz – 20kHz	No change as per tender.
68	BOQ, Electrical Works, Section 6	MCB Distribution Boards	Please provide the IP protection.	MCB DB will be for indoor installation.
69	BOQ, Electrical Works, Item 6.03	MCB Distribution Boards Supplying & fixing 6 Amps to 32 Amps rating, 240 volts, 'B' series, miniature circuit breaker suitable for lighting & other loads of following poles in the existing MCB DB complete with connections, testing & commissioning etc. as per technical specifications & as required. i Single pole ii Triple pole & neutral	Please provide the series whether it is B series or C series.	C' series as per specification.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
70	NIT	Extension for Bid Submission	We request you to grant us an extension of another 15 days from the current date of submission i.e. 10 th March 2017 for Technical and Priced Bid Submission. As the scope of this Tender includes Civil and Finishing works along with services such as internal & external Electrical, HVAC, PHE, fire fighting and external developments works, Specialized Services and IT Infra and their Maintenance during Defect Liability Period. All items in this tender require quotations from outside vendors and specialized subcontractor and then negotiation with these vendors upon receipt of offers. We in turn assure you a very competitive offer.	Already extended
71	BOQ, Borewell, Submersible Pumps, Item 7.14	Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	As per tender condition
72	BOQ, HVAC, Section A, Item 1.1 c)	1 No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided. AHRI Certified sheet shall include active harmonic filter losses. Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system. Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	shall be as per tender conditions.
73	BOQ, HVAC, Section A, Item 1.1	VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	shall be as per tender conditions.
74	BOQ, HVAC, Section A, Item 1.1 e.1 and f.1	BOQ point no. e. 1 No.- ASME stamped matching shell and tube water cooled condenser of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 8 m water head. BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	All vendors can offer chiller with pressure vessels along with ASME U-Stamping. We will be adhering for the same.	shall be as per tender conditions.
75	BOQ, HVAC, Section A, Item 1.1 f.1	ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify. Also Specification document doesn't ask for Marine water boxes on evaporator. Please confirm if it is needed.	Required. Shall be as per tender conditions.
76	Vol 4, Technical Specs, HVAC, Clause 1.1.11, Pg. 23	Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
77	Vol 4, Technical Specs, CSSD	In the specifications it has been asked for Horizontal Cylindrical shape Steam Sterilizer with volume 600 liters or more.	Please clarify whether "Horizontal Rectangular" shape can be supplied considering optimum utilization of available volume i.e. 600 liters or more.	Horizontal Rectangular shape should be supplied

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
78	Vol 4, Technical Specs, CSSD	In specifications "Vacuum Pump" requirement is not specified.	Please clarify whether the "Vacuum Pump" is required for Pre Vacuum & Post Vacuum purpose.	Pre and Post Vacuum Unit shall be required
79	Vol 4, Technical Specs, CSSD	Printing of Process data requirement is not specified.	Please clarify whether Printing of process data (Mandatory requirement as per latest CPCB -Central Pollution Control Board for Biomedical waste Sterilizers)	As per tender condition
80	Approved Make for Civil Work	AAC Block : JK Lakshmi Cement, Magicrete Building Solution U-PVC Windows : Fenesta or approved equivalent Wooden Fire Check Doors : Navair, Pacific	Please give few more approved make available nearer to Goa for: AAC block UPVC window Wooden fire door	JK Lakshmi, Magicrete or equivalent as approved by Engineer In-Charge.
81	Approved Make for IT Work	List of approved make for IT work , Annexure -E in Technical Specification  SI/IT Firm : Accenture/TCS/Infosys/Capgemini/Inspira/CSC	Please provide few more approved agencies specialised in Hospital IT infrawork	No Change. Tender Condition prevails.
82	FFS / DG	Vol 04 Technical Specs - page no 53 - Contractor shall provide necessary test certificates and performance charts with NPSH requirement of the pumps from the manufacturer. The contractor shall provide facilities to the Architect or their authorised representative for inspection of equipment during manufacturing and also to witness various tests at the manufacturer's works without any cost to the owners	Kindly clarify whether you want to test all the Pumps/ DG ? And how many people will attend this test so that same cost can be include in our offer.	As per tender condition
83	PHE	BOQ item no 1 - SANITARY FIXTURES	Kindly provide model numbers of CP & Sanitary Fixtures as per approved makes.	As per tender condition
84	Laundry		We would request for the Layout design and floor location of the laundry project for the better understanding	Location of Laundry is already mentioned in the tender drawing. Layout design shall be provided by the contractor as shop drawing for prior approval from HSCC.
85	Bio- Medical waste Autoclave	Capacity suitable to the bio medical waste of the AIIMS for autoclave.	Details already metioned about capacity of more than 600 Litrs, still next line mentiones about suitable to AIIMS autoclave kindly clarify for the same.	Capacity suitable to AIIMS Autoclave is deleted. Capacity as mentioned shall be 600 litrs or more.
86		In specifications "Vacuum Pump" requirement is not specified.	Please clarify whether the "Vacuum Pump" is required for Pre Vacuum & Post Vacuum purpose.	As per tender condition
87		In specifications "Printing of Process data" requirement is not specified.	Please clarify whether Printing of process data (Because this is a mandatory requirement as per latest norms of CPCB -Central Pollution Control Board for Biomedical waste Sterilizers)	As per tender condition/as per latest CPCB
88	IT Work	Section Total is mentioned as 15,13,79,970.4 /-	Actual total for IT sub head is 13,21,33,997/- Kindly clarify.	There is no such error.
89		HVAC Sub Contractors - Approved makes are Voltas / Bluestar / Suvidha / Unique Engineers / ETA/ Sterling & Wilson	Please approve M/s. Kelvin ACVS Pvt Ltd in Approved list for HVAC Sub contractor. ( They have successfully completed superspeciality Hospital projects across India)	Shall be as per tender conditions.
90		13.01 & 13.02 calls for with minimum 640 character LCD display / Touch Screen Display	This is OEM specific. - Please change the clause as " <del>minimum 640 character</del> LCD display / Touch Screen Display" for major OEM to participate	No change as per tender
91		Mismatch in BOQ and Specs. - 98.01 SPECIFICATION FOR ELECTRICAL PANEL PROTECTION SYSTEM asks for NOVEC 1230 based and BOQ mentions CO2 suppression page 97 & 98	Please clarify, Bidder recommends NOVEC 1230 based system as it requires low extinguishing concentration using less quantity of gas requiring less storage area and is more environment friendly with zero ODP.	As per tender conditions.
92		VOL04TECHSPECS LIST OF APPROVED MAKES : FIRE FIGHTING WORKS - 31 Fire suppressionssystem SVS Buildwel (p) ltd	Request approval for SIEMENS make.	No change as per tender

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
93		18_BOQ-LV System FAS Sr. No. 13.03 to 13.13 - ...each of these shall be equipped with fault Isolator/ External Fault Isolator...	according to UL and NFPA standards isolator is to be provided for every zone. - Bidder recommends use of isolators after every 20 detectors+devices. Request you to add Isolators as a separate line item.	Isolator internal or external are the part of the respective BOQ item.
94		18_BOQ-LV System FAS Sr. No. 13.10 - Dual LED Response indicator	This is OEM specific. Single LED RI will also serve the same pupose. - request you to revise as single/dual LED RI.	single LED RI accepted.
95		18_BOQ-LV System FAS Sr. No. 13.12 & 13.13 - ... Sounder shall be loop powered	This is OEM specific. - Please change the clause to "... sounder shall be loop or separately powered." for major OEM to participate	UL listed
96		18_BOQ-LV System BMS 24.00 D) DDC a to I - ....with 25% spare	Bidder understands that 25% spare is to be considered in I/Os present in IO summary and not on DDC quantity. Please clarify	It means if the I/O's increase within limit of 25% nothing will be paid on account of DDC and other items which are under lot.
97		VOL04TECHSPECS 25.00 BAS 1.4 SYSTEM DESCRIPTION -... shall have 15% spare capacity for	Mismatch in BOQ and Specs. Kindly clarify	BOQ may prevail
98		VOL04TECHSPECS 25.00 BAS 4.1 DDC hardware - ... 16) The DDC's shall have 15% spare capacity for	Mismatch in BOQ and Specs. Kindly clarify	BOQ may prevail
99		VOL04TECHSPECS Approved Makes 64 Occupancy Sensor - Philips/ Honeywell/ Schneider/Lutron/Legrand	Request approval for SIEMENS make.	No change
100		VOL04TECHSPECS Approved Makes 67 Lighting Control - Lutron/ Philips/ ABB/ Schneider/ Legrand	Request approval for SIEMENS make.	No change
101		VOL04TECHSPECS - 15.0 CCTV General Requirements - II. The Video Management software, NVR, Joystick and Cameras should be of the same make.	Kindly revise this clause as" II. The Video Management software, NVR, Joystick and Cameras can be of the different make." Original clause is contradicting with the scope defination to integarte with any standard camera.	As per tender
102		VOL04TECHSPECS - 15.0 CCTV General Requirements - III. All software and firmware upgrades shall be free of cost.	The bidder understands this clause is valid untill warranty ends.	upto diffect liability period
103		18_BOQ-LV System CCTV 14.06 II camera license - For 125 Nos. Camera	Total No. of cameras in BOQ is 144.	can be calculated as per BOQ
104	QMS	Approved makes	Please provide approved make for QMS system	No change
105		Approved Makes 69 Access Control System - Honeywell-Pro-3000/Schneider/Lenel/Cardex	Request approval for SIEMENS make access control system.	No change

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
108	BOQ Item no 4.03	200 mm thick factory made Expanded Polystyrene Core( EPS Core) wall panels	Please provide approved makes and contact details of vendors for the item preferably from GOA.	As per tender condition
109	BOQ Item no 4.04,4.13 and 4.14	Exposed decorative laterite masonry	Please provide contact details of Patradevi stone.	As per tender condition
110	BOQ Item no 7.19 a	PVC grab rail crash guard system	Please provide approved makes and contact details of vendors for the item.	As per tender condition
111	BOQ Item no 7.24 & 7.25	PVC flooring	Please mention Group, Weight, size and surface treatment for PVC flooring to enable us to select suitable product.	As per tender condition
112	BOQ Item no 10.01	Detailed drawing not provided	Please issue the drawing for GRC screen syssem.	As per tender condition
113	1.01 & 1.02	Sub Head -1 HT SUB STATION		
114	A	INCOMER		
115		1 Set of Microcontroller based numerical relay having 4 element relay (3O/C+1E/F). Relay should have and trip history.	The Communication protocol is not mentioned for numerical relay, Whether its is required or not. Please confirm/ clarify.	communication protocol not required.
116		Digital frequency meter, Digital Tri vector meter., Digital power factor meter.	Digital frequency, tri-vector & power factor shall be a part of MFM meter only. So no need separte individual meter , Kindly confirm/clarify	No change, as per BOQ
117		Phase reversal, over-voltage and under voltage relay.	Phase reversal, over-voltage and under voltage shall be a part of Main numerical relay. So no need separte individual relay , Kindly confirm/clarify	it isthe part of Main numerical relay No need to provide seperately.
118	1.02	2500KVA 33KV/433KV Transformer		
119			The BOQ of Transformers are pertaining to Oil Cooled Type Transformers not Cast resin type, In Cast resin type transformers the following particulars are not related to Cast resin Transformers.	Transformers are as per BOQ ONAN type
120				
121			Cooling ON-AN	
122			Double float buchholz relay	
123			Oil temperature sensor & gauges	
124			Please clarify/ confirm as above.	
125				
126			Also confirm whether ON LOAD TAP CHANGER is required for 33KV/433 Volt Transformers.	
127				
128			The Estimate of 2500KVA are based on Off load Tap changer type not OLTC, if OLTC required, request to amend the Estimate of the Transformers.	
129				
130			The losses of Transformer as per IS 1180 specified in the BOQ are related to Oil cooled transformer not for Cast resin , Request to confirm the IS standard of losses for Cast resin type Transformers.	
131	1.15 & 1.16	Perforated M.S. & Ladder Type Cable Trays	Whether we have included the cost of support like angle/ M.S.12mm rod in cable trays items. or same shall be payable/ coverd against BOQ item no 1.15 (Providing ,fixing of MS angle "C" channel.....) Kindly clarify/confirm..	supportof 10mm rod to be included.
132		Sub Head -2: Main LT Panel		
133	2	Main LT Panels & MV Panels		
134	7	Separate fault indication for O/L,S/C,&E/F to be provided on panel door for all Microprocessor base outgoing MCCBs	The manufacturer of MCCBs does not provide separate fault indication for O/L,S/C,E/F, They confirm that only trip indication will be provided in MCCB. Request to clarify/ confirm,.	On/OFF/Trip indication to be provided.
135	2.03	ACTIVE HARMONIC FILTER(AHF) 300Amps at 440V	Request to give approval of M/s Schneider Electric & M/s P2 Power Solutions Pvt. Ltd. make also.	Additional make Schneider Electric will be included.

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
136		Sub Head -3: DG SETS & ACCESSORIES		
137	3.01	1250KVA DG SETS		
138		Exhaust pipe/ Chimney	Request to clarify the exhaust pipe support structure, whether it is Self supporting Structure, or along with wall/ shaft, Please confirm.	as per actual site condition.
139	3.02	Synchronizing-Cum-AMF Panels for 4 Nos DG sets		
140	F	DG Protection and AMF Component	We would like to inform you, that the protection relays specified in the BOQ are inbuilt feature of DG set Synchronizing Controller, Request to confirm / clarify, whether we have considered separate protection relays as given in the BOQ.	if the part of controller, No need to provide saperately
141	5.16	Axiliary Panel		
142		c) OUTGOING:		
143		i) 16 Sets of 5 -7.5 HP DOL starter Feeder	Request to review/ confirm the Qty of 16 sets DOL starter feeder ,	as per BOQ
144	9.03	Ceiling Fans		
145		Sub Head -13: Addressable Fire System		
146	13.01	Fire Control Panels	Please furnish the Capacity / No of Loop for Fire Panels., Request to clarify / confirm.	

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
147	17.01(i)	26 Passenger Floors :LG+ G+8 ( 10 stops & 10 openings) Speed - 1.5 MPS		as per arch. Drawing.
148	17.02 (i)	20 Passenger Floors :LG+ G+8 ( 10 stops & 10 openings) Speed - 1.5 MPS	Request to furnish the shaft size & total travel height of Lifts. Kindly clarify/confirm.	
149	(ii)	20 Passenger Floors : G+8 ( 9 stops & 9 openings) Speed - 1.5 MPS		
150	17.03	Dumb Waiter 250Kg Floors : G+8 ( 9 stops & 9 openings) Speed - 1.5 MPS		
151	3.1 GENERAL:	VCB's shall conform to IEC 298 and 694 IS 3427, BS 5227 and VDE 0670, part 6 as well as the regulations	The approved vendor shall comply with IEC 62271-100-200 & Internal are tested for 25KA/ 0.1 sec. Kindly confirm/clarify.	OK
152		Vacuum Bottle of VCB should be of same make as of VCB.	The make of Vacuum interrupter(Bottle) shall be as per Type test design, Kindly confirm/clarify.	type test with make of vacume interupter to be submitted.
153	3	11KV Vacuum Circuit Breaker Panel Board	As per BOQ The VCB rated for 33KV system, whereas in the specification of VCB call for 11KV system. Request to furnish the specification for 33KV VCB.	33 KV specification shall be as per CPWD Specification & IS: 1180
154	9.4	Insulation Voltage 1100V	As per manufacturer standard The rated insulation voltage will be 1000Volt instead of 1.1 KV, Can be considered 1000Volt in place of 1100V, Please confirm	1000 volt accepted.
155	9.9	The Bus duct shall be suitable for 12KV Impulse voltage.	For 12KV Impulse voltage, Can be considered 8KV in place of 12 KV, Please confirm	impulse voltage 12 KV
156	SPEC Page 60		1. What is Hybrid QMS working model?	The model is Server & web-based solution.
157	SPEC Page 60		2. Would they require an mobile app for QMS, as they have mentioned virtual queue?	Yes the mobile application will be required. The mobile app has to be developed & customized as per the requirement of client.
158	SPEC Page 60		3. What would be the pre registration logic, would it be same as appointment?	As per the requirement of client.
159	SPEC Page 61		4. Who would be providing SMS gateway?	Initially during the execution period of the project, SMS gateway has to be provided by SI and SI will have to bear for all expenses incurred. After hand-over of the project and Go-Live of the system, the expenses will be beared by client.
160	SPEC Page 61		5. For appointments, is there an existing appointment system to which the QMS has to be integrated?	QMS will have to be integrated for any existing system used in the GMC, Goa and also ORS portal of NIC. However, scope of integration will depend on the requirement of client.
161	SPEC Page 62		6. Is network and the cabling to be carried out by the vendor?	Yes, it has to be carried out as per the requirement of site and project.
162	SPEC Page 62		7. For patient calling we have a web based application and can be called from the doctor or counter PC?	Both the options should be made available to client i.e. Hardware based calling pad and QMS software terminal to call the next patient. It shall be as per the requirement of client.

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
163	SPEC Page 68		8. Would they want the patient to enter his/her name at the time of generating token, as it is mentioned to display the token number and the patient name in the display?	Patient should only enter his UHID/Mobile no. in the case of appointment case. For Walk-in patients, token shall be issued either at the registration counter or by self help kiosk machine. The same has to be customized as per the requirement of client. Name to be displayed outside consultant room where name will be fetched by the system automatically as QMS will be integrated with HMIS and at the time of registration, patient's name is captured in HMIS.
164	SPEC Page 70		9. Would they require a separate kiosk for self appointment?	The self appointment kiosk is already part of the BOQ.
165	SPEC Page 70		10. Would they require a separate machine for patient feedback or a feedback section in the ticket dispensing machine?	The self appointment kiosk which is already part of the BOQ shall be used.
166	SPEC Page 72		11. Instead of a LED counter display we can provide an LCD based display, which is a better solution.	Both the display option can be used as per the requirement of client.
167			12. Should it print barcode or QR code at what stage would the QR code be used by the patient?	QR code will be available on token or on mobile. Patient will display his QR code in the kiosks in any other device capable to read code and will display all the relevant information for the patient.
168			13. What is visible and invisible queue, virtual queue or otherwise?	Visible queue is patients in queue having tokens. Invisible or virtual queue is the patient queue having relevant information in mobile via SMS/email.
169	Page13 of122	In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed	The discrepancy between the order of Preference on SPEC Page E-3 R 1	as per specifications
170		a) Description of Schedule of Quantities	CPWD/ IS specification, BOQ, Drawing, Technical specifications	
171		b) Particular specifications and Special Condition, if any.		
172		c) Drawings		
173		d) CPWD Specifications	Request to clarify/ confirm, which one follows.	
174		e) Indian Standard Specifications of B.I.S.		

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
175	SPEC Page E-200 R0	Transformers	The approved makes M/s ABB, Schneider, Alstom & GE does not manufacturer of Cast Resin Type Transformers. .So we request you to give approval of M/s Raychem-RPG, M/s Kirloskar, M/s Voltamp make also.	Transformer are ONAN type
176	SPEC Page E-202 R0	Cable Tray / Raceway	The approved makes M/s Legrand & M/s Copper does not manufacturer of Cable Trays/Raceways as per Tender BOQ & specifications. So we request you to give approval of M/s AKG & RMCON, Slotco, MEM make also.	OBO/ Legrand/ Cooper/BEC /Pilco Marketing and manufacturing Pvt.Ltd/Profab Engineers
177	SPEC Page E-203 R0	Solar Power System	The approved makes M/S CEL, BEL,,BHEL are manufacturing only Solar PV module & not doing Trunkey project, So we request you to give approval of M/s Moser Baer, Autonic, Panasonic, Vikram Solar make also.	MNER certification for last 10 years can provide solar photovoltaic
179		BOQ point no. b. 1 No.- Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.
180		BOQ point no. c. 1.No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions. AHRI certified selection sheet shall be with VFD starters.
181			Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	Shall be as per tender conditions.
182		BOQ point no. c. VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
183		BOQ point no. e. 1 No.- ASME stamped matching shell and tube water cooled condenser of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 8 m water head. BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	All vendors can offer chiller with pressure vessels along with ASME U-Stamping. We will be adhering for the same.	Shall be as per tender contitions.
184		BOQ point no. f. 1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify.  Also Specification document doesn't ask for Marine water boxes on evaporator.  Please confirm if it is needed.	Required. Shall be as per tender conditions.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
185		Specification point no. 1.1.11 Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
186	Tec Specs Chillers	Sight Glass to check the level of Refrigerent	CARRIER-The proposed centrifugal chiller has compressor oil level sight glass and a Motor sight glass. For refrigerent, we have a Refrigerentleak detection system in built into the chiller which is superior and more reliable to refrigerent sight glass. The detector gives signal to alarm which i turn will alert the operator. Please accept the same.	Standard design of the manufacturer acceptable.
187	BOQ	Chiller- Maximum head loss 5 M water head	CARRIER-We request to kindly accept chiller water head loss upto 8 M.	Shall be as per tender contitions.
188			1) Chiller:	
189			a. Request you to please consider Voltas make Imported centrifugal chiller manufacturing at Danhum bush Malesia factory.	Shall be as per tender contitions.
190			b. Do we require harmonic filters along with VFD for chillers?	Shall be as per tender contitions.
191			c. Please confirm number of compressors/circuit required for chiller.	Shall be as per tender contitions.
192			d. Factory testing required or not, if yes please confirm number of point testing is required.	For imported chiller witness test not required.
193			e. Do we require ASME stamping or not?	Shall be as per tender contitions.
194			f. Request you to please share IO list for enabling us to quote plant room manager.	Shall be as per tender conditions.
195			2) Pump:	
196			a. Please confirm bypass starter is required or not for variable pumping system.	not required. Shall be as per tender conditions.
197			3) Air Handling Units:	
198			a. VFD is required for motor or not? If yes, please confirm protection rating for enclosure.	Shall be as per tender conditions.
199			b. AHU Starter Panel-VFD bypass starter required or not.	Shall be as per tender conditions.
200			c. Please confirm AHU panel thickness?	
201			4) CHW Pipe Insulation: Can we consider nitrile rubber insulation instead of PUF?	Shall be as per tender conditions.
203			5) We request you to please provide single line diagram enabling us to quote electrical panel for plant room as well as starter panel of equipment.	Shall be as per tender conditions.
204			6) Ducting: Can we consider TDF flanges instead of angle flanges?	Shall be as per tender conditions.
205			7) Please confirm for the following:	
206			a. Do they have any duty benefit for proposed hospital?	Shall be as per tender conditions.
207			b. Octroi/Local tax applicable or not?	Shall be as per tender conditions.
208	BE Billimoria			
209	Electrical Work Section 17 Lift - Item No. 17.03	Please inform, Alternate makes & Contact details for Dumbwaiter lift as we are not getting quotes from the vendors mentioned in the approved Vendor List.		As per approved make list

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
210	Section specialized Services for 500 Bedded SSB for Goa	Please provide us the approved Turnkey Subcontractor's contact details for the following works / vendors i) CSSD ii) Medical, Gas, manifold fittings iii) Laundry equipments iv) Kitchen equipments v) Bio Medical Waste Management vi) Mortuary vii) Modular Operation Theatre	Vol 4 Technical Specification for IT Infrastructure	As per tender
211	Technical Specifications of IT Works	Please provide us the Contact details of I.T. work vendors given in the approved make list		Bidders have to find out the relevant contact details by themselves.
212	BOQ for Development of IT Infrastructure, Serial No. 3, Server Hardware for HMIS and PACS	Kindly provide us break-up of the amount		Bidders have to calculate themselves.
215	Clause 2 Compensation for delay	Compensation @ 1.5% of the tendered value per month of delay for delay of work to be computed on per day basis. Provided that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the tendered value of work.	We request you to modify the clause as follows: Compensation for delay of work @ 0.5% per month of delay to be computed on per day basis. The compensation for delay shall not exceed 5% of the contract value.	As per tender condition.
216	Clause 2A Incentive for early completion	Clause 2A not applicable	We request to provide the applicability as "Yes" in Schedule-F for Clause 2A: Incentive for early completion.	Schedule -F : Clause 2 : Authority for deciding incentive under Clause 2A.- Director (Engineering), HSCC (India) Limited. Schedule -F : Clause 2 : Whether Clause 2A shall be applicable – Yes
217	Clause 9	If the tendered value of work exceeds Rs 2.5 Crore shall be within period of 6 Months	Request to reduce the period to 2 months instead of 6 months	As per tender condition.
218	SCC Clause 31.5	No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	We request you to allow for adequate compensation for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimates in issue of drawings, decisions etc.	As per tender condition.
219	Form T-8	As per Tender Document, 2 Batching Plants are required.	Based on Concrete quantity, only one Batching plant is sufficient. Hence, request you to change the requirement to one Batching plant.	As per tender condition.
220		A High Tension Electric Line is shown near the proposed Building.	We presume that the HT Line will be shifted before the start of work. Please clarify.	To be shifted during execution.
221	4.0 walls & partitions	Exposed decorative laterite Patradevi stone in cum	Request to provide the basic price and size of for Patradevi stone	As per tender conditions/site requirements.
222	SANITARY Fixtures	Sanitary Fittings	Since the sanitary fittings has wide range from low end to high end, request you to provide us the model numbers.	As per tender condition
223	SANITARY Fixtures 1.01 & 1.02	Providing and fixing of White Vitreous china closed coupled water closet with	Quantity is same for item no.1 & 2. Quantity repeated for two different specification . Hence request you to clarify.	As per tender condition
224	Water supply	CPVC Pipes	Kindly provide us pressure class of the pipe. (SDR 11 or SDR 13.5)	SDR 11
225		Solar water heater	As per technical specification TATA BP/EMMVEE is mentioned whereas approved make list has Maharishi solar and Green sol Hence request you to confirm which is to be followed.	As per approved make list

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
226	STP 11 PHE 50-58	Sewage Treatment Plant (335 KLD) : 1.Designing,.....and execution of all civil, sturctual.... 2. complte mecanical bar screen..... Upto ground formation level (excluding civil works)	We presume that STP is excluding civil works and the same shall be measured and paid somewhere else in civil works. Kindly confirm. Also, provide us the technical specification for STP & ETP	As per tender condition
227	STP 11 PHE 51	RCC grit chamber with grit removal..... 825 cum per day	We undertand that STP capacity to be designed for 335 cum/day whereas RCC grit chamber capacity mentioned is 825 cum/day. We presume STP shall be designed for 335 cum / day only. Kindly confirm it.	335 CUM/Day
228	ETP 12	Effluent Treatment Plant	We presume that ETP is excluding civil works and the same shall be measured and paid somewhere else in civil works. Kindly confirm.	civil works shall be measured and paid saperately
229	VOL01NTANDPQ Page 8 of 62	List of Documents to be scanned and uploaded within the period of bid submission: v. Affidavit / Undertaking for engaging specialized agencies- (Form H)	Associating agency shall be finalized after award of contract only and hence form H shall be submitted after award of contract and finalization of agency  Please confirm	As per tender
230	VOL05BOQ		Tender BOQ is available in "pdf" format only.  Request you to kindly share the BOQ in "MS Excel" format for our working purpose.	As per tender
231	VOL05BOQ	DSR / NDSR Items	Demarcation of DSR & NDSR items are not furnished for electrical items in tender BOQ.  Request you to kindly furnish the same.	As per tender condition
232	VOL05BOQ	Cost index for DSR items	Cost index for DSR items are not applied for electrical DSR items like provided for other works / sections in the tender BOQ.  Request you to kindly furnish the cost index and demarcation of DSR Items in electrical BOQ.	As per tender condition
233	VOL06TENDERDRAWINGPART		Electrical SLD layouts are not available in the tender documents. Request you to kindly provide the same for our reference	SLD will be provided to successful bidder.
234	VOL06TENDERDRAWINGPART		DG Set room detail layouts are not available in the tender documents.  So, request you to kindly furnish the detailed BOQ of DG lowside works	DG will be installed outside building.
235	VOL04TECHSPECS Page 95 of 640	3.3.12 TESTS The vendor shall submit the type test certificate for following along with the offer.	Vendors shall be finalized after award of contract only. Hence the type test certificates of equipments shall be furnished during vendor finalization after award of contract  Kindly confirm	OK
236	VOL04TECHSPECS Page 91 of 640		Technical specifications are available for 11KV HT Panel whereas BOQ calls for 33KV HT Panel.  Request you to kindly provide the technical specification for 33KV HT Panel	As per CPWD /IS specification

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
237	VOL04TECHSPECS Page 96 of 640	All H.T cables shall be of 11kv grade XLPE earthed insulated & PVC sheathed flat steel wires (strips) armored electrical purity aluminum conductor cables shall be manufactured & tested in accordance with IS Specification.	Technical specifications are available for 11KV HT Cable whereas BOQ calls for 33KV HT Cable.  Request you to kindly provide the technical specification for 33KV HT Cable	As per CPWD /IS specification
238	VOL04TECHSPECS Page 134 of 640	The main trials shall include over 8 hours continuous run at full load. D.G. Panel shall be tested for automatic operation by injecting proper current and voltage by a separate source	We presume that building load can be considered for load test at site.  Please confirm	As per tender
239	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 3_R0 Page 183 of 348	Supply, installation, testing and commissioning of 2500 KVA, 33kV/0.433 kV,, 3 Phase, 4 wire, 50 Hz., ON-AN Transformer, Dyn11 Vector group, copper bound Class F insulation with outdoor duty type, On load tap changer on HV Side range -15%, 0, +5% in the steps of 1.25% per step, type transformer with RTCC+AVR inclusive of all control cable. Cable box connection including cable adapter box at primary and secondary end (LT side) shall be connected through busduct/ cable, complete with all accessories including first filling of oil, double float buchholz relay protection, high winding temperature, oil temperture sensors and gauges etc. confirming to IS 1180 ammended upto date, interconnection of control cables and accessories etc complete	Being ON-AN transformer, we presume that Class A insulation shall be accepted as pre IS 1180.  Please confirm whether we can consider the same.	insulation will be as per IS 1180

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
240	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 3_R0 Page 183 of 348	Supply, installation, testing and commissioning of 2500 KVA, 33kV/0.433 kV., 3 Phase, 4 wire, 50 Hz., ON-AN Transformer, Dyn11 Vector group, copper bound Class F insulation with outdoor duty type, On load tap changer on HV Side range -15%, 0, +5% in the steps of 1.25% per step, type transformer with RTCC+AVR inclusive of all control cable. Cable box connection including cable adapter box at primary and secondary end (LT side) shall be connected through busduct/ cable, complete with all accessories including first filling of oil, double float buchholz relay protection, high winding temperature, oil temperature sensors and gauges etc. confirming to IS 1180 ammended upto date, interconnection of control cables and accessories etc complete	Tapping range for OLTC shall be considered with +5% to -15% in steps of 2.5% as per standard offering of approved Manufacturers  Please confirm	as per IS 1180
241	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 4_R0 Page 184 of 348	Supply, Installation, testing and commissioning of following rating 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct having 65kA short ckt for one Second with temperature rise of 55Deg. above ambient of 40deg. In extruded aluminium/ sheet steel housing suitable for operation on 415V, 50Hz AC supply with 50% neutral complete with all accessories bends, flange ends with adapator box, Tinned copper laminated flexibles for all the panels , flexible joints, earth bus (minimum 2 runs of suitable rating aluminum strips), plug in point at required positions, expansion joints, transposition joint, end covers, ceiling/wall/ floor mounted support structure of painted/ powder coated with required hardware for installation, supporting arrangements, etc. Indoor type busduct shall be IP54 & Outdoor Busduct shall be IP65 protected . Outdoor /indoor duty type complete as per technical specifications and as requirment. Note- for outdoor installtion canopy will be mounted on bus duct for protection. Canopy Fabricated out of 1.2mm GI/CRCA powder painted. OUTDOOR TYPE BUSDUCT (IP65) with Canaopy Fabricated out of 1.2mm GI / CRCA Powder painted	Electrical busduct routing layout is not available in the tender documents. Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
242	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 4_R0 Page 184 of 348	Laying of one number XLPE power cable of 33 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	Request you to kidly specify the depth of the excavation to be considered for this line item.	as per IS code

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
243	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 6_R0 Page 186 of 348	1.13) Providing and fixing of M.S Slotted angle iron with fixing materials and painting for cable racks in trenches/ on wall etc. as required.  1.14) Providing and fixing of M.S Slotted angle 'C' channel/ Ladder type rack/ tray including fixing material grouted in wall or haning with M.S rod hanger from ceiling including 2 coat synthetic enamel painting over 1 coat of red oxide primer etc. as required.	Separate line items for cable tray supports are specified in SI No 1.13 and 1.14  Hence we presume that under SI No 1.15 cost to be considered for only cable trays without cost for any structural supports.  Please confirm	As per tender condition
244	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 6_R0 Page 186 of 348	Fabrication and Installing following size of preforted M.S Cable tray including Horizontal and vertical bends, reducers, tee, crossmember and other accessories as required and duly Suspended from the ceiling with M.S 12 mm rod suspenders and including painting etc. as required.  As per technical specification, page 240 of 640 , clause 20.7 says Factory fabricated bends, reducers, tee/cross junctions, etc. shall be provided as per good engineering practice (Details are typically shown in figure 3 of CPWD General Specification of Electrical Work Part II -1994).	Furnished unit rates are only for staright length without any accessories like bends, reducer, tees, crossmember etc. As per CPWD DSR 2016, separate line items are available for these accessories. All these accessories are costlier than unit rate of straight length in running meter.  Since separate line items for these accessories are not available, we presume that site fabricated cable tray accessories are accepted for this project and will be measured alongwith straight lengths in running meter.  Please confirm.	As per tender condition

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
245	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 15_R0 Page 195 of 348	DG SET OF 1250 KVA Supplying and fixing of suitable sizes Heavy class MS pipe for DG exhaust complete with bends, elbow, flanges etc including silencer and catalytic convertor exhaust pipe /chimney including support as per CPCB norms for exhaust of DG sets.	Engines offered by the Approved Makes comply to latest CPCB Emission Norms and hence Catalytic Convertors are not being offered by the approved Engine OEA's. Hence Offered DG Sets shall be provided without catalytic Converter. Please confirm	DG will be as per latest CPCB norms
246	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Design, supply, installation, testing & commissioning of 20 KL underground MS diesel tank including all related civil works foundation, fencing, platform, for unloading of diesel . Flame proof push buttons, pumps (one working & one standby) for supplying of diesel from this UG tank to day tanks of all the DG sets complete with cabling, earthing, piping, float switches etc. Extinguishers shall be as per fire norms. including all necessary approvals from chief controller of explosives	Request you to kindly specify the distance to be considered between underground diesel tank and day tank.	as per actual site condition.
247	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adaptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). i 400 A , 415 volts 35KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
248	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adaptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). ii 630 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.

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<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
249	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adoptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). iii 1000 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
250	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 20_R0 Page 200 of 348	Supply, installation, testing and commissioning of plug in type , indoor sandwich type with high conductivity Aluminium Conductor , 415 V,3 phase, 4 wire, vertical Aluminium Rising main Class F or better in following sizes including bends, flexible, provision of the tap off's as per requirement , Adoptor boxes for cable connection if required are inclusive , 2 nos of aluminium earthing strips 50 X 6mm through out the length of the rising mains, end cover, including all types of support and necessary hardware for installation of the rising main etc. complete as per specifications and as required. (Exact lengths to be measured at site). iv 2000 A , 415 volts 50KA	Request you to kindly provide the number of bends, end terminations to be considered for this line item.	as per actual site condition.
251	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 41_R0 Page 221 of 348	Wiring for light point/fanpoint/ exhaust fan point/call bell point with 1.5 sq.mm. PVC insulated, fire retardant low smoke (FRLS) copper conductor cable, single core/ multi strand, in steel conduit (Including supplying & recess laying of MS conduit and accessories) including the following and complete as required Point wiring as mentioned above	Request you to kindly specify the average lengths to be considered for this line item	as per tender drawings
252	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 42_R0 Page 222 of 348	Wiring for twin control light points with 1.5 sq.mm. PVC insulated, FRLS copper conductor cable in MS conduit (including supplying and recess laying of MS conduit) including the following and complete as required Wiring for twin control light points as mentioned above	Request you to kindly specify the average lengths to be considered for this line item	as per tender drawings
253	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 44_R0 Page 224 of 348	1 x 20 W LED box type fluorescent light fixture (LED ASTRA, Philips BN 150 W LED 20S-6500 PSE OD GR with minimum system lumen 2000 or approved equivalent from list of Makes)(120bw )	Aesthetic finish may vary from model to model. Hence, request you to kindly specify the model number for this line item from each of the approved makes	equivalent model of other approved make with same technical specification will be considered

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
254	VOL05BOQ SUB HEAD 1: HT SUB STATION EST-E 44_R0 Page 224 of 348	1 x 20 W LED box type fluorescent light fixture (Philips BN108C LED 20S PSU CDL WH including Mounting Accessories, with minimum system lumen 2100 or approved equivalent from list of Makes )(136b/ 136bw)	Aesthetic finish may vary from model to model. Hence, request you to kindly specify the model number for this line item from each of the approved makes	equivalent model of other approved make with same technical specification will be considered
255	VOL04TECHSPECS Page 286 of 640	Outdoor light fixtures	List of approved makes for outdoor light fixtures are not available in the tender documents  Request you to kindly furnish the same.	outdoor light fixtures are part of approved make of light fixture
256	VOL04TECHSPECS Page 286 of 640	Steel light poles	List of approved makes for Steel light poles are not available in the tender documents  Request you to kindly furnish the same.	Jindal/Bombay Poles/Bajaj/Pierlite/Pruith Engg.
257	VOL04TECHSPECS Page 286 of 640	Approved makes for VCB Panel board / RMU are Siemens / L&T / ABB / Schneider	Request you to kindly confirm whether authorized system integrators of Siemens/L&T/ABB/Schneider can be considered for 33 KV VCB Panel Board/ RMU.	No change, As per approved make list
258	VOL04TECHSPECS Page 286 of 640	Approved makes for Main LT Panel/ APFC panels/Main AC panel are Siemens / L&T / ABB / Schneider	Request you to kindly confirm whether authorized system integrators of Siemens/L&T/ABB/Schneider can be considered for Main LT Panel/ APFC panels/Main AC panel	Main LT Panel/APFC/Main LT Panel: Siemens/L&T/ABB/Schneider/ SPC Electrotech Ltd./Tricolite/Adlec. Panel will be fabricated as per IEC: 60439
259	VOL05BOQ	Supply, fixing, testing and commissioning of distribution tap off box of following Capacity on the existing rising mains complete with Four Pole, Moulded Case Circuit Breaker, interconnection, earthing etc. complete as required. 250 Amps with MCCB 35 KA  Unit rate specified for this line item is Rs. 5747/-	There is a discrepancy in the unit rate specified for this line item compared to other unit rates of similar / higher ratings and market price.  Request you to kindly amend the rates.	shall be dealt as per market rate
260	VOL05BOQ	Supply and laying of Flexible Industrial cable, Copper Conductor , FR PVC insulated 1100 volts conforming to IS 694/1990 or ammended uptodate in fexiabel MS conduit / Pipe ,Complete with termination and testing as per requirement 10 Sqmm  Unit rate specified for this line item is Rs. 11/--	There is a discrepancy in the unit rate specified for this line item compared to other unit rates of similar / higher ratings and market price.  Request you to kindly amend the rates.	shall be dealt as per market rate
261	Clause No. 4.0  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	Equipment shall be strictly as per the list of approved makes/manufacturers given in the Bid documents. However, final choice of make shall lie with the Engineer.	Since this is a competitive bid and List of approved makes has been provided as part of NIT documents, to ensure fair bidding the contractor shall have the liberty to choose from any of the approved makes listed subject to compliance to specifications . Please confirm.  And thereby request you to delete the clause  "However, final choice of make shall lie with the Engineer."	Shall be as per tender conditions.

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Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
262	Clause No. 11.0  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	The Contractor shall submit samples of items such as grilles/ diffusers, valves, controls and/ or any other parts or equipment as required by the Engineer for prior approval in writing before placing the order. The Contractor shall also construct prototype or samples of work as laid down in the Contract or as instructed by the Engineer. Such samples and prototypes after approval shall be retained by the Engineer and shall serve as the standards to be achieved in final construction.	Samples shall be submitted for the HVAC visible items inside the Conditioned Space like Grilles & Diffusers & Valves only. Please Confirm.	Shall be as per tender conditions.
263	Clause No. 13.2  VOL03SCC (C) SPECIFIC CONDITIONS OF CONTRACT RELATING TO HVAC SYSTEM	In addition to the above testing, final performance and capacity tests shall be carried out on the equipment as per the "Testing Schedules" during the defects liability period as follows: a. Peak summer/ monsoon test during the period from 15th may to 31st July. The installations should be able to maintain the specified ..... ..... ..... cost of electricity, manpower, and fuel etc will have to be arranged & paid by the contractor.	Testing shall be done once prior to Commissioning. Please Confirm.	Shall be as per tender conditions.
264	Item No.1.0  VOL05BOQ	o. Lot-RCC/Cement concrete foundation i/c necessary spring isolators with 25 mm deflection from OEM for the chilling unit.	We presume the Equipment Foundation cost shall be Provided by the Civil Contractor as per the Technical Specification Document, refer Page No. Specs - AC-Page - 18.  "8.0 Items to be provided by other Agencies to AC contractor:"  Please Confirm.	Yes
265	Item No.4 & 4.2  VOL05BOQ	> Floor Mounted Air Handling Units > Ceiling Suspended Air Handling Units > OT AHUs	Please provide the Tonnage of all the air handling Units.	CFM, Static pressure, no of rows for cooling coil, heating coil mentioned. Tonnage shall be as per heat load sheet provided.
266	Item No.14.0  VOL05BOQ	Supply, laying/fixing, testing and commissioning of G.I. medium class ERW piping confirming to IS:1239 with necessary clamps, supports, anti vibration mountings, hangers and fittings such as bends, tees, reducers etc. duly insulated and painted as per specifications for condensate drain from air handling units and chillers etc.	Please confirm the thickness of drain piping insulation.	50 mm.
267	Item No.17.0  VOL05BOQ		Please confirm the Torque of actuators of Fire damper.	shall be as per requirement and sizes.
268	Clause 1.0  HVAC TECHSPECS	AHRI certified selection sheets should mention VFD with active harmonic filter and sound level at 100%, 75%, 50% and 25% load as per AHRI standard and sound level at part load should not exceed full load.	We presume the travelling, Boarding & Lodging expenses of Client/Consultant shall be borne by Client. Please Confirm.	Witness test not required.
269	General		Please provide the drawings in AUTOCAD Form.	Shall be issued to successful bidder.
270	BOQ point no. b.	1 No.- Suitable capacity squirrel cage induction motor ( as per design of chiller manufacturer) suitable for operation on 415±10% volts, 50 Hz A.C. supply.	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.
271	BOQ point no. c.	1.No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection , under voltage protection, protection against phase reversal & independent single phase preventers etc. complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions.

**Name of Work: Construction of Super Speciality Block at Goa Medical College, Bambolim - GOA under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY-III)**

**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
272			Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  Chiller with NPLV & IPLV for constant speed chiller shall be offered as 0.52 and 0.50 Kw/TR respectively.	Shall be as per tender conditions.
273	BOQ point no. c.	VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
274	BOQ point no. f.	1 No.- ASME stamped matching shell and tube flooded type chiller of M.S. shell and integrally finned copper tubes with marine boxes. Maximum head loss 5 m water head.	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify.  Also Specification document doesn't ask for Marine water boxes on evaporator.  Please confirm if it is needed.	Required. Shall be as per tender conditions.
275	Specification point no. 1.1.11	Variable speed drive will be factory fitted and supplied with the chiller. It will vary the compressor speed by controlling the frequency and voltage of the electrical power to the motor. The capacity control logic shall automatically adjust the motor speed and compressor pre-rotation vanes position independently for maximum off-design efficiency by analyzing information fed to it by sensors located through out the chiller. Drive will be PWM type utilizing IGBT's with a power factor of 0.95 or better at all loads and speeds. The entire VFD will be UL Listed and following features will be provided.	VFD will be as per manufacturers standards. However it will auto adjust of speed and PRV positions to get maximum off design efficiency and will also ensure power factor above 0.95 at all loads.	Shall be as per tender conditions.
276	Vol 1 NIT	As per Tender Document, 2 Batching Plants are required.	Based on Concrete quantity, only one Batching plant is sufficient. Hence, request you to change the requirement to one Batching plant.	As per tender condition.
277	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for PVC floor: Gerfloor/ Tarkett/ Forbo/ Polyfloor/ Armstrong/ Altro	Request you to include TECO Italy as approved makes for PVC Floor	As per tender condition.
278	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for Ceiling filtration system (Air Management system): Vokes air/Weiss Technik/Trilux/Sagicofim/Telstar Lifesciences/Flaktwood/Viessman	Request you to include TECO Italy/ ATA France as approved makes for Ceiling filtration System.	As per tender condition.
279	Vol 4 Technical Specification for Modular Operation Theater	Approved makes for Wall Panel (SMCS): SHD/Comessa/Pneumatic/Medepha/Operisti/ Gremit	Request you to include TECO Italy/ Dagard France as approved makes for Wall Panel	As per tender condition.
280	Vol 4 Technical Specification for IT Infrastructure	Approved SI/IT Firms: Accenture/TCS/ Infosys/Capgemini/Inspira/CSC	Request you to include L&T Infotech and AGFA Healthcare Pvt Ltd as approved SI/IT firms.	No Change. Tender condition prevails.
281	Vol 4 Technical Specification for IT Infrastructure	Approved makes for PACS Workstation:HP/ Dell	Request you to include Lenovo and IBM as approved makes for PACS Workstation.	No Change. Tender condition prevails.
282	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Desktop, Notebook PC & Thin Client: HP/ Dell	Request you to include Lenovo and IBM as approved makes for Desktop, Notebook PC & Thin Client.	No Change. Tender condition prevails.
283	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Tablet: HP/ Dell/ Samsung	Request you to include Lenovo and IBM as approved makes for Desktop, Notebook PC & Thin Client.	No Change. Tender condition prevails.
284	Vol 4 Technical Specification for IT Infrastructure	Approved makes for Printer & Scanner: HP/ Ricoh	Request you to include Epson as approved makes for Printer & Scanner.	No Change. Tender condition prevails.
285	BOQ - V			

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
286	3.1	Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge.	Please provide us the detailed drawing.& thickness of cover plate & detailed specification	As per CPWD Specifications/ tender conditions
287	3.11	Providing and fixing of expansion joint system related with wall joint (internal/ external) locationas per drawings and direction	Please provide us the detailed drawing & detailed specification	As per CPWD Specifications/ tender conditions
288	3.12	Providing and fixing of expansion joint system of approved make and manufacture for various roof locations as per approved drawings and direction of Engineer-In-Charge.....	Please provide us the Approved drawing & detailed specification.& provide the details regarding the various roof location	As per CPWD Specifications/ tender conditions
289	3.13	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet	Please provide us the Approved drawing & detailed specification & also provide approve approved pattern	As per CPWD Specifications/ tender conditions
290	4.01	Providing and laying auto claved aerated cement(AAC) plinth level up to floor masonry in super structure above....	Please specify the size of AAC and detailed specification	As per CPWD Specifications/ tender conditions
291	4.03	Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPSCore) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded.....	Please provide us the detailed drawing.	As per tender conditions
292	4.07	Applying breathable, non reactive, antifungal and water approved by Engineer of approved brand and manufacture repellent silane /siloxane chemical.....	Please provide us the approved brand.	As per tender conditions
293	4.18	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board,including providing and fixing of frame work made of special section power pressed/ roll form	Please provide the detailed drawing or sectional drawing showing channel section details	As per tender conditions
294	4.19	Providing & fixing Classique Invincible Toilet Cubicle of Greenlam Sturdo / merino or equivalent approved make of sizes as per drawing.....	Please provide the drawing	As per tender conditions
295	5.03	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868.....	Please provide the drawing	As per tender conditions
296	5.06	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc...	Please provide the drawing	As per tender conditions
297	5.07	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shadeaccording to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern,.....	please clarify approved design/pattern,with approved standard section	As per tender conditions
298	5.16	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt// suede finish.....	Please provide us what is to be considered Laminated sheet of plain / wood grain in gloss / matt// suede finish &also provide the basic rates	As per tender conditions
299	5.17& 5.18&5.19	Providing and fixing factory made door frame (single rebate) made out of single piece extruded...	Please provide us with technical specification or drawings	As per tender conditions
300	6.02	Providing and fixing hand rail of approved size by welding etc.....	Please provide us detailed drawing of handrail &and appoved size	As per tender conditions
301	6.03	Providing and fixing M.S. grills of required pattern in frames of windows etc.	please provide us required pattern of grills in frames of windows etc.	As per tender conditions
302	7.03	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved.....	As the prices varies individually of diffrent stones,please provide us which stone is to be considered. Provide basic rates of the stones to be considered.	As per tender conditions
303		a) Raj Nagar plain		
304		b) Udaipur green/Jaiselmer marble		
305	7.04	Providing and fixing machine cut, mirror / eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design .....	since prices vary for individually of diffrent stones,for flamed/polished,so please provide us what is to be considered flamed /polished Provide basic rates of the stones to be considered	As per tender conditions
306		18 mm thick Flamed/polished granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent		

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
307	7.05	Providing and laying Polished / flamed finish Granite stone flooring in required design and patterns,.....	since prices vary for individually of different stones, for flamed/polished, so please provide us what is to be considered flamed /polished Provide basic rates of the stones to be considered also provide design and pattern	As per tender conditions
308		a) Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.		
309	7.07	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars....	since the prices vary individually of different stones, for flamed/polished, so please clarify us what is to be considered flamed /polished. Provide basic rates of the stones to be considered.	As per tender conditions
310	7.08	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make.....	Please provide us the basic rates	
311	7.09	Item no 7.09 to 7.11	Please provide us the basic rates	As per tender conditions
312	7.14	Providing and fixing glazed screen printed border tile 75mm wide having thickness 5mm, of approved quality	Please provide us the basic rates & approved makes	As per tender conditions
313	7.15	Providing and fixing machine cut, mirror/ eggshell polished, Marble stone work .....	since the prices vary for individually of different stones, please provide us the basic prices to be considered.	As per tender conditions
314		18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.		
315	7.16	Providing and laying machine cut, mirror polished Marble stone flooring, in required ....	since the prices vary individually of different stones, please provide us which stone is to be considered. Provide basic rates of the stones to be considered.	As per tender conditions
316		18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.		
317		Pvc Grab rail crash guard system		
318	7.19	The system of approved brand and manufacturing with different colour strips.....	kindly provide the details approved makes	As per tender conditions
319	7.26	Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height...	please provide us detailed drawing .& also mention about the height to be raised & also mention the detail specification	As per tender conditions
320	8.01	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level...	Please provide us the drawing & approved texture of false ceiling tile & its approved makes	As per tender conditions
321	8.02	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle...	Please provide us sectional drawing & specifications	As per tender conditions
322	8.03	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special section....	Please provide us sectional drawing & specifications	As per tender conditions
323	8.04	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern	Please provide us sectional drawing & specifications & approved texture design and pattern of mineral fibre tile..	As per tender conditions
324	8.08	Water proofing on terrace garden slab/ basement roof slab: Providing and applying cold applied bituminous primer of approved brand & manufacture over slab substrate. Providing and applying 2 mm thick high performance cold applied self adhesive waterproof sheet membrane of approved brand & manufacture.....	Please provide us approved brands of self adhesive waterproof sheet membrane	As per tender conditions
325	8.12	Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance.....	Please provide us the thickness of coat	As per tender conditions
326	8.15	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern.....	Please provide us approved size & pattern and drawing of the steel frame	As per tender conditions

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
327	10.01	Proving and fixing glass Reinforced Concrete (G.R.C) Screens in approved size, pattern design, thickness and color of approved make .....	Please provide detailed drawing with location point of grc screen in a building & details of fixtures and fittings.	As per tender conditions
328	10.02	Providing and supplying aluminium extruded tubular and other aluminium sections as per thearchitectural drawings and approved shop drawings , the aluminium.....	please provide the drawings & specification	As per tender conditions
329	10.04	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermeticallysealed6-12- 6 mm insulated glass.....	please provide the drawings & specification& colour	As per tender conditions
330	11.15	Proving & fixing Selection no.1 grass turf with earth 50 mm to 60 mm thickness.....	Please provide the alternate option for selection No. 1 grass turf as it is not available.Provide basic rates of the stones to be considered.	As per tender conditions
331	1.01	Providing and fixing of White Vitreous china closed coupled water closet with vitreous china cistern,with dual flush fitting.....	Please provide the catalogue no.or model no	As per tender condition
332	1.02	Supply of White Vitreous china extended wall mounting water closet with dual flush Concealed Cisternwith fitting of flushing.....	Please provide the catalogue no.or model no	As per tender condition
333	1.03	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron Por S trap.....	Please provide the catalogue no.or model no & please mention appropriate approved brands as this item description doesnot match with the given approved brand in the document	As per tender condition
335	1.04	Supply and fixing of white glazed vitreous china wash basin with R.S. or C.I. brackets painted white,C.P. brass chain with rubber plug 32 mm.....	Please provide the catalogue no.or model no	As per tender condition
336	1.07	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. Brass pillar taps, 32 mm C.P. Brass.....	Please confirm if it is wall flanged pillar taps or elbow operated lever type& catalogue no or model no	As per tender condition
337		a) White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI marked.....		As per tender condition
338	1.08	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain withrubber plug,	Please provide the catalogue no.or model no	As per tender condition
339	1.19	Providing and fixing vitreous china division plate of size 750x165x365 mm of approved make anddesign including brass cleats,C.P.	Please provide the catalogue no.or model no & please mention suitable approved brands as this item description does not match with the given approved brand in the document	As per tender condition
340	1.21	Providing and fixing Hospital S S 304 -18 SWG(thickness 1.2 mm) bed pan sink with P trap, size 850Wx 600Dx300Hmm.....	Please provide the approved makes of bed pan sink & catalogue no or model no	As per tender condition
341	3.01	water supply		
342		providing and fixing Chlorinated Polyvenyl Chloride(CPVC)pipes having thermal stability for hot & cold water supply.....	In the given boq it is mentioned the pipe of dia62.5 but cpvc pipe 62.5 dia sdr 11is not available.	As per tender condition
343	3.19	Providing and fixing enclosed type water meter ( bulk type) conforming to IS : 2373 and tested bymunicipal .....	Please provide the approved makes	As per tender condition
344	3.3	Providing & fixing SS body solid state fully hygienic no touch hand drier of approved make rated forcontinuous repeat usag.....	Please provide us the detail specification,or capacity,power,air speed, water splash, voltage& also mention the basic rates	As per tender condition
345	3.28	Providing and fixing C.P. brass lab sink pillar tap with long elbow operating lever handle of approvedmodel and make complete in all respect.....	approved brands which are mentioned in specification does not have this item .	As per tender condition
346	3.32	providing & fixing water storage cooler of approved make and brand with SS body having minimum flow rate of 40 ltrs. Per hour and storage capacity 80 ltrs.	Please provide the approved makes	As per tender condition
347	4.17	Providing and laying Laboratory/hospital effluent waste pipe and fitting of high density polyethelene...	Please provide the units of this item	As per tender condition
348	5.01	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot &	Please provide the grade of cpvc pipe	As per tender condition
349	5.22	Supply & fixing of Fire-stop Fire sealing System Board Type(barriers) of approved make for...	Please provide the approved makes	As per tender condition

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
350	5.26	Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced...	Please provide us the drawing and detail specification	As per CPWD Specification and tender conditions.
351	5.33	Providing and fixing factory made uPVC white colour windows comprising of uPVC casement/casement cum fixed glazed....	Please provide us the drawing and detail specification	As per CPWD Specification and tender conditions.
352	Electrical Sr.no 7	UPS	The rate given for UPS seems to be only after considering single UPS and not for a set as specified in BOQ.	<b>Amended Electrical Bill of Quantity/Estimate attached as Annexure - I may be referred.</b>
353	Stp	Planning, Designing, Detailing, Supplying, Erection, Testing and Commissioning of Package Sewage treatment plant based on MBBR (Moving bed Bio Reactor)/FAB technology.....	The inlet Raw water parameters and outlet treated water parameters are not been given,	As per tender condition
354			The technology requirement is mentioned as MBBR. Other SBR Technology may be considered.	As per tender condition
355			Please confirm whether batching plant can be set up inside plot premises.	As per tender condition
356	BOQ Item No 3.10, 3.11 & 3.12	Expansion Joint Work	Please provide detail drawing, make & approved vendors for expansion joint work.	As per tender conditions.
357	BOQ Item No 4.01	AAC Block Work	Please provide thickness of AAC blocks	As per CPWD Specifications & tender conditions.
358	BOQ Item No 4.04	decorative laterite masonry using selected Patradevi stone	Please provide basic rate of patradevi stone.	The item shall be carried out as per Goa Schedule of rates
359	BOQ Item No 4.13 a	50 mm thick decorative Laterite stone tile	Please provide basic rate of laterite stone tile.	As per tender conditions.
360	BOQ Item No 5.27	Providing and fixing automatic sliding door	Please provide size of door & approved vendor for sliding door.	As per tender conditions.
361	BOQ Item No 5.48	Rolling Shutter	Please provide approved vendor of rolling shutter.	As per tender conditions.
362	BOQ Item No 7.06 & 7.07	Kota stone flooring work	Please provide basic rate of kota stone.	As per tender conditions.
363	BOQ Item No 7.08	ceramic glazed wall tiles	Please provide size of tile & basic rate of ceramic tile.	As per CPWD Specifications & tender conditions.
364	BOQ Item No 7.09, 7.10, 7.11	Vitrified & ceramic tiling	Please provide basic rate of vitrified & ceramic tile.	As per CPWD Specifications & tender conditions.
365	BOQ Item No 7.26	Providing and fixing removable raised/false access flooring	Please provide approved make of false flooring system.	As per CPWD Specifications & tender conditions.
366		Concrete Works	Please confirm percentage usage of fly ash & crush sand in concrete.	As per CPWD Specifications & tender conditions.
367		c. 1 No. factory fitted ( unit mounted or separate as per std design of Chiller manufacturer ) variable frequency drive with active harmonic filters to limit THDi to 5% at equipment level and suitable for compressor motor complete with ammeter with CTs, overload protection ,under voltage protection, protection against phase reversal & independent single phase preventers etc complete as required.	VFD along with factory fit, active Harmonic filter shall be provided.  AHRI Certified sheet shall include active harmonic filter losses.	Shall be as per tender conditions.
368		Chiller to be provided with VFD along with harmonic filters.	Goa being a coastal region with not significant variation in wet bulb temperature, we recommend hybrid system i.e. 2 nos. (both working) Cons. speed chillers to cater base loads and 2 nos (1W + 1SB) of chillers with VFD for catering loads at night / winter conditions. This combination will give better capex-opex solutions as compared to all VFD system.  IPLV for constant speed chiller shall be as per ASHRAE 90.10	Shall be as per tender conditions.
369		VFD shall be the same make and model which will be used for the testing at manufacturer's works for the AHRI certification. The power and control wiring of the VFD starter to chiller shall be done by the manufacturer.	Identical VFD on which testing carried out at factory will be supplied along with the chiller. VFD will be factory fit, factory integrated along with power and control wiring.	Shall be as per tender conditions.
370		ASME Stamped condenser and evaporator	All vendors can offer chiller with pressure vessels designed as per ASME design standards. We will be adhering for the same.	Shall be as per tender conditions.
371		Drive motor shall be open type / Semi-hermetic design	As per CPWD amendment dated 5th Aug. 2016, attached herewith, open motor shall be SPDP being indoor application.	Standard design of the manufacturer acceptable.

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**ANNEXURE-A**

<b>Sl. No.</b>	<b>Reference</b>	<b>Tender Provision</b>	<b>Bidders Queries</b>	<b>Reply</b>
372		Evaporator to be provided with marine water boxes	Being close loop system, evaporator rarely needs to be descaled, hence providing marine water box on evaporator doesn't justify. Please confirm if it is needed.	Required. Shall be as per tender conditions.
373		Pressure loss on water side for condenser.	There is discrepancy on allowed pressure loss for condenser in specs and BOQ. Specification allows pressure drops upto 8 Mtr. While BOQ asks for pressure loss up to 5 MTr. We hope pressure loss up to 8 Mtr. Acceptable. Kindly confirm.	BOQ says 8 m. Shall be as per tender conditions.
374		Dry Scrubber for Kitchen	Please provide Static Pressure	As per requirements.
375		Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.	Please confirm, GSS Ducting will be Rectangular or Spiral Ducting	Rectangular ducting.
376		Centrifugal Chiller	Daikin ( Mcquay)	Shall be as per tender conditions.
377		Ventilation Fans	Airflow, Dynair	Shall be as per tender conditions.
378		Factory fabricated Ducting ( Rectangular)	Zeco	Shall be as per tender conditions.
379		Factory fabricated Ducting ( Spiral)	Westurnair Duct, Spiral Tubes, G.P. Spiro	Shall be as per tender conditions.
380		Air Distribution Products	Air Products. Cosmos, Dynacraft	Shall be as per tender conditions.
381		Power & Control Cables	Polycab / KEI	Shall be as per tender conditions.
382		Cable Tray	Profab	Shall be as per tender conditions.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
383		STP and ETP	Please confirm, inlet and outlet parameter	As per tender condition.
384		STP and ETP	Please add additional make like Eureka forbes and WTE	As per tender condition.
385		Solar Heating system	Please provide contact details of BHEL, TATA BP and EMMVEE	Regret
386		CPVC pipe	Please confirm, pipe grade	As per tender condition
387		GI pipe	Please confirm, pipe grade	As per tender condition
388		Gyser	Please confirm make and model number	As per tender condition
389		R.O plant	Please confirm make and model number	As per tender condition
390	Tender Submission Date	14.02.2017 upto 15:00	We request to extend bid submission date by 2 weeks.	As per tender condition.
391	Volume I NIB & ITB SECTION-III SCOPE OF WORK Cl. 4	<p>4. The activities to be carried out for the completion of the Project shall include the following and any additional activities incidental to these:</p> <p>i. Buildings as specified.</p> <p>ii. Internal and external services as per drawings</p> <p><u>iii. Getting all approvals / permissions / planning permits of the statutory / local / governmental agencies as required incidental to construction/ completion.</u></p> <p>iv. Submission of the completion (i.e. 'as-built') drawings and other related documents, both a hard copy and the soft copy in Auto CAD or any other IT application used for the purpose.</p> <p>v. Preparation of specifications and vender list (in case not already provided) for all equipment wherever necessary and called upon to do so and getting these approved from client.</p> <p><u>vi. Obtaining occupancy certificate and related NOC's from statutory/ local/governmental agencies. Statutory payment on this account will be reimbursed by the client at actuals on production of payment receipts</u></p>	Contractor shall be responsible for Approvals, Permits & Compliance with Law related to temporary works/setups only. Please confirm.	As per tender condition.
392	GCC Cl.1A Security Deposit	security deposit of 5% of the tendered value of the work in the form of cash / Government securities / fixed deposit receipts.	We propose Bank Guarantee of equivalent amount instead of government securities. Please confirm	As per tender condition.
393	GCC Cl. 3A	<p>In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case contractor wants to close the contract, he shall give notice to the department stating the failure on the part of department. In such eventuality, the Performance Guarantee of the contractor shall be refunded within the following time limits:</p> <p>(i) If the tendered value of work is upto Rs.45 lac : 15 days</p> <p>(ii) If the tendered value of work is more than Rs.45 lac &amp; upto Rs.2.5Cr. : 21 days</p> <p>(iii) If the tendered value of work exceeds Rs.2.5 crore : 30 days</p> <p>If the PG is not released within prescribed time limit, then a simple interest @0.25% per month shall be payable on Performance Guarantee amount to the Contractor from the date of expiry of prescribed time limit.</p> <p>A compensation for such eventuality, on account of damages etc. shall be payable @ 0.25% of tendered value subject to maximum limit of Rs.10 lacs.</p>	Estimated cost of project is Rs.264 CR & 0.25% of it would be Rs.66 lacs. Contractor should get compensated for all direct & indirect losses for such eventuality at actual. (1/8th of stipulated time means 3.5 months). Please confirm.	As per tender condition.

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**ANNEXURE-A**

Sl. No.	Reference	Tender Provision	Bidders Queries	Reply
394	GCC Cl. 4	In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the power vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor), use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being	We kindly request any dispute should be arbitrable. Contractor should be allowed to takeout its tools,plant & other setup from the site under such circumstances.	As per tender condition.
		<b>Amended Make List for Electrical Item :-</b>		
		<b>S.No.</b>	<b>ITEM</b>	<b>MAKE</b>
		1	Main LT Panel/ APFC panels /Main AC panel	Siemens/ L&T/ABB/Schneider/ SPC Electro Tech Limited/ Tricolite/Adlec
		2	ACB	L &T 'U' Power(Omega)/ Siemens 3WL/ ABB/ Schneider (NW-Master Pact)
		3	Moulded Case Circuit Breaker	L &T – (D sine/DL) / Siemens-VA/ ABB-TMA/ Schneider (Compact NSX)
		4	Cable Trays/ Raceways	OBO/ Legrand/ Cooper/BEC /Pilco Marketing and manufacturing Pvt.Ltd/Profab Engineers
		5	Active Harmonic Filter	Siemens/ L&T/ EPCOS/ ABB/Schneider
		6	Street light poles	Jindal/Bombay Poles/Bajaj/Pierlite/Pruith Engg.

**The Contractor will be required for removal, shifting & relocation of any/all services encountered in the construction area without affecting the functionality of hospital/College.**