

Date of Pre Bid Meeting: 22-09-2022

Name of the Work: Construction of precast 2Nos Faculty Housing Tower (G+12), 3Nos Staff Housing Towers (G+12) and 3Nos Hostel Blocks (G+6) RCC Structures at IIT Hyderabad, Kandi, Sangareddy.

NIT No: IITH/CMD/CIVIL/NIT/2022-23/09, Dt: 13-09-2022.

| Pre bid Query | | IITH Reply |
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| 1 | Earnest Money Deposit: | |
| Cl.2.27 1) Pg. 82 | List of Documents to be submitted within the period of bid submission 1) EMD in Bank Guarantee of any Scheduled Bank in Form-H. | i. As Form-H is not provided in the downloaded bid documents, we presume that Bank guarantee towards Earnest Money deposit can be obtained using format available on page No 947-948 under GCC of tender documents. Kindly confirm. ii. Further, we presume that EMD in Bank Guarantee shall be drawn in favour of "Executive Engineer, IITH". EMD shall be drawn in favour of the "Director IIT Hyderabad". |
| Pg. 947-948 | Form of Bank Guarantee for Earnest Money Deposit / Performance Guarantee/ Security Deposit/ Mobilization Advance/ Refund of milestone withheld amount | |
| Para 5 on Pg. 29 | Earnest money Rs. 2, 71,85,600/-in the shape of bank guarantee issued by [name of the scheduled bank] is submitted. | |
| Cl. 4 Pg.3 | In case of Bank Guarantee (BG) bidder should prepare the BG as per the instructions specified in the tender document. The BG in original should be posted / couriered/given in person to the concerned official of IIT Hyderabad before the Online Opening of Technical Bid. In case of non-receipt of BG in original by the said time, the uploaded bid will be summarily rejected. | |


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| | Cl. 15 Pg 7-8 | <p>15. Cost of Bid document and EMD may also be remitted to Institute's account number as per bank particulars given below:</p> <p>Name of the Account Holder: Indian Institute of Technology Hyderabad Account Number: 30412797764 (Current Account) Name of the Bank: State Bank of India Address of the Bank: IIT Kandi, IIT Hyderabad Campus, Kandi, Sangareddy, Telangana - 502285 Branch code: 14182 IFSC code: SBIN0014182 MICR code: 502002528 SHIFT code: SBININBB762Rs. 105.00 Cr.</p> | <p>iii. We presume that the beneficiary account details of the beneficiary of EMD BG shall be the same as provided vide Cl. 15 on Pg 7-8.</p> <p>Kindly confirm.</p> | <p>Beneficiary details are same as provided in Page No. 7-8 of Cl.15 (Volume 01).</p> |
| | <p>EMD payment options on eportal https://mhrd.uniwizarde.com</p> | <p>EMD Payment Mode</p> <ul style="list-style-type: none"> • EMD Exemption • E-Payment • NEFT | <p>iv. We have noticed the e-tender portal does not provide an option for payment of EMD in the form of Bank guarantee, though the tender document allows for the same. We therefore request you to make necessary provision and elaborate the mode for uploading the Bank guarantee on e-portal.</p> <p>v. We encountered errors when we tried making EMD payment using E-Payment option. Also, we could not generate the challan for offline payment when we tried making EMD payment using NEFT mode. We therefore request you to check & rectify these errors.</p> | <p>The procedure elaborated in "Submission of Bids" under para no.03&04, Page No. 03 shall be followed.</p> <p>If any query regarding online payment and submission, bidder may directly contact the uniwizard 24X7 helpline numbers as provided under section "Assistance to Bidders" at Page No.04.</p> |
| 2 | Net worth / Solvency | | | |


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| | Cl.4 on Pg.5 & Cl. 2.14 c) Pg. 75 | Should have a Net worth certificate of (Scanned copy of original Net Worth certificate issued by bankers, not older than six months from the last date of submission of bids, to be uploaded). | Certificate for Net worth as at end of a Financial year is issued by a Chartered accountant and not by a bank. Also, from the contents of Form B the format appears to be for "Bankers Solvency Certificate" and not for "Net worth Certificate" In view of above we presume that bidder is expected to have Solvency certificate of minimum Rs. 105.00 Cr. Hence we request you to clarify your intent and amend the relevant clauses and Form B accordingly. | Bidder shall submit the "Net Worth Certificate" issued by a Chartered Accountant. |
| | Form B on Pg.101 | FORM OF BANKERS "NETWORTH CERTIFICATE" FROM A SCHEDULED BANK This is to certify that to the best of our knowledge and information that M/s./Shri..... having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs (Rupees.....). | | Bidder shall submit the Solvency Certificate of minimum Rs. 105.00 Cr issued by the Banker. |
| | Cl. III on Pg. 100 | FORM "A1" FINANCIAL INFORMATION III. Solvency Certificate from Bankers of bidder in the prescribed Form "B" | | |
| 3 | Integrity Agreement | | | |
| | Form J on Pg. 107 to 113 | Letter regarding Integrity Agreement and Integrity Agreement | We presume that bidder needs to submit Letter and Integrated Agreement as per Form J and as per formats given in GCC. Kindly confirm. | Integrity Pact is not required for this work. |
| | Pg. 850 to 856 GCC | Integrity Pact, Letter and Integrity Agreement | | |
| | Pg. 901 to 905 GCC | Integrity Pact | | |
| 4 | Affidavit regarding blacklisting | | | |
| | Cl. 6 on pg. 6 | To become eligible, the tenderer shall have to furnish an affidavit as per Form 'J' of the NIT. | The tender document contains two different Form-J. Also, the contents of the Affidavit given on pg. 10 and on pg. 114 are the same but have been assigned different form Nos i.e. FORM-J and FORM-M. Whereas Form J and Form-M on page no. 10 & 114 respectively are for affidavit, the proforma on page No. 107 to 113 pertains to Integrity Agreement. We therefore presume that the Form J on pg. 10 or FORM -M on Pg 114 is to be submitted to comply with Cl. 6 on pg. 6. | Form-M at Page -114 shall be considered for preparing and submitting the Affidavit. The Form-J provided at Page No.10 shall not be considered. |
| | FORM 'J' on pg. 10 | AFFIDAVIT I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state /Central Departments / PSUs/ Autonomous bodies during the last 7 years of its operations..... | | |
| | FORM -M on Pg 114 | NOTE: Affidavit to be furnished on a 'Non-judicial stamp paper worth Rs. 100/- | | |

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| | Form J on Pg. 107 to 113 | Letter regarding Integrity Agreement and Integrity Agreement | Kindly confirm. | |
| 5 | Cl. 32 Pg.24-26 | Requirement of Technical Staff / Architectural Personnel | We presume that bidder is not required to submit any documentation in respect of Technical & Administrative employees with their bids. Please confirm | Not required to submit along with bid. The successful bidder shall fulfil Clause -32 of Schedule-F. |
| 6 | Appendix II Pg. 118-119 | Plant and Equipment at Site & Precast Yard /Factory | We presume that bidder is not required to submit any documentation in respect of Plant & Equipment with their bids. Please confirm. | Need not submit any documentation in respect of Plant & Equipment with the bid. Shall ensure the T& P equipment mentioned at page 118-119 are deployed by the successful bidder after award of the work. |
| 7 | Cl. 4 Pg.3 | Physical Hard copy Bank Guarantee (BG): In case of Bank Guarantee (BG) bidder should prepare the BG as per the instructions specified in the tender document. The BG in original should be posted / couriered / given in person to the concerned official of IIT Hyderabad before the Online Opening of Technical Bid. In case of non-receipt of BG in original by the said time, the uploaded bid will be summarily rejected. | This being an online tendering process presume that the Bidder shall submit only the hard copy of original Bank Guarantee (BG) before the Online Opening of Technical Bid and is not required to submit hard copies of any other Technical Bid documents uploaded on e-tender portal. Please confirm. | Tender conditions shall prevail. |
| 8 | Cl. 2.15 Pg. 77 | For specialized components of civil works: Eligibility Criteria for associate specialized Agencies for civil works. (a) Architectural Consultancy (b) For Civil Works - Water proofing treatment works | We presume that eligibility documents as specified in the clause shall be submitted by the successful Bidder after award of work and are not required to be submitted by all the bidders along with their tender. Please confirm | Yes. Shall be fulfilled and submitted by the successful bidder after award of work. |
| 9 | Technical Data regarding E & M Works Pg. No 577-579 Vol-4 | Data Sheet for UPS System | | |


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| 3.6.2 /617 Vol-4 | Exhaust Piping: Silencer outlets shall be connected to exhaust piping carried to the top of the building through shafts provided for the purpose. Exhaust piping shall be fabricated as per IS from MS pipes of size suitable to limit back pressure to within permissible limit. Contractor shall submit design calculation in support of the back pressure being within limits along with the tender. | We presume that the Data Sheets, design calculations, Quality assurance plan for equipment, illustrations, part numbers, other technical submittals etc. are to be submitted by the successful Bidder after award of work and hence are not required to be submitted along with the tender. Please confirm | Yes. The Successful bidder shall submit these documents in accordance with the specifications given in the tender document after award of the work. |
| Page 769 Vol-4 | "Documents to be furnished along with Submission of Tender Document Quality assurance plan for equipment to be submitted by the contractor." | | |
| Pg. 696 Vol-4 | <p>F/UTPCAT6A: "Attenuation, Pair-to-pair and PS NEXT, ELF EXT and PSELFEXT, Return Loss, ACR and PS ACR for 4-connector channel, to be submitted with bid"</p> <p>F/UTPCAT6A 110 Jack: ETL Verified 4-Connector Channel to ISO/IEC 11801 AMD I Class EA, along with channel illustration, and parts numbers to be submitted along with the bid, options in different colours.</p> <p>F/UTPCAT6A PATCH PANEL: ETL Verified 4-Connector Channel to ISO/IEC 11801 AMD I Class EA, along with channel illustration, and parts numbers to be submitted along with the bid</p> | | |
| | Any other technical submittal for Internal / External Electrification, Lift, Fire Alarm, Fire Fighting system & water supply pumping, LAN, Wi-Fi Networking system, Solar Hot Water & HVAC system works etc. conforming to any other standards etc pertaining | | |

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| 10 | Cl. 2.31 Pg. 84 | "The main contractor has to enter into agreement with contractor(s) associated by him for execution of specialized/minor component(s). Copy of such agreement shall be submitted to Engineer in-charge. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him. " | We request you not to allow any change in eligible specialized/minor component agency proposed by Main contractor & approved by the authority at tender stage particularly for the Precast work. In view of above the above clause needs to be appropriately amended. | Tender conditions shall prevail. The last sentence stands modified as "..... on prior approval of the Institute. " |
| 11 | Cl. 24. pg. 9 | <u>Bidder has to submit Undertaking</u> on their letter head pursuant to the Section 206AB (as applicable) of the Income Tax Act, 1961 in prescribed format as enclosed at Annexure-A along with each and every bill submitted for payment. | We presume that the bidders need not submit an Undertaking as per Annexure A with their technical bids, as this will be submitted by the successful contractor with each and every bill submitted for payment. Kindly confirm | All intending bidders shall submit the Annexure – A along with the bid. |
| | Pg 11 | Annexure — A Undertaking pursuant to Section 206AB (as applicable) of the income Tax Act, 1961 | | |
| 12 | Audited Balance Sheets | | | |
| | CL. 2.14 Pg 75 | The bidder should have had average annual financial turnover (gross) of Rs131.00 Crore on construction works during the last three Consecutive years ending March, 2022, Balance sheets should be duly audited by Chartered Accountant. (copy of Audited Balance Sheet to be submitted). | <ul style="list-style-type: none"> i. Kindly confirm whether bidders are required to upload the scanned copies of Balance Sheets for last 3 or 5 years. ii. We would like to bring to your kind notice that these documents are bound books comprising about 100 -120 pages each. The scanned | Yes.. shall submit scanned copies of chartered accountant certified balance sheets for the last 5 financial years. |


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| | FORM "A1" Pg 100 | Financial Analysis-Details to be furnished duly supported by figures in <u>balance sheet/ profit & loss account for the last five years</u> duly certified and audited by the Chartered Accountants, as submitted by the applicant to the Income Tax Department (Copies to be attached). | copies of these documents will require more than 5 MB of space for uploading. Considering the restrictions on the file size that can be uploaded on the e-portal it may not be possible to upload legible scanned copies of these documents. Hence, we request you to allow us to upload scanned copies of Abridged Balance Sheet & P&L Statement of each of the last 5 years instead of complete Audited Balance Sheet. | Balance Sheet and Profit & Loss statement duly certified by the Chartered Accountant shall be submitted along with the bid. |
| 13 | Clear work site | - | We presume that the clear work site will be handed over to the Contractor by the client. Kindly confirm. | Site is Ready. On the day of the pre bid meeting a site visit was arranged by the Institute for the bidders to understand the physical site conditions and services. |
| 14 | Modification of conceptual drawings | We have noted that, bidder has to quote as a EPC Contract including designing and all the statutory approval are to be obtained by the contractor. In view of this, the building plan are to be prepared as per the NBC Norms, Local Authority Norms such as Provision of fire tower, fire ducts, PHF Ducts, Meter Room, etc., which leads to change in floor plan as well as increase in overall built up area. | Please confirm whether bidder has to modify the drawings as per NBC Norms / Local Authority Norms or else to follow the tender drawings; in that the approval from Local Authority should be obtained by Client. | The Contractor shall ensure Planning and Construction of the buildings to fulfil all Statutory and Codal requirements within the specified plinth areas. |

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| 15 | Milestone: Vol.1, Pg.15-19 | Table of milestones as given in tender document building wise. | <p>We request you to allow successful bidder to submit their own milestone, keeping overall completion as per the Tender document.</p> <p>As per CPWD norms withheld amount can be release against submission of Bank Guarantee.</p> <p>We request you that withheld percentage in case of non-achievement of mile stone shall be w.r.t. total amount of respective building, not for total contract value.</p> | <p>Not accepted. Tender Conditions shall prevail.</p> <p>Yes. Shall be as per Clause 2 page no 860 of GCC (Volume 06).</p> <p>Yes. Withheld amount shall be with respect to the total amount of the respective Section.</p> |
| 16 | Commencement date | <p>As per the tender document the Environmental Clearance and Local Authority approvals are to be obtained by contractor which is a time-consuming process and it will take its own time.</p> <p>At the same time, the completion of building starting from 9 months to 18 months as per milestones given .</p> | In view of above; we request to consider the commencement date of 1st Building should be considered after receipt of all the approvals. | <p>Not accepted. Tender Conditions shall prevail.</p> <p>The milestones of one hostel block and the faculty housing towers have been revised. The revised milestones may be seen in the Corrigendum.</p> |
| 17 | Mobilization Advance: Vol- I, Pg. 21/ Cl. 10B (ii) | <p>10% of the tender Value.</p> <p>In 2 Or more instalment within 6 months of the order to commence the work.</p> | We request you to release interest free Mobilization Advance up to 10% of the contract price in single instalment after receipt of Work order. | Tender Conditions shall prevail. |
| 18 | Vol – I, CL 22A / Pg. No. 08 | GST is applicable. | We presume that the GST is applicable as per the latest G.O. No. FD447 Expenditure 12/2022 dated 30 th July, 2022 & the applicable GST rate for this contract is @18% and the same will be paid to the Contractor. Please confirm. | Applicable rate of GST is 18%. Quoted contract amount shall be inclusive of all applicable taxes. |

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| 19 | Additional 10% security deposit: Vol.3, Tech. Specification, Guarantee bond, Pg.335 & 336 | As per tender, the main contractor has to deposit with the owner the performance guarantee (5% of Contract value) and Retention money / Security deposit (2.5% of Contract value+50% Performance guarantee retained as Security deposit) after award of work. | As the contract value includes all the cost of specialized works too, and the purpose of above-mentioned Performance guarantee & Retention / Security deposit meant for monetary / financial guarantee for due performance of the contract placed on it, to safeguard the interest of the owner / client in the event of improper performance of the contract. In view of this, we request not to insist the additional 10% security deposit for item of works executed through specialized agency(s) separately. | Tender Conditions shall prevail. The 10% security deposit mentioned at Page Nos.385 and 386 shall be applicable for the value of items of works related to waterproofing in addition to the security deposit mentioned elsewhere in the contract. |
| 20 | Defect Liability Period: Vol. –1/ Pg. 23 & 91 / Cl. 17 & 5.17 | Defects liability period shall be three (03) years after declaring the sectional completion of the respective buildings. | We request you to make the Defect liability period as 12 months in lieu of 36 months after declaring the sectional completion of the respective buildings, as per standard practice. | Tender Conditions shall prevail. |
| 21 | Drawings | PDF drawings are given. | Kindly provide all Pdf drawings, Soft copy in Auto-cad(dwg) format. | The drawings are indicative only. PDF is good enough for understanding the concepts. |
| 22 | Tender Volume 05 – concept drawing, (Page no. 783 & 785.) | Drawing: location plan for precast faculty and staff housing towers. & Drawing: location plan and staff housing towers | These two clauses are contradictory. Kindly confirm the location of plan for precast faculty. | The proposed locations of housing towers shown in drawing at Page no 783 shall be considered. Page no 785 stands deleted. |
| 23 | Tender volume 03 – Clause -18 development work services (Page no. 474): | Sewage Treatment Plant / Compound wall | We presume that STP and compound wall is not in Contractor's scope. | STP and Compound wall are not in the Scope of work. |

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| 24 | As per tender volume 03 – | Services drawing. | Kindly provide the services drawing. | Services shall be designed as per the scope specified in the tender. External Electrical, water supply and sewerage service line tap-off points drawings are enclosed herewith. |
| 25 | As per tender volume 03 – Clause no. 8.5. water supply line 8.5.5. RCC Terrace Tanks (Page no. 305). & 8.5.6. RCC underground sump (Page no. 306), | The capacity of all RCC terrace tank Storage & The capacity of all RCC Underground Sump storage. | Underground and Overhead storage capacities considered as per CPWD / NBC-2016 norms. Kindly confirm. | Tender Conditions shall prevail. The storage capacities of RCC OHWT and UG Sumps are as per IITH requirement. |
| 26 | Vol 1, clause 5.6, pg 88 | Tap off locations for drawing the services like water supply, electricity and disposal of sewage will be made available to the contractor. These locations are shown in the masterplan enclosed with the bid documents. the contractor shall execute all works necessary for these services as per required engineering design. Nothing extra shall be payable. | Please provide the AutoCAD copy of master plan, enclosed master plan is in PDF format is not visible. Also we presume that as per master plan drawing water supply, sewerage and also storm water drain is to be connected to this tap off location. Please confirm | Auto CAD drawing will be provided to the successful bidder after award of the contract. However tap off points are shown in the drawings enclosed |
| 27 | Vol 1, Development work, clause 5.23, ii , pg 92 | Complete levelling up to required setback of a building including disposal of excess soil and filling with good earth under OMC. | Please provide battery limit for development work. Also provide contour layout for the same. | The development shall be within the plot areas of the proposed bldg. towers. The drawings showing the plot dimensions are enclosed herewith. |
| 28 | Tender document | We have not found specification and drawing for organic waste converter | We presume that organic waste converter is not in scope of work. Please confirm | Not in the Scope of work. |

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| 29 | Vol 3, Technical specification, Clause 19 ,pg 492 | Horticulture work | Please provide the quantity of lawn trees, shrubs, plant and creepers, also provide the battery limit for Horticulture work. | Shall be comprising with Lawn, lawn trees, shrubs, plant and creepers as per the approved architectural design within the limit of Plot Areas of the proposed Bldg towers as per the plot drawings enclosed with reference to the pre bid reply at Sl. No 27 |
| 30 | Vol 3, Technical specification, Clause 20 ,pg 495 | Children Play Area (KOOCHIE or Equivalent Make). | Please provide the location of play area with detailed drawing and quantity for play equipment's. | As per the Drawings enclosed with reference to the pre bid reply at sl no 27. |
| 31 | Vol 3, Technical specification, Clause 8.5.6 ,pg 306 | UG sump | Please provide the location of the UG sump in master plan. Also please confirm it is centralised or separate UG sump for each building. | Separate UG sumps Shall be planned for each building within the Bldg Tower Plot Area as per the approved detailed drawings. Planning shall be under the contractor's scope. |
| 32 | Vol 3, Technical specification, Clause 8.5.8 ,pg 306 | External Service Lines towards Water Supply, Drip Irrigation and Sewerage- Water Supply: - DI pipe lines of suitable diameter from UG sump or HDPE pipe lines of suitable diameter from nearest line to Service tank of each building with control valves complete as per directions of Engineer-in-charge (the system should be conducive to Hydro Pneumatic system to be provided for all buildings). | We presume that hydro-pneumatics system is required only for building overhead tank filling work. | The water pumping system shall be designed as per the scheme described at Pg no 686,687 of Vol -4 |
| 33 | Vol 5, Conceptual drawing, pg 782, 783 | Hostel layout and faculty and staff housing layout Drawing | We presume road showing in grey colour surrounding of buildings only (tender scope) are in contractor's scope. Please confirm | Yes. Roads surrounding of buildings within the plot shown in the drawings enclosed for the pre bid reply at sl no 27 are under the contractor scope. |
| 34 | Vol- 1, clause 5.18, pg 91 | The final plinth level will be decided soon after actual start of work at site. However, the plinth level of the building shall be generally minimum of 450 mm above the crown of finished road. | Kindly provide the finish road levels and cross section mentioning footpaths of all roads. | The contractor shall undertake detailed survey and submit Good for Construction drawings for approval. |





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| 35 | Vol- 1, clause 41, pg 54 | All joints of the precast elements shall be weather proof (Free from any seepage and dampness). Entire structure including joints, slabs, toilets, balconies, utility areas, corridors, entire floor areas of the flats/hostels, Terraces, LMR and Mumty Roofs etc. shall be waterproofed as per the methodology approved by the Engineer In charge. | As per general practice waterproofing shall be done only for wet areas i.e. for toilets, terraces, balconies, LMR, Mumty roofs. However, water proofing is not required for other dry areas like living rooms, bedrooms, kitchen, corridors etc. of entire floor. Please confirm | Tender Conditions shall prevail. |
| 36 | Volume 3, Cl. No. 4.5/Pg No. 297,3:7 337 | Granite cladding on elevation of the building at stilt floor | We presume that Granite Cladding upto 4.0 mtr height shall be done only on front side elevation of the building. Please confirm. | Granite wet cladding shall be 4mtrs height of all sides of all columns at Stilt Floor (i.e. Parking floor) level and all-round external walls, if any as per the architectural elevations on all four sides up to 4 m height |
| 37 | Vol- 1, Section 3, Griha certification clause 44, pg 68 And Vol- 1, , Griha certification clause 5.2, pg 87 | The project is aimed to achieve 4 star GRIHA Rating. To achieve this objective, the Contractor shall adhere to the mandatory stipulations of TERI. The buildings are to be planned and executed to Meet 3 STAR GRIHA. | These two clauses contradictory. Please confirm 3 star or 4 star griha rating is required for project. Please confirm | The buildings shall be planned and constructed to meet minimum 3 Stars GRIHA Rating. |
| 38 | Vol- 3, clause 10.1, pg 363 | Paver blocks | Kindly provide the paver block quantity / area to be paved in master plan layout. | The paver block quantity shall be as per the drawings enclosed for the pre bid reply at sl no 33 |
| 39 | Vol- 3, clause 10.1, pg 363 Vol- 3, clause 10.4, pg 307 | Cement concrete Pavement construction Providing and laying design mix cement concrete Vacuum Dewatered pavement of M-30 grade , in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. | These two clauses contradictory to each other. Please confirm M30 or M25 is required for Cement Concrete Road pavement. Please confirm | It is confirmed that the grade of Concrete shall be M 30. |


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| 40 | As per NBC 2016, Fire & Life Safety (Clause 2.24) | For high-rise buildings or Buildings above 15 mt height, as per NBC 2016, Fire Tower (consisting staircase, Lift & fire shaft) has to be provided to obtain Fire clearance. But in Tender drawings, Fire Tower/fire shafts are not considered. | Can we consider the Fire tower in the architectural floor plan as per Fire norms? Kindly clarify. Accordingly, the staircase position will change. | Please refer to Pre bid reply at Sl no 14 above. |
| 41 | Tender drawings | The electrical room(GF), Fire shaft, and communication shafts are not considered in the Tender drawings. | Can we consider the required shafts in the architectural floor plan to take service lines? Kindly clarify | Please refer to Pre-bid reply at serial no.14 above |
| 42 | On page No .630 Scope of work and specification for Lifts | For 336 Boarders, 13 Passenger Lifts (1 No) and 20 Passenger lifts (1 No) are mentioned. But Tender drawings show 03 Lifts per Building for 336 Borders. | Kindly clarify the no of lifts and Passenger capacity for 336 Boarders. | The tender drawings are indicative only and the scope of work and specifications of LIFTS as given in Volume 4/Technical specifications for E & M works/Page 630 shall be followed |
| 43 | In page No .495 clause 20(1.0) | In Particular specification for civil works, the Scope of work is mentioned for the Children's Play area | But the Location and land area for the Play area is not shown in the Tender drawings. Kindly confirm the location. | Please refer to Pre-bid reply at serial no.30 above |
| 44 | On page No .492 clause 19(1.0) | In Particular specifications for civil works, the Scope of work is mentioned for Horticulture work. | But the Landscape development area & plantation details are not mentioned in the tender document. Kindly clarify. | Please refer to Pre-bid reply at serial no.29 above |
| 45 | On page No .309(2) Tender Document | For Staff Housing Tower(G+12) Tower ST2A& Tower ST2B: Plinth area mentioned for each Tower is 10,155.60 sqm. For two towers the plinth area shall be 20,311.20 sqm. However, as per Tender drawings works out Typical Floor Area - 459.69 sq.m One Tower Plinth area - 459.60x13 Floors = 5975 sq.m Two Tower Plinth area - 5975x02= 11950 sq.m. Staff Housing Tower(G+12) Tower ST1A-Area is matching with the Tender document | Kindly clarify which area has to follow for Staff housing Towers (ST2A&ST2B). | All drawings enclosed with the tender are conceptual and indicative only. The contractor shall ensure planning and construction of the buildings to fulfil all the Statutory and Codal requirements with the minimum plinth area and terms and conditions as mentioned at page no.309. |

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| 46 | On page No .289 (1) Tender Document | For Faculty Housing Tower(G+12) FT1A & FT1B- Plinth area mentioned for each Tower is 17,090.89 sqm. For two towers the plinth area shall be 34,181.78 sqm. However, as per Tender drawings works out Typical Floor Area - 1028.65 sq.m One Tower Plinth area – 1028.65x13 Floors = 13,373 sq.m Two Tower Plinth area – 13373x02 = 26,746 sq.m. | Kindly clarify which area has to be followed for Faculty housing Towers (FT1A&FT1B). | All drawings enclosed with the tender are conceptual and indicative only. The contractor shall ensure planning and construction of the buildings to fulfil all the statutory requirements with the minimum plinth area and terms and conditions as mentioned at page no.289. |
| 47 | Parking | Car Parking details and specifications not mentioned in the Tender document. | We presume that Providing car parking is not in contractor's scope. Kindly clarify. | All Housing towers stilt floors are earmarked for Car parking. It's design and construction is under the contactors scope. |
| 48 | As per NBC 2016 Part -3 Clause (12.18.2) | For all buildings, Terrace floor- Floor to floor height is mentioned as 3.3 mts. Bat for staircase headroom 2.4 mt clear height is sufficient as per norms .3.3 mtrs height is not required. | Kindly confirm the Terrace floor (staircase Headroom) height. | <p><u>Floor to floor heights of Housing Towers:</u></p> <ul style="list-style-type: none"> a) Stilt floor (i.e. Parking) at ground floor is 4.20m b) 1st to 11th floors each 3.20m c) 12th floor (i.e. Terrace/last floor) is 3.30m. d) Staircase head room clear height above the finished floor level of Terrace is 2.40m. <p><u>Floor to floor heights of Hostel Blocks:</u></p> <ul style="list-style-type: none"> a) Ground Floor to 5th floors each 3.20m b) 6th floor (i.e. Terrace/last floor) is 3.30m. c) Staircase head room clear height above the finished floor level at the Terrace is 2.40m. |

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| 49 | Tender drawings | For 336 Boarders, the connecting corridor is shown b/w two Blocks. | Please clarify that the Connecting corridor Is only for Ground Floor or it has to be provided for all floors? | Connecting corridors shall be provided at all floor levels. |
| 50 | Survey Drawings | Survey Drawings for all Buildings | Kindly provide site contour levels for all buildings. | Contour Drawings are enclosed herewith for the guidance of the bidder. The contractor shall undertake detailed survey and investigations before design and planning. |
| 51 | Door & window schedule | Schedule is not given. | Kindly furnish the detail schedule for Doors / windows giving the numbers and sizes. | Shall be developed by successful bidder fulfilling the norms of CPWD/NBC and as mentioned in Technical specs of the tender with the directions and approvals of EIC. The Tender is invited for EPC Mode-I contract, the contractor shall ensure planning and construction of the buildings with fulfilment of all Statutory and Codal requirements within the specified plinth areas. Please refer to GCC enclosed at volume- 6 of the tender document for definition of Mode-I contract. |
| 52 | Tender Documents | Volume - 5: Conceptual Drawings & Subsoil Investigation Report. Page no. 778 – 837 | Please provide the Contour survey drawing along with existing trees, structures, peripheral services and their invert levels. | As the Tender is invited for EPC Mode –I contract, the contractor shall ensure planning and construction of the buildings with fulfilment of all Statutory and Codal requirements within the specified plinth areas. Please refer to GCC enclosed at volume- 6 of the tender document for definition of Mode-I contract. |
| | | | We presume that all the architectural tender drawings comply with Fire & local statutory bylaws. Kindly clarify. | |
| | | | We presume that the requirement of rooms and balconies as shown for each dwelling unit type for staff, faculty housing and the hostel blocks is to be considered as per conceptual tender drawings. Kindly confirm. | |

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| | | | Please Provide an AutoCAD copy of the tender drawings along with the Area P-line (Plinth Area). | As the Tender is invited in EPC Mode -I contract, the contractor shall ensure planning and construction of the buildings with fulfilment of all statutory requirements within the specified plinth areas. Please refer GCC enclosed at volume- 6 of the tender document for definition of Mode-I contract. |
| | | | For Buildings above 15 mt. height, Fire Tower (consisting staircase, Lift & fire shaft) has to be provided to obtain fire clearance as per NBC 2016. But in the Tender drawings, a fire tower is not provided for the proposed buildings. Kindly clarify. | |
| | | | It is observed that service shafts like an electrical shaft, FF shaft etc are not provided in the floor plans. Kindly provide updated architectural plans. | |
| | | | The electrical /meter room, Fire shaft, and communication shafts are not proposed And considered in the Tender drawings. | |
| | | | It is observed that the refuge area is not considered in building planning. If the refuge area is to be provided within the building as per Building by-laws the no. of desired dwelling units would get reduced. Kindly clarify. | |
| | | | For Buildings above 15 mt height, Fire Tower (consisting staircase, Lift & fire shaft) has to be provided to obtain Fire clearance as per NBC 2016. But in the Tender drawings, Fire Tower is not provided for all the buildings. Kindly clarify. | |
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| | | | <p>(FT1A & B – C- Type)</p> <p>As per the tender document lift required is 2no. but as per tender conceptual drawings lifts provided are 8no Kindly clarify.</p> <p>In Tender drawings staircases show without landings.</p> <p>Balcony sizes are not mentioned in the tender drawings.</p> <p>As per the tender drawing overall ventilation is not proper for every tenement.</p> <p>In tender drawings stretcher lift is not provided.</p> <p>Kindly clarify the above queries.</p> | 2 lifts per tower |
| | | | <p>(ST2A & ST2B- D- Type)</p> <p>As per the tender document lift required is 2 No. but as per tender drawings lifts provided are 8no.</p> <p>As per the Tender drawing's kitchen & Living are not provided adequate light and air ventilation.</p> <p>Windows are not provided in the tender drawings.</p> <p>Mid-landing is not provided to Staircase blocks in tender drawings.</p> <p>Kindly clarify the above queries.</p> | 2 lifts per tower |

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| | | | <p>(STIA - E - Type)</p> <p>As per the tender document lift required is 2 No. but as per tender drawings lifts provided are 8no.</p> <p>As per the Tender drawing's kitchen & Living are not provided adequate light and air ventilation.</p> <p>Windows are not provided in the tender drawings.</p> <p>Mid-landing is not provided to Staircase blocks in tender drawings.</p> <p>Service ducts are not provided in tender drawings.</p> <p>Kindly clarify the above queries.</p> | 2 lifts per tower |
| | | | <p>(Hostel Block)</p> <p>As per the tender document lift required is 2no. but as per tender drawings lifts provided are 3no.</p> <p>Adequate Ventilation is not provided for rooms near common passages in tender drawings.</p> <p>Room dimensions mentioned in the tender drawings are varying.</p> <p>Kindly clarify the above queries.</p> | 2 lifts per tower |

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| 52a | Tender Document | <p>Volume-1 Section-5, Scope of work- Clause no. 5.2- Building description table. Page no. 87</p> | <p>The description table mentioned about minimum plinth area of each building. Kindly specify the acceptable percentage variation in the plinth area for each building type. Kindly clarify.</p> | <p>Minimum plinth area of the respective buildings shall be as mentioned at page No.87. The variation on higher side shall be allowed for fulfilling the mandatory plinth area norms as specified by the statutory bodies. Lower side variation shall not be accepted. Higher variation over the specified minimum plinth area beyond 0.50% shall be payable separately pro rata the quoted rates.</p> |
| 52b | Tender Document | <p>Volume-1 Section-5, Scope of work- Clause no. 5.2- Building description table showing Building configuration of Staff and faculty housing as G+12 storied. Page no. 87</p> <p>Also, Volume-3 Technical Specification: All titles of the building description mentioned G+12 floors.</p> <p>Whereas, Volume-3 Technical Specification: height of stilt floor stipulated as 4.20m,</p> | <p>These two stipulations are contradictory. Kindly clarify whether to consider dwelling units at the ground floor level of each building or to consider stilt for parking</p> | <p>Building description as mentioned in Page No. 87 shall be considered.</p> <p>Floor heights of the Housing shall be considered as per the pre-bid reply at Sl.no.48</p> |
| 53 | Special Conditions of Contract, Technical Specification. | Water Supply Scheme is not mentioned. | <p>We presume that external water supply piping from UG Tank to OHT is only in the contractor's scope. The external water supply piping to the UG tank is in the client's scope. Please clarify.</p> | <p>The external water supply lines from Tap off point (shown in the drawings enclosed with reference to the pre bid reply at Sl.No.24) to UG sump and UG Sump to OHWT both are under contractors scope.</p> |

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| 54 | Technical Specification, Volume-3, Pgno-305, 8.5.5; Pgno-325, 8.5.5; Pgno-346, 8.5.5; Pgno-362, 8.5.5. | <ol style="list-style-type: none"> 1. 1 Lakh liters capacity RCC water storage tank (Service Tank) is mentioned for FT1A & FT1B. 2. 1 Lakh liters capacity RCC water storage tank (Service Tank) is mentioned for ST2A & ST2B. 3. 1 Lakh liters capacity RCC water storage tank (Service Tank) is mentioned for ST1A. 4. 1 Lakh liters capacity RCC water storage tank (Service Tank) is mentioned for 3nos -Hostel Block. | <p>"As per Tender Conditions, OHWT is considered for the Cluster for 1 Lakh Ltr. Capacity. Please clarify that one Lakh Ltr Capacity OWHT is required for individual Blocks (or) One Lakh Ltr Capacity of OHWT required for all the Three Buildings". Please clarify.</p> | <p>For Faculty and staff housing, each tower terrace shall be provided with 1 lakh litre capacity OHWT.</p> <p>In 3Nos Hostel Blocks, each individual hostel block terrace shall be provided with 1 Lakh litre capacity OHWT.</p> |
| 55 | <p>Technical Specification, Volume-3, Pgno-305, 8.5.5; Pgno-325, 8.5.5; Pgno-346, 8.5.5; Pgno-362, 8.5.5.</p> <p>&</p> <p>Volume-4, Pgno-686</p> <p>&</p> <p>Volume-3, Pgno-462, Water Supply Work, (i), (ii), (b)</p> | <p>1 Lakh liters capacity RCC water storage tank (Service Tank) with suitable waterproofing treatment with a float valve, scour valve, CI cover with locking arrangement, etc., complete. In addition to this, the RCC water storage tank (firefighting) of suitable capacity shall be provided exclusively for firefighting.</p> <p>&</p> <p>Supply, Installation, Testing, and commissioning of water supply pumping system consisting of domestic water supply pump sets and flushing water supply pump sets.</p> <p>&</p> <p>Domestic water supply + Flushing water supply are mentioned</p> <p>&</p> <p>Pumping supply from Domestic/ Flushing / RO / Soft water / Irrigation water / Underground tank to all fixtures/appliances.</p> | <p>It is noted that separate OHT for Flushing is not mentioned but water supply pumping for flushing is mentioned in the technical specification. Clarification is required to consider a separate OH tank for flushing.</p> | <p>The water tanks shall have separate compartments for Fire, Domestic and flush water requirements.</p> |

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| 56 | Technical Specification, Volume-3 , Pgno-305, 8.5.6; Pgno-325, 8.5.6; Pgno-346, 8.5.6; Pg-362 , 8.5.6. | <ol style="list-style-type: none"> 1 Lakh liters capacity RCC UG water tank is mentioned for FT1A & FT1B. 1 Lakh liters capacity RCC UG water tank is mentioned for ST2A & ST2B. 1 Lakh liters capacity RCC UG water tank is mentioned for ST1A. 1 Lakh liters capacity RCC UG water tank is mentioned for 3nos Hostel Block. | As per Technical Specifications, a 1 Lakh Ltr Capacity UG tank is considered for every cluster. Please clarify all Buildings in this Cluster have only one UG Tank of 1 Lakh Ltr Capacity (or) we have to consider 1 Lakh Ltr Capacity for all Individual Buildings. Please clarify. | All individual Faculty and Staff Housing towers and 3nos Hostel Blocks shall be provided with each 1 lakh litre UG sump with separate compartments for flush and domestic water. |
| 57 | Technical Specification, Volume-3 , Pgno-462, Water Supply Work, (ii), (a) | Complete WTP system piping mentioned | Clarification is required to consider WTP and its capacity of WTP. | Water Treatment Plant (WTP) is not in the scope of this work. |
| 58 | Technical Specification, Volume-3 , Pgno-306, 8.5.8; Pgno-326, 8.5.8; Pgno-346, 8.5.8; Pg-362 , 8.5.8. & Volume-4 , Pgno-685. | It is mentioned that the system should be conducive to Hydro Pneumatic system to be provided for all buildings. & In the Water pumping system specification, It is mentioned that Domestic water supply pump sets and flushing water supply pumps are of open well submersible type (centrifugal) of pump sets. | Clarification is required to consider which type of water supply pumps. | The proposed system is not Hydro Pneumatic system The pumps are open well submersible type and for scope of work and detailed specifications page no. 685 of Volume-4/ Technical specifications for E&M works shall be followed |
| 59 | Special Conditions of Contract, Technical Specification. | Rainwater harvesting is not mentioned | We presume that rain water harvesting is not in Contractor's scope. | Not in the scope |
| 60 | Technical Specification, Volume-3, Pgno-303, 7.13; Pgno-305, 8.3; Pgno-305, 8.5.1 & 8.5.2. | Internal Water Supply: CPVC pipes are mentioned & PP-R pipes are also mentioned | We presume that cPVC pipes are to be considered. | All internal water supply pipes shall be of CPVC. |
| 61 | Technical Specification, Volume-3, Pgno-305, 8.5.1; Pgno-306, 8.5.8; | External Water Supply: CPVC pipes and HDPE pipes are mentioned & DI pipes and HDPE pipes are also mentioned | We presume that cPVC pipes are to be considered. | External Water Supply: Housing: from tap off point to UG sump shall be HDPE pipes Hostel Blocks: from tap off points to UG sump shall be DI pipes. In both housing and hostel UG sump to OHWT and OHWT to individual flats/floors, plumbing lines shall be of CPVC pipes. |

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| 62 | Technical Specification, Volume-4, Pgno-666, & Pgno-669 | It is mentioned that the system shall be designed in accordance with NBC-2016 & state fire act & rule. & The tabular for firefighting equipment's scheme is mentioned. | We presume that Firefighting works are to carry out as per NBC 2016 norms and local fire department regulations. | Tender conditions shall prevail |
| 63 | Vol – I, Cl. 26 / Pg. No. 48 | Applicable Permits - | We presume that, all the permits mandated by the local bodies as listed in tender document & ECS etc, sole responsibility of the Client directly. | Obtaining the statutory approvals from Statutory authorities and local bodies as mentioned in the tender document shall be under the scope of the contractor. The mandatory fee for obtaining the approvals from the respective bodies shall be reimbursed to the contractor on submission of original fee receipts. |
| 64 | Vol – I, Cl. 13 / Pg. No. 42 | Completion certificates / NOC From Local Statutory bodies | We presume that, all the required work completion certificates or NOCs if required to be obtained, from the local statutory bodies of central and state govt. such as electrical, safety, Fire authority, Chief Controller of Explosives (CCOE), CEA etc and Any fees required for obtaining such NOCs shall be paid by Client directly. | It is the responsibility of the contractor to obtain the required work completion certificates, NOCs, Occupancy Certificates from the local statutory bodies of central and state govt., clearances/approvals from authorities such as electrical, safety, Fire authority, Chief Controller of Explosives (CCOE), CEA etc., . The contractor shall bear all expenses including the mandatory fees for obtaining these permissions, approvals and certificates. |
| 65 | Vol – I, Cl. Sch E/ Pg. No. 12 & 13 | Estimated cost of Work | As per tender Estimated cost is given Rs. 261.85 Crs & It's based on Plinth Area Rates 2022 at that time GST is @ 12% but as per the latest G.O. No. FD447 Expenditure 12/2022 dated 30 th July, 2022, applicable GST rate for this contract is @18% so that we will request you to revise estimated cost of work & kindly send revise estimated cost addendum.? | The Estimated cost as notified is inclusive of all applicable taxes as on date. |

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| 66 | Vol – I, Cl. 05/ Pg. No. 14 | Reckoning Date of start of work | We presume that start date of Project will be reckoned from the date of receipt of all statutory clearances / approvals. | Please refer pre-bid reply at Sl. No.16 |
| 67 | Vol – 5, Conceptual Drawings Pg. No. 788 to 793 | Conceptual Drawings | Kindly Provide all Conceptual Drawings in soft copy of Auto- CAD Format.? | Please refer pre-bid reply at Sl. No.21 |
| 68 | Vol – I, Cl. 2.15b / Pg. No. 76 | Eligibility Criteria for Civil Work – Water proofing treatment works | One similar work each costing not less than Rs. 7.20 Crores of the estimate cost?? Kindly Change the same eligibility criteria? | Tender condition shall prevail. |
| 69 | | Space in IITH Site Campus | Kindly Provide the space for labour camp, batching plant, Factory setup & temporary structures, free of cost in the same site campus area or nearby site camp. | Institute shall provide minimum space required for installation of Batching plant of 18Cum per hour capacity and setting-up of site office of the successful bidder free of cost. The contractor shall build required temporary roads from this space to the work sites at his own cost. The labour camp, factory setup etc., shall not be allowed within the Institute's campus. |

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| 70 | Volume-1, Pg66. Conditions for Specialized E&M Original Works and other original E&M Works and in Pg68, Sr. (ii) | <p>(c) OEM provides all the spares required for healthy functioning of the equipment for at least five (5) years from the date of supply of equipment as per the terms and conditions of maintenance contract.</p> <p>All E&M services such as Internal Electrical installations, Lifts, UPS, Fire-fighting system, sprinkler system & Addressable fire alarm system, D.G. sets, substation MV panels, street lighting, Solar Hot water system etc. shall be declared as completed after completion of trial run of 1 month or completion of whole work whichever is later. However, maintenance of these installations during the maintenance period of 36 months shall be carried out by the agency at his own cost.</p> | We request you to please clarify whether maintenance period is 3 years or 5 years and also confirm the scope of contractors in maintenance period | <p>(i) The maintenance (both preventive and repair) including all required spares parts shall be carried out by the contractor during the Defect Liability Period of 03 years. Such maintenance shall be carried out as per the maintenance manual / guidelines of the OEM.</p> <p>(ii) The OEM shall ensure availability all the spares required for healthy functioning of the equipment for additional 02 years from the DLP to IITH on payment basis as per the terms and conditions of the separate maintenance contract (if any) signed by IITH directly.</p> |
| 71 | Volume-1, Pg90, Eligibility Criteria for associate specialized Agencies for E & M services components. | SITC of Radiant Cooling system with High Side HV AC Works including chillers, Cooling Towers and Pumps etc. | We presume that any type of HVAC works including chillers, Cooling Towers and Pumps etc. executed shall be eligible for executing works. Please clarify. | <p>The eligibility for this item is split into two parts i.e., (a) for high side works and (b) for low side (building level) works.</p> <p>Eligibility for (a): similar work shall mean SITC of HVAC works including chillers, cooling towers, pumps, AHUs, laying chilled water pipelines etc., for a capacity of 275 TR under a single agreement.</p> <p>Eligibility for (b): Similar work shall mean SITC radiant cooling system with all required paraphernalia for an area of 9000 sqm under a single agreement.</p> |
| 72 | Volume-1, Pg104, Clause 5.22 | Out of total stipulated period, the time limit for Planning & Designing shall be maximum 30 days hostel blocks and 45 days for Faculty and Staff Housing Towers . The remaining period shall be for completion of entire work of respective structures fit for habitation as given in the table of milestones for sectional completion. | Considering volume and number of services involved in project we need at least 90 days for Planning & Designing of hostel, faculty and staff housing towers. Please confirm. | Tender conditions shall prevail and please refer Corrigendum-1 for Faculty Housing |




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| 73 | Vol IV - Page n 8 – Scope of Work | Complete Wiring in all building for light, Power .communication etc. shall be done in appropriate size of PVC Conduit | We request you to please confirm type of PVC Conduit i.e. MMS of HMS conduit to be used. | MMS PVC conduit shall be used only for light, power, communication wiring |
| 74 | Volume-4, Pg11 &12, Clause 3 & 12. Page-13 sr. No 9. | Bracket light , Decorative light and pending light | We request you to please provide us details of light fixtures to be considered. | Details, specifications, terms & conditions provided in the tender document shall be followed |
| 75 | Volume-4, Pg16, Clause (xxvii) | Lighting automation to be provided by connecting suitable dual mode (sensor should sense movement and occupancy both) occupancy sensor to lighting circuit for entire building excluding complete fire staircase lighting, 20% of corridor lighting on each floor and common area. There shall be arrangement of bypass switch so that in case of failure of sensor, the light can be operated after bypassing the sensor. | We request you to please confirm whether lighting automation shall be provided inside each rooms of hostel building or else for common areas of building. | No lighting automation inside hostel rooms shall be considered |
| 76 | Volume-4, Pg16, Clause (xlii) | All L T and HT cables laid outside the building portion in open area shall be laid in RCC HUME pipes or in ground with sand cushioning and with brick protection with route marker or in RCC trench or in cable tray as per CPWD Specification and direction of Engineer-in-Charge. T | We request you to please consider DWC pipes instead of RCC hume pipes which will be cost effective and installation can be done faster as compared to RCC hume pipes. | Not agreed. |
| 77 | Volume-4, Pg23, Street light | Supply Installation , Testirg & Commissioning of IP66 LED street light fitting having system lumen output not less than 12000, efficacy not less than 110 lumens per watt and life expectancy of 50000 burning hours@ L70, Power Factor > 0.90 & THO <20%, CRI better than 70,neutral white light and made of pressure die cast /extruded Aluminium housing with separate optics and control gear compartment, toughened glass protector, permanently sealed and a removable control gear plate, | We request you to please confirm whether street light fixtures shall be made of pressure die cast or else extruded Aluminum housing since cost and specification of both will vary with each other. | Pressure die cast housing shall considered. |

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| 78 | Volume-4, Pg60 & 61, Sr. No-13 & 19 | 13. Isolator and RCCB of 30 ma sensitivity of suitable rating shall be provided as Incomer of each Distribution boards. 19. Size of distribution board shall be as per number of light I power circuits. All distribution boards shall be double door type RCBO of suitable rating shall be provided as main incomer in all DBs. | We request you to please confirm whether RCCB or RCBO shall be provided in each DB's incomer. | RCBO shall be considered in incomer of each DB |
| 79 | Volume-4, Pg41 | Flame Proof DB | We presume that Flame Proof DBs are not required for this project. Please confirm. | Flame Proof DBs need not to be considered. |
| 80 | Volume-4, Pg42, 3.0 RISING MAIN & BUS BAR TRUNKING | Upward transmission of power inside the buildings shall be done with factory made air insulated compact type rising mains with copper bus bar with all accessories i.e; adapter box, cable end box, tap-off box with MCCB. Rating of rising mains shall be decided as per connected load of the building a-d future expansion and as approved by Engineer- in - Charge. Rating of rising mains in various building shall be minimum of 100 amps, 200 amps (Sc rating for 1 sec. - 15KA), 315 amps (Sc rating for 1 sec.- 20KA) , 400 amps (Sc rating for 1 sec.- 25KA),630 amps (Sc rating for 1 sec. - 45KA), 800 amps (Sc rating for 1sec. - 50KA) as per design/connected load and future expansion. | Short circuit ratings of rising mains will be as per OEM standards and IEC 61439 and ratings mentioned are not suitable for all manufacturers. Please clarify. | The contractor shall arrive at the required ratings after detailed engineering in accordance with the CPWD General specifications for Electrical works Part I Internal 2013 as specified in Volume 4/Technical specs for E & M works of Tender document |
| 81 | Volume-4 Technical Specifications for Electrical & Mechanical (E& M) Works Page No 583-584 Under other General Specifications to be complied by the contractor. 3.0 Rising mains & Bus bar trunking | Rating of rising mains shall be decided as per connected load of the buildings and future expansion and as per approved by Engineer-in-Change. | We request you to please confirm how much future load is to be considered for designing the ratings of rising mains (Like% of connected load). | Minimum 25% future expansion on connected load shall be considered |
| 82 | Volume-4, Pg68, Sr. No.3. Student Hostel Buildings: | A) Main Power Distribution from Substation (SV-18): i) The Power supply to Students Hostel blocks will be given from the existing emergency power supply and normal power supply panels at SV-18 substation by augmentation of these existing panels. | We request you to please share Single line diagram of existing Electrical distribution system and also proposed for detailed estimate. | Only Route plans are provided. In addition to that Bidders are encouraged to visit the site physically however any details apart from tender details shall be shared with the successful bidder only. |

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| 83 | Volume-4, Pg76, 3.6.2 Exhaust Piping | Silencer outlets shall be connected to exhaust piping carried to the top of the building through shafts provided for the purpose. Exhaust piping shall be fabricated as per IS from MS pipes of size suitable to limit back pressure to within permissible limit. Contractor shall submit design calculation in support of the back pressure being within limits along with the tender. | We request you to please accept that design calculation shall be submitted after awarding tender. | Accepted |
| 84 | Volume-4, Pg81, 7. TOOLS | Tenderer shall submit a list of the tools along with the tender. The tools will be required and procured after two years of DLP | We request you to please accept that list of tools shall be submitted after awarding tender. | Accepted |
| 85 | Volume-4, Pg74, DG SETS 1.0 GENERAL | The localized DG Power back up is required for 01 Nos. LIFT each in Staff Towers Bldg. as well as Faculty Towers Bldg. only. | We presume DG back up is not required for Hostel buildings. Please confirm since it is not mentioned in the tender document. | No separate DG set for Hostel buildings to be considered; however the DG backup from the existing centralized DG system shall be provided to all Hostel bldgs. |
| 86 | Volume-4, Pg152, SCOPE OF WORK | <ul style="list-style-type: none"> • Devices and services that shall run on the passive network shall include, but not limited to, the following: <ul style="list-style-type: none"> a) Wired LAN access b) Wireless LAN access c) Voice communications servers and IP/SIP end-points d) IP-based CCTV/Surveillance Cameras e) Various devices and controllers for AV system f) Fire Detection System g) Public Address System | We request you to please provide us details of wired and wireless LAN access points, CCTV quantities and AV system details for preparing detailed estimate. | For CCTVs and AV system, only conduits and cabling works need to be considered however for rest of the services, please follow the scope of work and specifications provided in the tender documents. |
| 87 | Volume-4, Pg10, | 7. There shall be separate shafts in the building each for Electrical works (LT cables), ELV works (CCTV, LAN, TV, Telephone, Fire alarm, PA etc) and Firefighting works etc. | We presume that providing CCTVs system is not in contractor's scope since it is not mentioned in the tender document. | For CCTVs and AV system, only conduits and cabling works need to be considered |
| 88 | Vol IV - Page n 12 - Note Vii | Lux Levels shall be as per NBC 2016 | In NBC 2016 Lux level of Bathroom and toilet areas of residential project is not mentioned. We request you to please confirm the required Lux levels for the same. | During design stage, the contractor shall propose these details for approval of the Engineer-in-Charge. |

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| 89 | Volume-4, Pg13, | Note: 1. The above socket outlets/Light points/Light fixtures are indicative only and shall be provided as per approved drawings/plan by Engineer-in-charge. If required, they shall be varied in whole buildings without any extra cost implication to IITH. | We request you to please consider that Quantities increased at actual site conditions shall be considered as an extra item which involves cost implications to contractors while execution. | Request not accepted. Tender terms and conditions shall prevail. |
| 90 | Vol IV - Page n 12 – Note Xi) | The parking areas shall be provided with EV charging points as per design approved by E in C | We presume that EV Charges are not in contractor's scope, Only provision of Charging points to be considered. Please confirm. | Please consider EV charging points for 04 wheelers as well as 02 wheelers in Faculty Housing and Staff housing only as per approved design by the Engineer-in-charge |
| 91 | Vol IV - Page n 12 – Note Xi) | The parking areas shall be provided with EV charging points as per design approved by E in C | We request you to please confirm whether 3phase or single phase charging points to be provided. | Suitable EV charging points as per the approved scheme, design and quantities by Engineer-in-charge for both 04wheelers and 02wheelers shall be provided |
| 92 | Vol IV - Page n 12 – Note ii) | In Bath room Toilets, exhaust fans of suitable size shall be BLDC type only | Exhaust fans with BLDC motor is manufactured by only Atomberg in approved makes list in the tender specification. Hence, we request you to please additional makes or else please remove this clause. | Metallic exhaust fans (AC) for Toilets shall be considered with same approved makes listed in the Volume-4 of tender document |
| 93 | Vol IV - Page no 551 & 552 – Note Xi) | The minimum lux level recommended for diffract typical areas in Building 7) Hostel, Residential block room (Except living room) | We request you to please confirm Lux level required for Living Room in Residential Block. | The lux levels shall be as per NBC 2016 only and as approved by the Engineer-in-charge |
| 94 | Vol IV - Page no- 22 – Street/ Compound lighting | 1) 9 Mtr Long Surface mounting type Hot dip Galvanized octagonal Pole 2) Pole shall be continuously tapered (bolt fixing type) Tubular pole | We request you to please confirm which type of pole to be considered whether Galvanized octagonal or Tubular pole. | For Street lights Hot dip galvanized octagonal poles and for post top lights GI tubular poles shall be provided. |
| 95 | Vol IV - Page n 40 – Other General Specification complied by contractor | Distribution Boards | As per specification, we presume that MCB DBs shall be as per OEM standard. Please confirm. | Tender technical specifications shall be followed. |
| 96 | Vol IV - Page n 41 – Other General Specification complied by contractor | Rising mains & Bus duct | We request you to please confirm which type of Rising mains to be used either Air insulated or Sandwich type | Consider sandwich type Rising mains and Bus ducts only |

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| 97 | Vol IV - Page n 230 | Vol IV - Page n 230 – Approved make list | We request you to accept following additional makes 1) Control Cables KEI 2) Cable management System : Profab/Indiana/Slotco/pilco 3) Lighting protection system : Jef Techno 4) Power Cables KEI 5) Lifts : OTIS & Johnson, 6) Water cooled chiller: Kirloskar | Not Accepted |
| 98 | Vol IV - Page n 151, CONDITIONS AND SPECIFICATIONS FOR NETWORKING (LAN, WI-FI) SYSTEM GENERAL - SCOPE OF WORKS | The general character and the Scope of work to be carried out under this contract is illustrated in Drawings , Specifications and Schedule of Quantities. The Contractor shall carry out and complete the said work under this contract in every respect in conformity with the contract documents and with the direction of and to the satisfaction of the Engineer-In-Charge. The Contractor shall furnish all labour materials and devices and specified otherwise, transportation and incidental necessary for Supply, Installation, Testing, Commissioning, final testing, putting into operation and handing over of the complete Extra Low Voltage (ELV) system as described in the Specifications and as shown in the drawings . This also includes any material, devices, appliances and incidental work not specifically mentioned herein or noted on the Drawings/ Documents as being furnished or installed, but which are necessary and customary to be performed under this contract. | We request you to please share Drawings in Auto CAD format for ELV system ,Electrical , FAPA and HVAC System | The contract is of EPC Mode 1 type as defined in the G C C. The work shall be executed as per the design/drawings prepared by the contractor and as approved by Engineer-in-charge. |

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| 99 | Vol IV,Page No:558 under technical specification Sr.No. (XXXVii) | Cable size shall be decided as per the maximum load of the building and 25% future expansion and shall got approved by the engineers in Charge. | Please clarify whether the maximum load means connected load or load after diversity. If it is a load after diversity, please provide us how much diversity to be considered for lighting and power load under Residential projects. Also request you to provide tentative Load details for design point of view. | Connected load of the building shall be considered with 25% future expansion |
| 100 | Volume-4 Technical Specifications for Electrical & Mechanical (E& M) Works Page No-580 Internal Building power distribution scheme point No:18) one 20 passenger lift in each tower to be provided with Dg backup power | As per NBC 2016 Volume -2, PART 8 BUILDING SERVICES. SECTION 2 ELECTRICAL AND ALLIED INSTALLATIONS Page NO 22. 29) Power supply to emergency fire and life safety Systems. Emergency power supplying The distribution system for the critical requirement for the functioning of fire and life safety system and equipment shall be planned for efficiency and reliable power and control supply to the following systems and equipment where provided: i) Fire pumps; ii) Pressurization and smoke venting; including its ancillary systems such as dampers and actuators; iii) Fireman's lifts (including all lifts). | We request you to please clarify whether all lifts shall be considered in DG backup. | All LIFTS shall be on existing centralized DG back up available at IITH however in addition to that 01Nos. of 20 passenger LIFT each in all faculty housing towers and Staff housing towers shall be provided with localized DG back up as per the scheme and specifications provided in the Volume 4 of tender document. |
| 101 | Volume-4 , Page no-196, SCOPE OF WORK AND BASIS OF DESIGN | Minimum 6KL makeup water to be considered at high side system (in AC Plant-2) with all required tanks/equipment and accessories. Water source may be considered from tap off point shown in the AC Plant-2, as per the approved design, drawings and directions of Engineer-In-Charge. | We request you to please share Auto cadd drawings of HVAC works for calculation required pipes sizes and lengths from AC plant-2 to individual hostel buildings. | The contract is of EPC Mode 1 type as defined in the G C C. The work shall be executed as per the design/drawings prepared by the contractor and as approved by Engineer-in-charge. |




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| 102 | Volume-4 , Page no- 75, DG SETS, Sr. No-3.2, | <p>3.2 Fuel Consumption The engine shall be suitable for satisfactory operation on H.S.D. as locally available. The tenderers shall declare the guaranteed fuel consumption in liters/hr. in accordance with relevant I.S. or B.S codes. at 50%, 75% and 100% of rated load at 0.8 pf. Fuel consumption shall be low so as to deliver minimum 4 units per liter at 75% load.</p> | We request you to please confirm whether HSD tank available at the site premises. If it is available, whether fuel piping from HSD tank to be connected to individual DG sets in contractor's scope. Please clarify. | Only Day tank shall be provided, No HSD tank to be considered |
| 103 | Volume-4 , Page no- 16 & 47, Cable trays and Raceways | <p>(xxxii) All Cables in Parking area, Electrical Room, Panel room, LV rooms, Shafts shall be laid on cable trays and approx. 25% capacity of all such cable trays shall remain unused as future provision. Minimum width of cable tray shall not be less than 150 mm.</p> <p>The permissible uniformly distributed load for various type of cables trays and for different supported span shall be as per SIS. The width of the cables tray shall be chosen so as to accommodate all the cables in one tier, plus 30 to 50% additional width for future expansion. This additional width shall be minimum 100mm. The overall width of one cable tray shall be limited to 1000mm.</p> | We request you to please clarify the design parameters to be considered while calculating cable trays with additional space provision of 25% or 30 to 50%. | The 25% additional space in all cable trays for future provisions shall be considered |
| 104 | Volume-4 , Page no- 213, Design Parameters: FOR CENTRAL PLANT: FOR RADIANT COOLING SCOPE OF WORK AND BASIS OF DESIGN | The minimum 01 Nos.275 TR working chiller to be provided with all associated equipment (i.e., Auto Tube cleaning system, chilled water pumps, condenser pumps, cooling towers etc.). The quantity of the chillers may vary based on the final approved design report and detail Engineering drawings , to be submitted by contractor to the Engineer-In-charge for approval. For any additional/standby chiller if required as per the final approved design, the quantity deviation may be executed with the approval of Competent Authority. | We presume that additional chiller if required other than 275TR chiller after detailed engineering will be treated as additional item and will be paid additional. Please confirm. | The additional/standby chiller if required and approved by IITH other than minimum specified 01 Nos.275 TR chiller will be paid additionally. In case if the standby chiller is of 275 TR capacity, the same quoted rates shall be payable. |


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| 105 | Volume-4 Technical Specifications for Electrical & Mechanical (E& M) Works Page No-772-777.LIST of approved makes of Materials for Electrical and Mechanical. | Battery Charger: Max, Power, Caldyne, Volstad, HBL | We request you to please consider Universal and chhabi also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| 106 | Vol.3 – Tech Specifications Civil work, Page No. 507 | List of Approved make | We request you to add flowing agencies/vendors in list of approved make | |
| | | Cable Trays: OBO, Indiana, Legrand, Profab Engineers | We request you to please consider Pamy systems and pushluck also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Control Cables: Finolex, RR Kabel, Havells, polycab, Lapp India | We request you to please consider KEI also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Light Fixtures (Internal):Philips, Wipro, Osram, Havells | We request you to please consider Bajaj and Jaquar also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Lightning protection System: Dhen, OBO, ABB, L&T | We request you to please consider JEF Marketing also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Ready-made pole: Bajaj, Philips, Schneider, Crompton | We request you to please consider Valmont and Hakke industries also in approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Power cables 1100V grade: Universal, Finolex, Polycab, Havells, Gloster | We request you to please consider KEI also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | UPS:Vertiv, Schneider, Numeric, Socomec. Eaton,GE | We request you to please consider Faji Electric also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Hybrid Capacitor panel: P2 power Solutions ,Schneider ,EPCOS | We request you to please consider Power matrix also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | 2X 1.5 Sq mm FRLS Flexible wire | We request you to please consider Versha cables also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | E/UTP CAT6A cabling system cables,IO, Patch Panels, and other components. | We request you to please consider D-Link, Legrand also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Communication cables/Signal cables | We request you to please consider D-Link, and Legrand also in the approved Meke list. | Approved make list specified in Volume 4 prevails |



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| | | UTP CAT6 cables | We request you to please consider D-Link, Legrand also in the approved Make list. | Approved make list specified in Volume 4 prevails  |
| | | Networking Switches for IBMS systems | We request you to please consider D-Link, Legrand also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | Networking Racks data centre racks ,Distribution racks | We request you to please consider Legrand Iso in the approved Make list. | Approved make list specified in Volume 4 prevails |
| | | MS sheets | We request you to please consider Jindal Star also in the approved Make list. | Approved make list specified in Volume 4 prevails |
| 107 | Volume-4, Page No 718 Solar Hot water Generation system: Under Technical specifications standard | Solar Flat plate Collectors asked as per ISI 12933. | Specifications are presently not available in the Market. Please clarify. | Technical specifications provided in Volume 4 prevails |
| 108 | Volume-4, Page No 720 & 724 Solar Hot water Generation system: Under Storage tank, Source side Heat Exchanger | The coil type should be Copper and in the Hot water Storage tank, it says SS304 Heat exchanger. | Kindly clarify. | Technical specifications provided in Volume 4 shall prevail. |
| 109 | Volume-4, Page No 720 Solar Hot water Generation system, Under Storage tank | Tender Specification says the Thickness of the tank is 1.2 mm thick and also says Tank shall be suitable for a minimum of 6kg/cm2 Working pressure. | Which is not possible for such low thicknesses. Let the OEM decide the thickness of the tank and ensure it works for 6kg/cm2 pressure accordingly we can decide the thickness for the Clarifier tank as well as the Heat Pump tank. Please Clarify. | Working pressure of minimum 6Kg/sq.mm shall be considered and the tank thickness shall be designed accordingly. |
| 110 | Additional Points / 2nd Pre-bid meeting | - | Considering the voluminous work involved in the tender, we are studying tender document, specifications & drawings, we request you to kindly allow us to send additional query, if any after 22.09.2022. | Not agreed. |


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| 111 | Submission date: NIT, Vol-I/ Pg. 1 & 29/ Cl. 1.9 | 06/10/2022 @ 15.00Hrs. | Considering the voluminous works such as detailed investigation and surveys, preparation of design & drawings, working out the quantities, rate analysis, getting quotations from various specialized agencies like MEP works, we request you to extend the date of submission up to 2:st Oct 2022 , which will help us to submit most competitive tender. This will be in the best interest of the project and the client. |  Please Refer Corrigendum-1 |
| 112 | | Criteria of eligibility for submission of tender documents apart from basic eligibility Similar work shall mean "Construction of PRECAST RCC structures designed as either beam-column system or wall panel-slab system and in which at least completion of one building of eight storeyed including finishing's, internal & external public health Engineering systems all completed executed under one agreement in India". (Godowns/ Ware houses/ factory Sheds shall not be considered as eligible similar works). | Kindly approve the Construction of RCC framed Structure which at least completion of one building of eight storeyed including finishing's, internal & external public health Engineering systems all completed executed under one agreement in India as a similar work | Not Acceptable. Tender conditions shall prevail. |
| 113 | Volume - 1 : NIT & SCC : Pg.No.7 & Sl.no. 13 & Volume - 2(b) : Payment Schedule Pg.No.139 & Point No. 3b & 3c | In the payment schedule, Area for Lift and Internal shafts shall be considered for one floor only if roof is closed. But as per the IS3861:2002 clause 4 at Page No.2 the area for lift pits and shafts shall be considered fully in the Plinth area calculation. | | Plinth area calculations shall be as per IS:3861. Tender conditions shall prevail. |
| 114 | Volume - 1 : NIT & SCC: Pg.No.73 & Sl.no. 2.4 & Volume - 6 : GCC of EPC: Pg.No.857 Clause 1 | As per OM of Department of Expenditure under Ministry of Finance No.F.9/4/2020-PPD dated 30th December 2021, the contractor shall furnish the performance Guarantee of 3% of contract value till 31.03.2023. Whereas in NIT it is specified as 5% | | Yes. Performance Guarantee shall be considered as 3% |
| 115 | Volume Section 3 GRIHA Pg.No.69 | 1 GRIHA IV is specified in Pg 69 of Volume I, whereas GRIHA III is specified in Pg 80 (Scope of Services Point No. (iii)) & 87 Point No.5.2. | | Please refer pre-bid reply at Sl. No.37 |
| 116 | Volume - 1 : Pg.No.89 : 5.7 (2)(ii) | Local Body approval includes EA Clearance, Forest NOC, etc., Whether they are required for the project since the project is being executing in phases. | | Environment Impact Assessment (EIA) clearance is not required. |


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| 117 | Volume - 3 : Pg.No.306 Technical specifications 8.5.8 | Hydro Pneumatic Water supply is given in Pg.306 also overhead water tanks is given for Fire and Domestic Services. In case of Hydro Pneumatic system OHT is not required. | | For water supply system please refer for pre-bid reply at Sl. No.32; hence OHWT are required. |
| 118 | Drawings | Kindly share the Auto CAD drawings, the given layout and drawings are not clearly visible | | Please refer pre-bid reply at Sl. No.21 |
| 119 | JV : Bid Document | JV is not acceptable | Request you to allow Joint Venture Clause | Not allowed. Tender conditions shall prevail. |
| 120 | Volume-5 concept drawings | Only Concept drawings with architectural drawings are provided. | Kindly provide the balance drawings in AutoCAD format | Please refer to pre-bid reply at Sl. No.21 |
| 121 | Drawings | Staff Housing & Faculty Housing Towers Drawings | a. Fire Tower Is not proposed in the Faculty Housing Towers, Will you be Revising the Concept drawings as per Basic NBC requirements (Applicable for all the Towers/Bldgs.) b. Lift Capacity are not mentioned, please provide if any requirement c. Is the Total Number of Lifts mandatory or Bidder can revise the number of lifts. | a) The drawings are indicative only. The Contractor shall ensure Planning and Construction of the buildings to fulfil all Statutory and Codal requirements within the specified plinth areas. b. Please follow the LIFT capacities specified in Volume 4/Technical specifications for E & M works/Scope of work and specifications for LIFTS/Page no.630 . c. Please follow the quantities as specified in Volume 4 only. |
| 122 | | Scope | Detail Furniture Scope to be Clarified like Loose Furniture, Beds etc., | Loose furniture like Beds, tables etc. are not in the scope. Fixed Cupboards in hostel Blocks is in the scope as per the technical specs provided. Fixed Metal modular wardrobes, kitchen units etc. in housing shall be as per the technical specs provided. |
| 123 | | Parking spaces | Please provide the Parking Spaces proposed in the Concept design. | All housing towers stilt floor shall be designed for car parking. |

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| 124 | | Parking spaces | Please provide the minimum Set back requirements of each building as per existing adjoining building & height of each building to check the Setback requirements of proposed buildings. | Building locations demarcated and shown in the quads of Master plan, which are as enclosed for the pre-bid reply at Sl. no.27 |
| 125 | | Drawings | Please provide the Location of Tap of points / Common Services which are to be considered for proposed building/ Battery limits between the Existing & Proposed Scope. (Provided PDF File is not Clear) | Please refer to pre-bid reply at Sl. No.21 |
| 126 | | Drawings | Please provide Existing Site master plan in Auto Cad Format with all Existing underground services along with any Future proposed services / development surrounding the proposed Bldgs. | Please refer to pre-bid reply at Sl. No.26 |
| 127 | | Drawings | Please provide us with the AutoCAD drawings for reference and working purpose. | Master plan in AutoCAD format shall be provided to the successful bidder. |
| 128 | | Drawings | Do we need to plan for any MEP Services related to Ancillary services/Utility/Room services / Blocks/ Buildings in our scope or not. | YES, Please follow the scope of work specified in the tender documents |
| 129 | | Drawings | Please provide Façade Concepts & Building sections. Hope there is no specific requirements of Floor-to-Floor heights. | There are no external façade systems in present scope of work except external granite wet cladding for housing up to 4.00mts height at ground floor all sides of all columns and external walls. Regarding floor to floor heights please refer pre-bid reply as above at Sl. No.48 |

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| 130 | | Drawings | Please provide external finishes to match with the existing concept of master planning, also please provide the battery limit (in drawing format) for external works. | External finishes to match with existing concepts of master planning in line with technical specs as provided in tender document shall be under the scope of contractor. The external development works of all the proposed buildings shall be within the plot as shown in enclosed drawing vide pre-bid reply at sl.no.27. |
| 131 | | General | Please clarify EIA is available for the Proposed project. | Please refer to pre bid reply at sl no. 116 above. |
| 132 | Radiant Cooling Works | External Chilled Water Piping connection from AC Plant - 02 to the Respective Hostel Building | Please confirm the scope/battery limit | All Chilled water piping required at AC Plant-2, Hostel Bldgs. and from AC Plant-2 to Hostel Bldgs. shall be considered in the scope of work as specified in Volume 4/Technical specifications for E & M works |
| 133 | Radiant Cooling Works | Scope of Chiller Plant Room | Please confirm whether we need to consider the complete scope of Chiller plant SITC works or the existing plant is designed to connect the load of the upcoming hostel building | The contractor need to consider complete SITC works for Chiller plant as per the scope of work and specifications given in Volume 4/Technical specifications for E & M works or elsewhere in the Tender documents. Space only will be made available for these works in the existing AC Plant-2 building. The chillers , pumps etc. will be placed inside the existing AC Plant-2 bldg. Cooling Tower shall be placed outside AC Plant 2 bldg. |
| 134 | Radiant Cooling Works | Power Input to the Chiller plant panels | Pls confirm the source of Power Supply/battery limit for chiller and pumps panel incoming | The incoming power supply to HVAC plant panels shall be tapped OFF from the SV-18 substation AC Plant side Main LT panels |

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| 135 | Radiant Cooling Works | Source of make-up water | Kindly confirm on the battery limit | Tap off point for make up water is available in AC Plant-2 plot. The rest of the works for providing 6KL make up water need to be considered in the scope of work as specified in Volume 4/Technical specifications for E & M works |
| 136 | Radiant Cooling Works | Manifolds and Pex Pipes | Pls confirm whether PEX Pipes need to be concealed in the Precast. | The PEX pipes need to be concealed. Floor Pipes shall be concealed in the Floor screed and wall pipes shall be within the preformed panels covered with cement fibre board of 8mm thickness |
| 137 | Source of water supply for Fire Water Tanks | Fire Fighting | Kindly confirm the battery limit of Water Supply Connection for UG Fire Tanks | Water supply connection shall be drawn from the Tap OFF point shown in the external services drawing |
| 138 | Water Supply - Source and Building Connection | PHE Internal Water Supply | Pls confirm the source of Power Supply/battery limit for Building water supply | Tap off points for external services drawing enclosed herewith. Please refer to the pre-bid reply as above at sl.no. 21. |
| 139 | Sewage Line - Connectivity from Buildings to STP | PHE Internal Drainage | Pls Confirm the External Sewage Line Connection from the respective buildings to the STP | |
| 140 | Storm Water Lines - External Connectivity | PHE Internal Drainage | Pls Confirm the External Storm water line connection from building rain water pipes. | Storm water drains of the proposed each building quad shall be under the scope of contractor. The building rain water pipes shall be connected to storm water drains and the storm water drains, in turn, shall be connected to the existing swales. |
| 141 | OFC Cable - Internet | OFC Cabling to the Building | Pls confirm the Scope of OFC Cable connectivity to the respective buildings | OFC Cable connectivity for the respective buildings shall be extended from the nearest buildings as shown in the drawings enclosed herewith |

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| 142 | DG | Backup Power | Pls confirm DG SITC Scope clarity | Volume 4/Technical specifications for E & M works shall be referred |
| 143 | Electrical High Side | Source of Power and Distribution | Pls confirm electrical high side scope clarity | Volume 4/Technical specifications for E & M works shall be referred |
| 144 | GCC_General guidelines Cl. Tender, Pg.no-839 & SCC, Pg. No-97, Cl. No-5.38 | The Validity of the tenders shall be 90days and shall be reckoned from the date of opening of the technical bid. | We request that the validity of Bid shall be 90 days from the date of submission of bid due to volatile market condition. | Tender conditions shall prevail. |
| 145 | GCC, Pg.no-948, Form of BG for EMD | Date to be worked out on the basis of validity period of 90 days where financial bids are invited and 180 days from two/three bid systems from the date of submission of tender | | Tender conditions shall prevail. |
| 146 | Schedule-E, Pg. No-12 | Security Deposit: 2.5% of bid amount + 50% of the PG amount shall be retained as security deposit for the defects liability period (DLP) | We request that Security deposit should be acceptable in the form of Bank Guarantee. | BG shall be accepted as per Clause 1A of General Conditions of Contract at page no.858. |
| 147 | GCC, Pg. No-859, Cl. No-2 | Compensation for delay of work: With maximum rate @1% (one percent) per month of delay to be computed on per day basis, based on the quantum of damage suffered due to stated delay on the part of contractor. The total amount of compensation for delay to be paid under this conditions shall not exceed 10% of the accepted tender value | We request the following - Liquidated Damages shall be recovered from us for non completion of overall works within the stipulated/ extended time for reasons solely attributable up to maximum of 5% of the Contract Value. Please confirm. | Tender conditions shall prevail. |
| 148 | Schedule-F, Pg. No-13, Cl. No-iv | Percentage on cost of materials and labour cover all to overheads and profits - 15% | We shall be paid 20% towards overheads and profits for over and above the actual cost of material, labour, plant / tools, sub-contractor rate, water, power and Statutory Taxes & Cess as applicable, along with our R.A. Bills. Please confirm. | Tender conditions shall prevail. |
| 149 | Tables of Mile stones, Pg. No-15,16, 17,18 & 19 | Amount to be withheld in case of non achievement of intermediate milestones respectively S.no-1_0.25%, S.no-2_1.5%, S.no-3_1%, S.no-4_1% S.no-5_0.75% & S.no-6_0.5% of total contract amount | We request that withholding of amount for non-achievement of intermediate milestones shall not be applicable. | Tender conditions shall prevail. |


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| 150 | SCC, Pg. No-20, Clause-10 B (i) | Mobilization Advance: 10% of the tendered value shall be given as mobilization advance in 2 or more instalments within 6 months of the order to commence the work | We request you to pay 15% of the total contract value as mobilisation advance within one week of submission of Bank Guarantee (Scheduled bank) valid up to the contract period. | Tender conditions shall prevail. |
| 151 | GCC, Clause 10B (iii), Pg-869 | Before any instalment of advance is released, the contractor shall execute a BG bonds not more than 6 in number and amount equal to 110% of the amount of advance and valid till recovery of advance | | Query not submitted. Tender conditions shall prevails. |
| 152 | SCC, Pg. No-23, Clause-17 | Defects Liability period- 3 years after declaring the sectional completion of the respective buildings | We request that DLP shall be 12 months from the date of completion of the respective buildings | Tender conditions shall prevail. |
| 153 | SCC Page no.-74 Clause no.-2.1 (a)- i | Eligibility criteria for work experience: Similar work shall mean "Construction of PRECAST RCC structures designed as either beam-column system or wall panel-slab system and in which at least completion of one building of eight storeyed including finishings, internal & external public health Engineering systems all completed executed under one agreement in India". (Godowns/ Ware houses/ factory Sheds shall not be considered as eligible similar works). | We proposed in context of similar work shall mean Construction of PRECAST RCC structures designed as either beam-column system or wall panel-slab system and in which at least completion of one building of eight storeyed under one agreement in India. Experience in finishing's, internal & external public health Engineering systems can be substantiated through a different agreement. Please confirm | Tender conditions shall prevail. |
| 154 | | Logistics | We request that Precast Material Storage Yard shall be provided adjacent to each building. Please Confirm. | Stacking of precast elements may be allowed within the limits of proposed construction towers quad. Accordingly, contractor shall plan the quantum of precast elements stock nearby and its erection logistics. |


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| 155 | | Further Queries | We request that we shall be allowed to submit further queries till seven (07) days prior to date of Tender submission. Please confirm. | Not allowed. |
| 156 | NIT, Cl. No-1.9, Pg. No-1 | Last date for submission of Bids - 06/10/2022, 15:00 hrs | We request you to extend the submission date till 06.11.2022 for us to submit our proposal as this is an EPC Tender which requires considerable time for design and estimation. | Not allowed.  Please Refer Corrigendum-1 |
| 157 | | | We request you to furnish the contour plan of proposed sites for all 3 Blocks | Please refer to pre-bid reply sl.no. 50. |
| 158 | | | Request you to furnish layout of all locations in Auto-cad format | Please refer to pre-bid reply sl.no. 26. |
| 159 | | | Please furnish the Auto-cad drawing indicating the tap up locations of various services such as PHE, service line, Electrical, HVAC & ELV etc., to the proposed sites. This will help us to work out the length of various services. | Please refer to pre-bid reply sl.no. 24. |
| 160 | | | Please indicate the dia of existing service pipes and depth of chambers. | Throughout the campus different dias of service pipes and depths of chambers constructed with required gradient & levels of the ground. Hence, bidder may advised to visit the existing nearby chambers and pipes before quoting the bids. |
| 161 | | | Please confirm facade cleaning system is in our scope? If yes, for which blocks it is applicable. | Yes. It is under the scope of work. It is applicable for all buildings and shall be executed as per the technical specs of the work. |


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| 162 | | | We presume that for road crossing, we can dig the road area and make it good before handing over. For this, using trenchless technology will be very costly. | As far as possible service lines shall be drawn through existing road crossings available nearby proposed building quads and further if any necessity arises to draw essential service lines then digging of the roads may be allowed as per the directions and approvals of EIC. The contractor shall make good the roads as per the directions of the EIC at his own cost. |
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| 163 | | | <p>Please refer our point no.45, we further elaborate as below about Staff Housing:</p> <p><u>Staff Housing (G+12) as per floor plan</u></p> <p>No. of quarter per floor = 6</p> <p>Total floors = 13</p> <p>No. of quarters = 78/Building</p> <p>App. Area per/qtr=76.7m² (including common area)</p> <p>Area per floor 76.7x6=660.20m²/floor</p> <p>Area of one tower 660.20x13fl=5982.60m²/tower</p> <p>However, tender document says 10155.60m²</p> <p>In case we have to match 10155m² area of one block, then the carpet area of each flat will be 1.7 times more than the plan given. In such case the building cannot be accommodate in the given plot boundary.</p> <p>Please confirm area of tower to be considered.</p> | <p>Please refer to Pre-bid reply at serial no.45 above</p> |
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| 164 | | | <p>Similar to above please refer our point no.46 @ Faculty Housing:</p> <p>No. of quarter per floor = 6</p> <p>Total floors = 13</p> <p>No. of quarters = 78/building</p> <p>Appx. Area of one qtr = 171.89m²/qtr (including common area)</p> <p>Area of one floor = 171.89x6=1031.38m²</p> <p>Area of one tower = 1031.38m²x13floor = 13407/building</p> <p>However, tender document indicates 17090m²/block, which is 1.4 times more than plan area given</p> | Please refer to Pre-bid reply at serial no.46 above |
| 165 | | | Please confirm at ground floor quarters are to be provided or not? As tender Clause-13 say, 72 flat/building for Staff Housing and Faculty Housing. | In Faculty and Staff housing towers there are no residences at the ground (stil) floor. Ground floor/Stilts are earmarked for car parking and other services. |
| 166 | | | We presume that total hostel rooms are 168/building x 3 buildings = 504 rooms | Yes. Total hostel rooms in all 3 blocks shall be 504. |
| 167 | | | We presume that carpet area of Hostel rooms and quarter of Staff Housing and Faculty Housing to be maintained or Total plinth area of block given in Clause-13 is to be maintained. | Fulfilling the statutory norms of the local bodies, the minimum plinth areas as mentioned in clause -13 at page no.07 shall be maintained. |
| 168 | | | Please give us the drawing indicating existing services such as trenches/pipe lines etc., from where we have to tap or services. | Please refer pre-bid reply at sl.no. 24. |


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