

NOTICE INVITING TENDER

Name of the Work: Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha.

NIT NO - IISERBPR/IWD/NIT/2026/34 dated 08/10/2026

(Last date of NIT submission up to 1500 Hrs. on 29/10/2026)

**INSTITUTE WORKS DEPARTMENT
IISER BERHAMPUR
Permanent Campus, At/Po- Laudigam, Konishi, Dist.- Ganjam,
Odisha, India-760003**

Notice Inviting Tender

Indian Institute of Science Education and Research (IISER), Berhampur, is an autonomous Institute established under Ministry of Education, Government of India, invites online percentage rate bids for following work from eligible bidders. The Tender Document can be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> or Institute website www.iiserbpr.ac.in and the bid is to be submitted online only through the E-procurement portal up to the last date and time of submission of tender.

Sl. No.	Description	Details
1.	NIT No.	NIT NO - IISERBPR/IWD/NIT/2026/34 dated 08/10/2026
2.	Name of the work & Location	Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha.
3.	Estimated Amount	Total E&M Works = ₹46,96,477.00/- Total Civil Works = ₹70,93,336.00/- Total Value for work (Civil + E&M) = ₹1,17,89,813.00/- (Rupees One Crore Seventeen Lakh Eighty-Nine Thousand Eight Hundred Thirteen Only)
4.	Earnest Money Deposit	₹2,35,797.00 (Two Lakh Thirty-Five Thousand Seven Hundred Ninety-Seven Rupees Only) should be in the form of bank transfer (SBI I-Collect). Bidders may visit if any assistance is required: https://onlinesbi.sbi.bank.in/sbicollect/payment/listcategory.htm
5.	Tender Processing fee (0.1% of the tendered amount + GST @ 18% (Non-refundable)	₹ 1,180/-
6.	Date of Online Publication/Download of Tender	08/10/2026 at 15.00 Hrs
7.	Bid Submission Start Date	08/10/2026 at 15.30 Hrs
8.	Pre-Bid meeting	15/10/2026 at 15.00Hrs
9.	Last date & time of on-line submission of bid.	29/10/2026 up to 15.00 Hrs
10.	Bid Validity	60 Days from the date of bid submission
11.	Period of completion of work	9 Months from the date of issue of LOA
12.	Date & time of online opening of technical bid.	The Tender bids shall be opened at 15.30 Hrs. on 30/10/2026 . The online submitted financial bid only shall be opened by those bidders who qualify in the technical bid. The time and date of opening of e-financial bid of the technically qualified eligible bidders shall be communicated separately.
13.	For technical/commercial queries contact details of IISER Berhampur	0680-2227726/731: Superintending Engineer, iwd@iiserbpr.ac.in

Superintending Engineer
For and on behalf of the Director, IISER Berhampur

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Superintending Engineer
For and on behalf of the Director, IISER Berhampur

INSTRUCTIONS TO THE TENDERER

1. The contractor submitting the tender should read the schedule of quantities, additional conditions, additional specifications, particular specifications and other terms and conditions given in the NIT and drawing. The tenderer should also read the General conditions of the contract for CPWD Works Manual 2022 with amendments issued up to last date of submission of bids.

However, provisions included in the tender document shall prevail over the provisions contained in the standard form in CPWD Works Manual. The bidder should also visit the site of work and acquaint himself with the site conditions before bidding the tender. The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while filling the tender. They are requested to comply the following instructions:

2.
 - I. Tenders with any condition including that of conditional rebates shall be rejected forthwith.
 - II. Tenderer must ensure to quote on percentage rate basis. The column meant for quoting the rate in the figure appears in yellow color and the moment the rate is entered; it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as '0'. Therefore, if any cell is left blank and no rate is quoted by the bidder, the rate of such item shall be treated as '0'. However, if a tenderer quotes nil rates against each item in the item rate tender, the tender shall be treated as invalid and will not be considered as the lowest bidder.
 - III. The successful tenderer shall be required to submit a performance bank guarantee of **5% of the awarded value** of work within 10 days of the issue of the Letter of Acceptance. This period can be further extended by the Director, IISER Berhampur up to a maximum period of 15 days on the written request of the contractor with a late fee @ 0.1% per day of the performance guarantee amount.
 - IV. Labour Cess (1%), GST (as applicable), etc., or any other taxes as applicable shall be borne by the contractor. The tenderer shall quote the percentage rates considering all such prevailing taxes and nothing extra shall be paid.
 - V. All the statutory recoveries shall be made from the running bills of the contractor like Security deposit, TDS on Income tax, TDS on GST, Labour welfare cess, etc., or any other statutory recovery as per Government of India norms at the prevailing rates and in the manner prescribed by Government.

3. **Eligibility Criteria:**

- a. The firm/ contractor who fulfills the following requirements shall be eligible to apply. Joint Ventures are not accepted.
 - i. Should have satisfactorily completed the similar works as mentioned below during the last five years in any Govt. Organizations (Govt./ Autonomous Bodies/ Govt. Research Institutes or Similar Govt. Institution etc.) ending up to previous day of last date of submission of tenders. Completed ***three similar works each of value not less than ₹47.16 Lakhs or completed two similar works each of value not less than ₹70.74 Lakhs or completed one similar work of value not less than ₹94.32 Lakhs.**
 - ii. The experience in similar nature of work should be supported by Certificates issued by the client's organization. The work experiences of any Govt. Organizations (Govt./ Autonomous Bodies/ Govt. Research Institutes or Similar Govt. Institution etc.) the completion certificate shall be supported with copies of letter of award and copies of corresponding TDS Certificates.
 - iii. **Similar work shall mean:** "Construction of Animal House Facility including Civil, Electrical and Mechanical Services or any other similar Lab Construction work or similar building works" for an amount as stated at para 3 a(I) above with all complete accessories, provided documentary evidence

- should be submitted from the competent authority (from an officer of a rank not less than Executive Engineer/ equivalent) in the stipulated time period.
- iv. The value of executed works shall be brought to the current costing level by enhancing the actual value of work at a simple rate of 7% per annum, calculated from the date of completion to the previous day of the last date of submission of online tender.
 - v. The bidder should have an average annual financial turnover (gross) of at least **₹60 Lakhs**, during the immediate last three consecutive years in the balance sheets ending 31.03.2026. Balance sheets duly audited and certified by the Chartered Accountant (Scanned copy of the certificate from CA/Audited Balance Sheet) are to be uploaded. A year in which no turnover is shown would also be considered for working out the average. The multiplication factor of 7% per annum simple interest is not applicable on the Annual Turnover figures.
 - vi. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during the last three consecutive years ending 31.03.2025. Balance sheets duly audited and certified by the Chartered Accountant are to be uploaded, together with a solvency certificate issued by any of the Scheduled Banks or a Chartered Accountant
4. The bidder should have valid GST, PAN, PF & ESI registration.
 5. **EMD:** The Bidder should submit an EMD as cited as **Sl.-4** of NIT document in the name of “IISER Berhampur “Payable at Berhampur by bank transfer (SBI I-Collect). Bidders may visit, <https://www.onlinesbi.com/sbicollect/icollecthome.htm> if any assistance is required: The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The NSIC / MSME registered bidders must submit copy of valid NSIC / MSME Registration Certificate for exemption of EMD as permissible under the applicable act.
 6. **Refund of EMD:** The interest free EMD will be returned to unsuccessful tenderers only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful completion of the work.
 7. The intending bidder must visit the site of IISER Berhampur to familiarize about the location and scope of work before submission of the bid.
 8. The bidder shall depute qualified technical staff for execution of the work. The intending bidder must read the terms and conditions carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
 9. Information and instructions for bidders posted on the website of the institute shall form part of bid documents. The bid document consisting plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract which are to be complied with and other necessary documents can be seen and downloaded free of cost from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> or Institute website www.iiserbpr.ac.in and the bid is to be submitted online only through the CPP Portal up to the last date and time of submission of tender.
 10. Applicants are advised to keep visiting the above-mentioned web-sites from time to time (till the dead line for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities of not knowing the same.

11.

Sl. No.	Description
1.	Acknowledgement of EMD deposited by bank transfer (SBI I-Collect). Bidders may visit: https://www.onlinesbi.com/sbicollect/icollecthome.htm if any assistance is required
2.	Certificate of financial turnover from Chartered Accountant (Form-A) – Proforma enclosed.
3.	Details of eligibility of similar nature of work completed during the last five years (Form-B)
4.	Performance report of works (Form-C)
5.	Bidders' information (Form- D)
6.	Application Form for Fund Transfer through RTGS / NEFT (Form-F)
7.	Certificate of Registration for GST and other statutory documents
8	Valid Civil works License (A or Above)

This tender notice can also be seen on the Institute website www.iiserbpr.ac.in & www.eprocure.gov.in

12. The eligibility criteria may be relaxed by the Competent Authority according to institute requirements.

Contact details:**IWD, IISER Berhampur**Email: seiwd@iiserbpr.ac.in iwd@iiserbpr.ac.in / iwd_civil@iiserbpr.ac.in

Phone: 0680-2227731/700

ACCEPTANCE

The above Tender (as modified by you as provided in the letters mentioned hereunder) is accepted.

by IISER Berhampur for ₹ _____

(Rupees _____
_____)

The letters referred to below shall form part of this contract Agreement

Signature: _____

Dated: _____

Authorized Signature IISER Berhampur

SCHEDULES

SCHEDULE ‘A

As per the ‘Part B (Schedule of Quantities / PRICE BID)’

SCHEDULE ‘B’

Schedule of materials to be issued to the contractor: - NA

SCHEDULE ‘C’

Tools and plants to be hired by the contractor: As and when required- By the Vendor

SCHEDULE ‘D’

Extra schedule for specific requirements/documents for the work, if any. **Nil**

SCHEDULE ‘E’

Reference to General Conditions of Contract for CPWD Works Manual 2022 **with amendments issued up to last date of submission of bids.**

Name of the work	: Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha. As per sheet attached
Earnest Money	: ₹2,35,797.00 (Two Lakh Thirty-Five Thousand Seven Hundred Ninety-Seven Rupees Only)
Performance Guarantee	: 5% of awarded value of work which will be released after two months from date of completion of work.
Security Deposit	: 2.5% of awarded value. Of work. Security deposit will be released after the successful completion of DLP (i.e. One Year from the date of completion of work in all respect)

SCHEDULE ‘F’

General Rules & Directions:

Officer Inviting Tender:	Superintending Engineer, IWD, IISER Berhampur, For and on behalf of the Director, IISER Berhampur.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with clauses 12.2 & 12.3.	100%

Definitions:

2(I)	(a) Engineer-in-charge (Civil) (b) Engineer-in-charge(electrical)	(a) Superintending engineer, IWD, IISER Berhampur (b) Sr. Executive Engineer, IWD, IISER Berhampur
2(ii)	Accepting Authority	Director, IISER Berhampur
2(iii)	Percentage on cost of material and labor to cover all overheads and profits	As per standards
2(iv)	Standard Schedule of Rates	DSR and MR
2(v)	Department	Institute Works Department, IISER Berhampur

Contract Clauses:

Clause (1)	I. Time allowed for submission of performance Bank Guarantee, program chart (Time & Progress) and applicable labour licenses, registration with EPFO, ESIC from the date of issue of letter of acceptance.	10 days
	ii. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee beyond the period provided in (I) above.	15 days
Clause (2)	Authority for fixing compensation under Clause-2 of the CPWD General conditions of contract (GCC) deals with compensation for delivery, specifying a liquidated damage of 0.5% per week up to a maximum of 10% of the contract value, with the authority's decision being final and binding.	The Director, IISER Berhampur
Clause 2A:	Whether Clause 2A shall be applicable	NA
Clause 5:	Number of days from the date of issue of letter of acceptance for reckoning date of start.	10 days
Clause 11:	Specifications to be followed for execution of work	For Civil works CPWD Specifications 2019 (Vol. I & II) with correction slips up to the last date of submission of Bid including extension, if any and manufacturer's specification and as per direction of engineer-in-charge.
Clause 12:	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for the work.	100%
Clause 16:	Competent Authority for deciding reduced rates	The Director, IISER Berhampur
	Extension of Time	The Director, IISER Berhampur
Clause 19D	Authority to decide penalty for each default	The Director, IISER Berhampur
Clause 18:	List of Mandatory machinery, tools and plants to be deployed by the contractor at site.	As required in the work
Clause 25:	Constitution of Dispute Redressal Committee (DRC)	Director, IISER Berhampur
	DRC shall consist of one Chairman and two members.	Director, IISER Berhampur
	Place of Arbitration	Berhampur, Ganjam
Clause 32	Requirement of Technical Representative(s) and recovery Rate Minimum Qualification of Technical Representative - Graduate Engineer or Diploma Engineer	Discipline- Civil (1) + Electrical (1)
	Designation (Principal Technical /Technical representative)	Project Manager cum Planning /Quality/Site/ Billing Engineer
	Minimum Experience	2 years for B.Tech or 5 years for diploma engineers respectively

	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32	₹15,000/- Per Month, Per person
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Assistant Engineers retired from Government services who are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10-years relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to that such diploma holder should not exceed 50% of requirement of graduate engineers.

SPECIAL CONDITIONS OF CONTRACT

1.0 DEFINITION:

In the Contract (as hereinafter defined) the following definitions words and expressions shall have the meaning hereby assigned to them except where the context otherwise required.

- a. Institute shall mean IISER, Berhampur.
- b. The Engineer-in-Charge, who shall administer the work, shall mean Engineer-in-Charge nominated by the Competent Authority.
- c. Government or Govt. of India shall mean the Indian Institute of Science Education and Research Berhampur represented by its Director.
- d. The term Director General of Works shall mean the Chairman, Building & Works Committee of the Institute.
- e. Accepting authority shall mean the Chairman, Building and Works Committee, IISER Berhampur on his authorized representative.
- f. Superintending Engineer shall mean the overall In-Charge and head of the Institute Works Department who shall direct the contract/EIC.
- g. Site Engineers shall also include the Project Engineer (Civil) appointed by Institute Works Department in addition to the institute engineers.

2.0 DUTIES & POWERS:

2.1 Site Engineers:

The duties of the Site Engineer(s) are to monitor and supervise the works and the workmanship in connection with the works, and to test and examine any materials to be used. He shall have no authority to relieve the contractor of any of his duties or obligations under the contract, except as expressly provided hereunder, nor to order any work involving delay or any extra payment by the Institute and to make any variation in the works.

The Engineer-in-Charge, from time to time in writing, delegates to the Site Engineer(s) any of the powers and authorities vested in them. Any written instruction or written approval given by the Site Engineer(s) to the contractor within the terms of such delegation (but not otherwise) shall bind the contractor and the Institute as though it had been given by the Engineer-in-Charge provided always as follows:

- i. Failure of the Site Engineer (s) to disapprove any work or materials shall not prejudice the power of the Engineer-in-Charge to subsequently disapprove such work or materials and to order the pulling down, removal or breaking up thereof.
- ii. If the contractor is dissatisfied by reason of any decision of the Site Engineer (s), he shall be entitled to refer the matter to the Engineer-in-Charge, who shall thereupon confirm, reverse or vary such decision.

3.0 ASSIGNMENT & SUBLETTING:

- 3.1 The contractor shall not assign the contract or any part thereof or any benefit or interest therein or there under without the written consent of the Engineer-in-Charge to any other agencies. The whole of the works included in the contract shall be executed by the contractor except where otherwise provided in the contract. The contractor shall not sublet any part of the works without the written consent of the Engineer-in-Charge and such consent, if given, shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of sub-contractor, his agents, servants or workmen, as if they were the acts, defaults

or neglects of the contractor provided always that the provision of labour contracts on a piece rate work basis shall not be deemed to be a subletting under this clause.

3.2 The main contractor, if do not possess the following experience for E&M works, may associate with an agency for such works, possessing the following eligibility criteria:

- a) The agency shall have electrical license.
- b) Should have completed three similar works each of value not less than ₹18.78 Lakhs (40%) or completed two similar works each of value not less than ₹28.17 Lakhs (60%) or completed one similar works each of value not less than ₹37.57 Lakhs (80%).

4.0 SCOPE OF CONTRACT:

4.1 The contractor shall make his own arrangements for the safe storage of materials; accommodation for his staff etc. and no claim for the temporary accommodation from the contractor shall be entertained.

4.2 The contractor shall carry out and complete the said work in every respect in accordance with this contract and as per the directions and to the satisfaction of the Engineer-in-Charge. Issue of further drawings and/or written instructions, detailed directions and explanations which are hereinafter collectively referred to as instructions of the Director, IISER Berhampur with regard to:

- a. The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.
- b. Any discrepancy in the Drawings or between the Schedule of Quantities and /or Drawings and/or specifications.
- c. The removal from the site of any materials brought thereon by the contractor and paid by the Institute in running account bills/ the substitution of any other material thereof.
- d. The dismissal of any persons employed thereupon, from the work
- e. The opening up for inspection of any work covered up.
- f. The amending/making good of any defects.

4.3 The contractor shall forthwith comply with and duly execute any instructions of work comprised in such Engineer-in-Charge's instructions, provided always that the verbal instructions and explanations given to the contractor or his representative upon the works shall, if involving a variation, be confirmed in writing by the contractor within seven days and if not dissented in writing within a further seven days by the Engineer-in-Charge, such shall be deemed to be instructions of the Engineer-in- Charge within the scope of the contract.

4.4 The scope of work shall also include incidental sundry components necessary for complete execution and satisfactory performance of the dismantling work, installation& commissioning with all labour charges, whether or not specifically mentioned in the tender documents, which shall be provided by the contractor at no extra cost.

5.0 CONTRACT DOCUMENT:

5.1 The several documents, forming the contract, are to be taken as mutually explanatory of one another and in case of ambiguities or discrepancies, the same shall be explained and adjusted by the Engineer-in-Charge who shall thereupon issue to the contractor its interpretation directing in what manner the work is to be carried out. In case the contractor feels aggrieved by the interpretation of the Engineer-in-Charge then the matter shall be referred to the Director, IISER Berhampur and his decision shall be final, conclusive and binding on both parties to the contract.

6.0 STANDARDS & CODES:

6.1 The design, manufacture, and performance of tendered material/equipment shall comply with all currently applicable statutory regulations and safety codes in the locality where the material/equipment will be installed. The material shall also conform to the requirement of the latest editions of applicable Indian Standards/International Standards. The contractor shall refer to the relevant sections of this

specification for material/equipment standards and codes. Nothing in this specification shall be construed to relieve the contractor of his responsibility.

The bidder shall be responsible for preparing the correct shop drawings as per the site requirement and obtain approval from the Institute. Delays in the issue of approved drawings, if any shall not be considered for any purpose. The bidder alone shall be responsible for the timely arrangement of the required correct shop drawings and getting them approved from the Engineer-in-Charge. Submission of Incorrect drawings or any document and time taken to rectify the same shall not be the cause of hindrance in completing the work. The Engineer-in-Charge shall have full powers and authority to supply to the contractor from time to time during the progress of the work such drawings and instructions as shall be necessary for proper execution and the contractor shall carry out and be bound by the same.

6.2 The successful tenderer shall be required to enter into an agreement with the Institute. The Bill of Quantities & rates filled by the successful tenderer there in, the **General Conditions of Contract of the CPWD Works Manual 2022 with amendments issued up to last date of submission of bids**, the Special conditions, additional specifications, minutes of the pre bid conference, negotiation letter and the award letter etc. shall form part of the agreement to be signed by the successful tenderer. The cost of stamp paper and stamp duty, required for the agreement, shall be borne by the contractor.

7.0 DRAWINGS:

7.1 The contractor shall execute the work as per the construction drawings, issued by IISERBPR from time to time with in the contract period. The approved drawings shall be the property of the institute. On completion of the work, the as-built drawings (5 sets of hard copies and one set soft copy) shall be submitted by the contractor to IISERBPR.

8.0 MATERIALS AND WORKMANSHIP:

8.1 All materials used shall conform to the requirements of materials specified in this specification. Where material requirements are not specified, they shall conform to the applicable standards and BIS codes/as approved by the Department. All materials shall be new, free from defects and of good quality in all respects as per the prescribed specifications. Parts shall be free from flaws and objectionable imperfections and shall be machined true in a workman like manner. No deviations from the specified materials are permissible. Wherever materials are not specifically called out, they shall be properly selected by the contractor / manufacturer to the best standards for the particular application and with the prior approval of the Department.

9.0 SITE AVAILABILITY:

9.1 Front may be progressively available at site initially and the agency is required to visit the site before quoting the tender.

10.0 RATES:

The rates quoted by the bidder, shall be firm and inclusive of all taxes and all charges for packing forwarding, freight and delivery, installation, testing, commissioning, labour supply, etc. during the entire contract period including all extensions granted.

11.0 DEFECT LIABILITY PERIOD:

11.1 The defect liability period will be one year from the date of completion of the work. The material, equipment, installations or any other part thereof so found defective and/or not as per the contract specifications during the guarantee period shall forthwith be repaired or replaced free of cost within one week of reporting, to the satisfaction of the IISER Berhampur.

11.2 The contractor shall conduct his work, so as not to interfere with or hinder the progress or

completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

12.0 SITE SUPERVISION:

12.1 The Contractor shall engage qualified and experienced site staff including the mentioned site engineers to execute the works. Registered and licensed trade persons shall be employed under the direct employment of the contractor and shall be full time on site to supervise the works. The decision of the Engineer-In-Charge as to what constitutes this necessity shall be final and binding.

13.0 GODOWN / WORKER ACCOMMODATION:

13.1 The accommodation for workers shall be arranged by the Contractor. Storage space shall be arranged by the Owners. Contractor shall construct the stores at his cost and he shall be responsible for watch and ward of his materials/installations.

14.0 DEPARTURES:

14.1 No deviation/departure from the terms and conditions shall be acceptable.

15.0 TAXES:

15.1 All taxes as per prevailing notification of Central / State Government shall be recovered from the contractor's bill.

16.0 SUPPLY OF MATERIAL:

16.1 Merely a provision in the schedule of quantities does not entail the contractor to supply the item. The contractor has to supply the quantities actually required for use on work as per the approved drawings. If at any point of time it comes to the notice that any of the items supplied by the contractor & paid by the Institute is not required for use on work, the amount shall be recovered suo-moto and no claim shall be entertained on this account.

16.2 The contractor shall be fully responsible for the safe custody of materials brought by him at site / issued to him even though the materials may be under double lock and key system. The contractor has to make his own arrangement like shed enclosure etc. for keeping the material, providing security etc. The contractor shall be allowed to make temporary structures for stores, offices, sheds, labour huts etc. The contractor shall remove all the structures erected by him necessary for the execution of the work, after completion of the work and clean the site removing all structures and temporary hutments in all respect as per the direction of Engineer-in-charge.

17.0 MODE OF PAYMENT:

17.1 The RA bills / Part payments shall be made in pro rata basis @95% of item rate after installation of the work as per General Condition of Contract with correction slip issued up to last date of submission of bids on production of proof of statutory labour payments and material accountings.

17.2 The remaining 5% of the item rates of the value of work done shall be paid along with final bill on completion of all work; submission of as-built drawings, all guarantee/warranty documents, user manuals of all E&M equipment; successful commissioning; production of compliance of all statutory labour payment and on issue of work completion certificate by the EIC/SE, on expiry of the DLP.

18.0 PROGRESS REPORT:

18.1 The agency shall submit daily and monthly progress report of the work in computerized form along with progress photograph of various items done up to date to indicate actual progress of work.

19.0 LABOUR INSURANCE AND STATUTES:

19.1 The contractor shall obtain GPAI for all an amount of ₹5 lakhs/head for the full period of the contract to meet any untoward incident to the workers at site during the execution of the contract.

19.2 All wages, PF, ESI, SBF, etc. shall be complied by the contractor for all the works deployed at site execution of the work.

19.3 The wages of the labour shall be paid as per the guidelines provided in the CPWD contractor labour regulations.

20.0 SAFETY:

20.1 The contractor shall ensure use of all safety personal protective equipment (PPE) by all workers during execution of work at site without fail. Each incident of nature of PPE shall attract a penalty of ₹500/-, recoverable from the bills of the agency. On recurrence of the default beyond 5 times, a penalty of ₹2,000/- per instance.

20.2 The safety of personnel, material, institute property and other contractor's property shall be ensured during execution of the work by the contractor.

Schedule of Requirement / Scope of Work

Name of the work: Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha.

1. GENERAL

The work comprises construction, installation, testing and commissioning of Civil, Plumbing, Electrical, Fire Alarm, CCTV, Data Networking and Air Conditioning works as per approved drawings, BOQ, CPWD Specifications (latest edition), relevant IS Codes and directions of the Engineer-in-Charge.

The contractor shall provide all labour, materials, tools & plants, machinery, scaffolding, consumables and testing equipment required for complete execution of the work.

All materials shall be of approved make and conform to relevant IS standards. Necessary test certificates shall be submitted prior to use.

2. CIVIL WORKS

The civil works shall broadly include:

- Earthwork in excavation for foundations and trenches including refilling and disposal of surplus earth.
- Post-constructional anti-termite treatment using approved chemical emulsion.
- Plain Cement Concrete (PCC) in foundations and plinth.
- Damp Proof Course (DPC) and plinth protection.
- Reinforced Cement Concrete (RCC) work in foundations, columns, beams, slabs etc. using M30 grade design mix concrete including centering, shuttering and reinforcement (Fe-500D).
- Brick masonry and half brick partition wall in cement mortar.
- Structural steel work in staircases and handrails.
- Door frames, flush doors, fire-rated doors with complete hardware fittings.
- Vitrified tile flooring and skirting.
- Cement plastering, white cement putty, plaster of Paris finishing.
- Interior acrylic distemper and exterior acrylic emulsion painting.
- Waterproofing treatment to roof/terrace including brick bat coba and flood testing.
- Finishing works including grooves, polishing and all allied works.

All RCC works shall be tested through cube testing as per IS provisions.

3. PLUMBING & SANITARY WORKS

The plumbing works shall include:

- Installation of sanitary fixtures including wash basins, bottle traps and CP fittings.
- uPVC soil, waste and rainwater piping.
- CPVC water supply piping (concealed/exposed).
- Installation of PVC water storage tanks.
- Drainage system including RCC NP2 pipes and gully chambers
- Water proofing and sealing at joints and penetrations.

All pipelines shall be pressure tested and made leak-proof before commissioning.

4. ELECTRICAL WORKS

Electrical works shall include:

- Internal wiring using FRLS copper conductor cables in steel conduit.
- Installation of modular switches, sockets and distribution boards.

- MCCB/MCB/RCCB installations.
- Earthing system including GI pipe earthing, copper plate earthing and earth strip continuity.
- Laying and termination of LT XLPE power cables.
- Installation of LED light fixtures, BLDC ceiling fans, exhaust fans and external lighting.
- Installation of 6 KVA online UPS with battery backup.

All electrical installations shall be tested for insulation resistance, earth resistance and loop impedance as per CPWD specifications.

5. FIRE ALARM SYSTEM

The scope includes:

- Supply, installation, testing and commissioning of addressable fire alarm panel.
- Installation of smoke/heat detectors, manual call points, sounders and voice evacuation system.
- Laying of fire-rated armoured cables.
- Integration and functional testing of entire system.

The system shall comply with NBC and relevant IS standards.

6. CCTV & SURVEILLANCE SYSTEM

The work shall include:

- Installation of 2MP IP dome cameras.
- 32-channel NVR with storage.
- PoE switches and CAT6 cabling.
- Display unit and accessories.
- System configuration for recording, monitoring and remote access.

Complete testing and demonstration shall be carried out before handing over.

7. DATA & TELEPHONE NETWORKING

- CAT6 structured cabling.
- Information outlets.
- Industrial grade network switches.
- Testing and certification of network cabling.

8. AIR CONDITIONING WORK

- Supply, installation, testing and commissioning of Hi-wall inverter split AC units (1.0 TR & 1.5 TR, 5 Star).
- Copper refrigerant piping, drain piping and power cabling.
- Installation of air curtain.
- Performance testing and commissioning.

9. TESTING, COMMISSIONING & HANDING OVER

All works shall be tested, commissioned and demonstrated to the satisfaction of the Engineer-in-Charge. Necessary test reports, warranties and completion documents shall be submitted before final handing over.

LIST OF PREFERRED MATERIALS (CIVIL)

Note:

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of preferred materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make. 3. Whenever the specified brand of material is not available than, the Engineer-in charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

Sl. No.	Material Description	Approved Brands
1	Ordinary Portland Cement (43 Grade)/PPC	ACC, UltraTech, Dalmia, Jaypee, JK Cement, Ramco
2	TMT Bars Fe-500D / Fe-550D (CRS Steel)	SAIL, Jindal Panther, TATA Steel, RINL, JSW
3	Plasticizer & Super Plasticizer	MC Bauchemie, Sunanda Chemicals, MYK Schomburg, Sika, Fosroc, Chryso, BASF, CICO, SmartCare, Ardex Endura, Vamorganic, Fevicol
4	Adhesive	CICO, Proofex, Kerabond Plus, Asian Paints, Ardex
5	Grout Compound / Epoxy Grout	Ardex, Ferrous Crete, LATA POXY, BASF, Fosroc GP2, MYK Schomburg, CICO, SIKKA, Fugabella, Dr. Fixit, Kerapoxy, Weber, Asian Paints SmartCare
6	Prelaminated Particle Board Exterior Grade	Merino, Kitlam, TESA Action, Eco Board, Associate, Archid Ply, Century, Greenlam
7	High Density (HDF) Prelaminated Board	Green Ply, Pergo, Armstrong
8	Gypsum Board	Gyproc, Lafarge, USG Boral, Armstrong, Kundan, Alloy
9	Stainless Steel Screws	GKW, Nettlefold, Pooja, Atul
10	Butt Hinges Openable Window Shutters	Hafele, Dorma, Dorset, Alu Alpha
11	Mild Steel Butt Hinges / Piano Hinges	Jolly, Supreme, Saswat, Swift, Garg, Amit, Jyoti
12	Stainless Steel Butt Hinges	Prayag, Ozone, Dorma, Geze, Garg
13	PVC & UPVC Doors, Frames & Windows	Fenesta, LG, Kommerling, Aluplast, Duroplast, Qute, Polyline, Rajshri, NCL VEKA, Marcolini, Venster, Encraft
14	PVC Doors & Frames	Accucel, Duroplast, Polyline, Rajshri, Qute, Hettich, Hafele, Securistyle
15	Stainless Friction Hinges	Earl Bihari, EBCO, ROTO
16	Float Glass	Saint Gobain, Asahi, Pilkington, Modiguard
17	Dash Fasteners	Hilti, Fischer, Anchor, Nutech, Canon, Wuerth, Trixel, Helfen, Bosch, Kundan
18	Structural Steel	SAIL, TATA Steel, RINL, JSW, Apollo
19	M.S. Pipes & Tubes	SAIL, TATA Steel, Apollo, Kalinga, Jindal, Nezone, Connect
20	Brass Fittings	Ark Product, Jindal, SAIL, Kingston
21	Stainless Steel Bolts, Washers & Nuts	Kundan, Pooja, Atul, Hilti

22	Stainless Steel Pressure Plate Screws	Kundan, Pooja, Atul, NITCO, RAK
23	Vitrified / Ceramic Tiles	Kajaria, Somany, Johnson, Orient Bell, CERA, Oasis
24	Wall Putty	Birla White, JK White, PAVIT (Eco Tile), Asian Paints
25	Polycarbonate Sheet	MG Polyplast, GE Lexan, Danpalon, Alcox, Polygal
26	False Ceilings	Aerolite, Armstrong, Saint Gobain Gyproc
27	False Ceiling Members (Perimeter, Ceiling Section, Intermediates, Angles etc.)	Aerolite, Armstrong, Saint Gobain Gyproc
28	Synthetic Enamel Paint (Premium Gloss Enamel)	Asian Paints, Dulux, Nerolac, Berger, Nippon
29	Pink Primer / Wood Primer	Asian Paints, Dulux, Nerolac, Berger, Nippon
30	Red Oxide Zinc Chromate Primer / High Performance Yellow Metal Primer	Asian Paints, Dulux, Nerolac, Berger, Nippon
31	Oil Bound Distemper	Tractor Aqua Lock, Dulux Maxilite, Nerolac, Berger
32	Acrylic Emulsion	Asian Tractor Emulsion, Premium Emulsion, Dulux Super Cover, Nerolac Beauty Gold, Berger Rangoli Total Care
33	Water Proof Cement Paint	Asian Exterior Wall Primer, Berger, Surfa Coats Ultra Shield, ICI Dulux, Cem Colour
34	Acrylic Smooth Exterior Paint	ACE, Dulux, Apex, Nerolac, Berger, Nippon
35	Premium Acrylic Smooth Exterior Paint with Silicon Additives	Ultima, Dulux, Nerolac, Berger, Surfex Rain Shield
36	Cement Based Wall Putty	JK Wall Putty, Birla Wall Care, Asian Paints, Alltek, Berger, Ardex Endura, Ferrous Crete
37	Cement Primer	Asian Paints, JK Primaxx, Berger
38	Flushing Cistern	Hindware, Bathsense, Kohler, CERA, Jaquar, Parryware
39	SWR PVC Pipes & Fittings	Supreme, Astral, Finolex, Flowguard, Truflo, Prince
40	Stainless Steel Kitchen Sink	Hindware, Diamond, Jindal, Nilkanth, Nirali, Johnson, Silver Shine, Navkar, Franke, Futura, CERA
41	G.I. Pipes	TATA, Zenith, HISSAR, Jindal, Apollo
42	G.I. Pipe Fittings	Zoloto, Unik, HB, ICS
43	Water Supply Valves	Zoloto, Leader, ARCO, Nanda
44	CPVC Pipes & Fittings	Supreme, Finolex, Astral, Prince, Truflo, Birla Aerocon, Ashirwad, Flowguard
45	PVC / HDPE Water Storage Tanks	Sintex, Vectus, Supreme
46	Water Supply Fixtures (Bib Cocks, Shower Panels etc.)	Hindware, Parryware, Metro, Seiko, Prayag, Kingston, Johnson, MARC, Jaquar, EssEss, Bathsense, Royal, Asian Paints
47	Air Release Valve	Kirloskar, RBM, Kartar
48	Centrifugally (Spun) Cast Iron Pipes	Lanco/Sripipes, Jindal, Kesoram, Electrosteel
49	Spun Cast Iron Fittings	Neco, Kartar, Electrosteel, Kapilansh Centrifugal, SKF Brand
50	C.I. Double Flange Sluice Valve	Kirloskar, RBM, Kartar, IVS, Zoloto, BURN, Leader

51	C.I. Double Flanged Non-Return Valve	Kirloskar, Fluidtech, Zoloto
52	Gun Metal Valves	Zoloto, Leader, Sant, Audco
53	PTMT/PVC Water Supply Sanitary Fittings (Bib Cock, Pillar Cock, Angle Valve, Stop Valve)	PEARL, Prayag, Supreme
54	RCC Pipes	Indian Hume Pipe, Madurai Spun Pipe, Lakshmi Sood & Sood, Jain & Co.
55	C.I. Manhole Cover	Neco, HEPSCO, BIC
56	SFRC Cover and Grating	KK, Advent, Kutty, Nu-TEC, DEC
57	Plastic Encapsulated Foot Rest	KK India, KGM, Accurate Buildcon
58	Spun Cast Iron Covers & Gratings	Neco, Jagannath, Kapilansh Centrifugal, SKF Brand
59	Aluminium Doors/Windows Sections	Hindalco, Jindal, Padmavathi Extrusion, Hydro Extrusion, Omalco Extrusion
60	Aluminium Systems / Anodised Aluminium Fittings for Doors & Windows	Define, Schueco, Bhoruka, Kawneer, Hardima, Everite, Jyothi, Sigma
61	Friction Stay Hinges	Earl Bihari, KINLONG
62	EPDM Gaskets	Anand, Roop, Bohra, Hanu, Ameer Rubber
63	Silicon Gaskets	SreeGaurav
64	Masking Tapes	3M, Sun, Wonder Polymer, Roop
65	Waterproofing Compound	Fosroc, Ferrous Crete, Asian Paints, Sika, MYK Schomburg, Penetron, Dr. Fixit, Ardex Endura, Alchemica, SmartCare, Berger Cementmix Plus/Advanced Latex Plus, CICO, Shallplast LW+, Mapecure AS/E30/ASE, Impermo, Accoproof
66	Membrane Waterproofing System	BASF, Ferrous Crete, STP Ltd., MYK Schomburg, Asian Paints, Texsa, Dr. Fixit, Alchemica, Ardex Endura, Mapeplan TU S20 / Planiseal 88 / Planiseal 288, Elastorof PU / Sunroof PU / Sunkote, Hydro Tech
67	PVC Door Frames & Shutters	Rajshri, Plastiwood, Sintex
68	Float Valve (Ball Valve)	Prayag, Leader, Zoloto, IBP, Arco
69	Aluminium Framework	MFE (MIVAN), S-Form, MFS
70	Galvalume Sheet for Roofing / Cladding / Sandwich Panel	Lloyd Metal Craft, Tata BlueScope, Bhushan, JSW, Essar
71	C.P. Brass Fittings	Hindware, MARC, Parryware, Jaquar, Kingston, Johnson, ESS ESS/Bathsense/Royal, Kerovit, CERA
72	White Cement	JK, Birla, Travancore
73	Shuttering Ply	Greenply, Grasim Ply, Archid Ply, Green Panel
74	Powder Coating	Jotun, Akzo Nobel, Berger
75	PVDF Coating	Akzo Nobel, Valspar
76	Anti-Termite Treatment (Post Construction)	Termiseal, Godrej Pest, Capital Pest
77	UPVC Hardware	DNV, HOPPE, PULSE, COAR

78	Overdeck Insulation with Extruded Polystyrene Board (XPS Board)	Owens Corning, Supreme Petrochemicals, Dow Corning
79	Heat Resistant Tiles on Terrace	Swastik, Thermatek, ABC Ceramics
80	Fibre Glass Acoustical Wall Panelling	Decosonic, Armstrong, Ecophone (Saint Gobain), Aeroceil, Anutone
81	Non-Shrink Flowable Cementitious Grout	Teemax Grout TP-1

LIST OF SUGGESTED APPROVED MAKES FOR ELEC & ELV

SR.NO	DETAILS OF EQUIPMENT & MATERIALS	Approved Make
ELECTRICAL		
1	M.S. Conduits and accessories	Supreme/Precision/Supersales/BEC/A KG
2	FRLS PVC Conduits & Accessories	Diamond/BEC/AKG
3	FRLS PVC Insulated Copper Conductor Wires of 1100 V Grade	Polycab/KEI / Bonton / RR Kabel
4	FRLS PVC Insulated Copper Conductor Lead Wires 1100 V Grade (3-Wire)	Polycab/KEI / Bonton / RR Kabel
5	XLPE insulated Aluminum/Copper Conductor Armoured Cable of 1100 V Grade	Polycab/KEI / Bonton / RR Kabel
6	Cable Glands (Double Compression)	Comet/Stepwell/Gripwell
7	Cable Lugs (Crimping Type)	Dowells/Jainsons/Comet
8	Fire Survival Copper Cables	Polycab/KEI / Bonton / RR Kabel
9	Data Cable (CAT-6a)	Tyco electronics
10	Cable Tray	Profab / Sharda/ Classic/SMC
11	Raceway	Profab / Sharda/ Classic/SMC
12	Switches/Sockets & USB Charger	Schneider / Siemens / Legrand
13	Gang Box	Schneider / Siemens / Legrand
14	Industrial Socket Outlet (Socket & Top)	Neptune/LeGrand/Clipsal
15	LED Light Fixtures	arrystrom/havells/surya/wipro
16	Maintenance Free Earthing System & Components	OBO/DEHN/Erco
17	Floor Access Box	AH-Meyer
18	ACB & Accessories	Schneider / ABB / Siemens / Legrand
19	MCCB & Accessories	Schneider / Siemens / Legrand
20	Miniature Circuit Breakers/ RCCB/ RCBO/ MPCB	Schneider / Siemens / Legrand
21	Distribution Boards	Schneider / ABB / Siemens / Legrand
22	Changeover Switch	ABB/Schneider/Socomec
23	Auto Transfer Switch	ABB/Schneider-ASCO/Socomec
24	LED Indicating Lamps & Push Buttons	Schneider / Siemens / Legrand
25	Digital Multifunction Meter	Schneider/ Neptune /Socomec

26	Current Transformer	AE/ Procom/ Kappa
27	Protection Relay (Numerical)	Schneider / Siemens / Legrand
28	Power Contactor	Schneider / Siemens / Legrand
29	Overload Relays with built-in single-phase preventer	Schneider / Siemens / Legrand
30	Auxilliary Relays	ABB/GE-Multilin/PLA
31	Thermostat, Humidistat & Space heater	Honeywell/Rittal
32	Selector Switch	Schneider/Siemens/Kaycee
33	Timer	Schneider/ABB/Siemens
34	LT Jointing Kit/ Termination	3M /Densons / Raychem
35	Terminal Blocks	Connectwell/Phoenix/Wago/ELMEX
36	Lightning & Surge Protection Devices	OBO/DEHN/Erco
37	Modular UPS	Vertiv/Eaton/Schneider
38	Lithium Ion UPS Batteries	Samsung/ LG
39	Nyvin Type Glass Wool Insulated Cables	IGI/Miracle/Kalcey
40	Wire Mesh Tray	Legrand – Cablofil/Schneider/OBO
41	Rubber Mat	3M / Premier/Polyfilm
42	Standalone Occupancy/ Motion Sensors	Honeywell/Johnson Controls/ Trane
43	Panel Gas Flooding System (FE-36)	Fyrex/Superex/Ceasefire
44	Lighting Management System	Enlighted/Lutron
45	SDBs and Panels	Zenith/ Arrow Engineers
46	Wireless Charger For Mobile Charging	Kramer
47	Rising Mains (Sandwich Type)	Schneider/LeGrand/EAE
48	Micro PLC	Siemens/Schneider/Allen Bradley
49	Copper/Aluminium bus bar	Hindalco/Jindal steel (Hissar)
50	Copper/Cu bus bar	Jindal steel (Hissar) / Hindalco
51	Cieling fan/Exhaust Fan	Standard/havells/philips
52	External lights	K-lite/Ligman/unilamp
Fire Alarm Cum Voice Evacuation		
1	Fire Alarm Panel	Notifire/Simplx/EST
2	Repeater Panel	Notifire/Simplx/EST
3	Printer	Epson/Cannon
4	Graphic Software	Notifire/Simplx/EST
5	Client Machine	Dell/HP
6	Digital Audio Amplifier	Notifire/Simplx/EST
7	Multi Criteria Detector	Notifire/Simplx/EST
8	ROR Heat Detector	Notifire/Simplx/EST
9	High Sensitivity Photo Detector for AHU	Bonton/Polycab/RR Kabel
10	Beam Detector	Notifire/Simplx/EST
11	Dual Action Manual Call Point	Notifire/Simplx/EST
12	Control Module	Notifire/Simplx/EST
13	Relay Module	Notifire/Simplx/EST
14	Monitor Module	Notifire/Simplx/EST
15	Isolator Module	Notifire/Simplx/EST

16	Sounder Cum Strobe	Notifire/Simplx/EST
17	Ceiling Speaker (with BackBox)	Notifire/Simplx/EST
18	Flase Ceiling Speaker	Notifire/Simplx/EST
19	Addressable Power Supply	Notifire/Simplx/EST
20	Pull Cord	Synopsys/Sewa/Honeywell
21	2 core x 1.5 mm ² , Multistrand Copper, Fire survival, Unarmoured & Armoured cable.	Polycab/KEI / Bonton / RR Kabel
22	20mm / 25 mm MS Conduits and fittings	Supersales/BEC/AKG/Supreme/Precision
23	Cable Trays	Profab / Sharda/ Classic/SMC

Note:

Make and models of all materials should be got approved from the engineer in-charge well before placing order to the OEM/Authorized dealer/supplier. The agency is required to submit all relevant manufacturers test certificates/documents and samples along with the proposal. The decision of Engineer in-Charge is binding in this regard and no variation is acceptable.

FORM-A**FINANCIAL INFORMATION**

- I. **Financial Analysis** — Details to be furnished duly supported by figures in the Balance Sheet / Profit & Loss Account for 3 (three) years duly certified by the Chartered Accountant, as submitted by the applicant to the Income-Tax Department (Copies to be attached).

Financial Years
(In ₹ lakhs)

Sl.No	Details	(1)	(2)	(3)
		2025-26	2024-25	2023-24
i)	Gross annual turnover in works.			
ii)	Profit / Loss			

- II. *Financial arrangements for carrying out the proposed works. Note: Attach additional sheets, if necessary*

Signature of Chartered Accountant with seal

Signature (s) of Bidder(s)

Form-B

Details of eligible similar nature of works completed during the last Seven years

<i>Sl. No</i>	<i>Name of the work/ Project and Location</i>	<i>Owner or Sponsoring organization</i>	<i>Cost of work (In ₹ lakhs)</i>	<i>Date of Commencement as per Contract</i>	<i>Stipulated date of Completion</i>	<i>Actual date of completion</i>	<i>Litigation or Arbitration Pending/ in Progress with Detail *</i>	<i>Name and Address/ Telephone number of officers to whom reference may be made</i>	<i>Whether the work was done on back-to-back basis Yes/No</i>
1	2	3	4	5	6	7	8	9	10

(Ending up to previous day of last date of submission of online tender)

** Indicate gross amount claimed and amount awarded by the Arbitrator.*

Signature of Tenderer(s)

Performance report of works referred in Form 'C'

(Furnish this information for each individual work from the employer for whom the work was executed)

1. Name of work / Project & Location.:
2. Agreement No.:
3. Estimated Cost:
4. Tendered Cost:
5. Actual work done:
6. Date of start:
7. Date of completion
 - a) Stipulated date of completion
 - b) Actual date of completion
8. (a) Whether case of levy of compensation for Yes/No delay has been decided or not
(b) If decided, amount of compensation levied for delayed completion, if any
9. Performance report
 - i) Quality of work Outstanding/ Very good /Good/ Poor
 - ii) Financial Soundness Outstanding/ Very good /Good/ Poor
 - iii) Technical Proficiency Outstanding/ Very good /Good/ Poor
 - iv) Resourcefulness Outstanding/ Very good /Good/ Poor
 - v) General behavior Outstanding/ Very good /Good/ Poor

Date:

Authorized Signatory (Seal of the organization)

Form-D**Bidder information Form**

1.	Name and address of Bidder	
2.	Telephone No. / Fax No. / email address	
3.	Legal status of the bidder (Attach copies of original document defining the legal status). The applicant is: a) An individual b) A proprietary firm c) A Firm in partnership d) A limited company or corporation	
4.	GST/PAN No	
5.	Name and title of officers with designation to be concerned where similar work carried out.	
6.	Designation of individuals authorized to act for the organization.	
7.	Whether, the agency has similar experience as mentioned in Page No.-07, Para-3 (a) (if)	
8.	Whether the Agency is having Annual Turn Over $\geq$ 10 Lakhs and supporting documents attached (Yes/No)	
9.	EMD Submitted (Yes/No)	

Signature of Bidder

Form-F

Application Form for Fund Transfer through RTGS / NEFT Date:

Counterfoil SBI, Main Branch, Berhampur Received from IISER Berhampur By Cheque / Transfer for RTGS on Bank <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">Favoring (beneficiary name)</td> </tr> <tr> <td style="height: 40px;"></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">Beneficiary Bank A/c No</td> </tr> <tr> <td style="height: 20px;"></td> </tr> </table> Amount ₹ Bank's Charges Rs..... Total Rs.....	Favoring (beneficiary name)		Beneficiary Bank A/c No		<u>Application for RTGS Remittance</u> SBI Main Branch, Berhampur Branch Code: 000033 Remitter Name: IISER Berhampur Please Remit the sum of ₹ (Rupees _____ only) As per details below by debiting our Account No: 37927733884 For the total amount including charges applicable (if any) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">Name of the beneficiary</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Bank's name</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Branch</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">IFSC Code</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Account No.</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">MICR Code</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Type of Account</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Amount Rs</td> <td></td> </tr> <tr> <td>Amount in Words Rs</td> <td></td> </tr> <tr> <td>Bank Charges Rs</td> <td></td> </tr> <tr> <td>Total ₹</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"></td> <td style="text-align: center;">(Authorized Signatory -1) (Authorized Signatory - 2)</td> </tr> <tr> <td>Address</td> <td style="text-align: center;">: Finance & Accounts, IISER Berhampur</td> </tr> <tr> <td>Tel No.</td> <td style="text-align: center;">: 0680-222 7708</td> </tr> </table>	Name of the beneficiary		Bank's name		Branch		IFSC Code		Account No.		MICR Code		Type of Account		Amount Rs		Amount in Words Rs		Bank Charges Rs		Total ₹			(Authorized Signatory -1) (Authorized Signatory - 2)	Address	: Finance & Accounts, IISER Berhampur	Tel No.	: 0680-222 7708
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Name		Name																															
Designation		Designation																															
Firm / Agency Name:		Department																															

***Please affix a rubber stamp**

Date of Transfer	
Amount Rs	
Transaction / UTR No.	

Declaration of site inspection

To,

The SE, IWD, IISER, Berhampur

Subject: - NIT No.: IISERBPR/IWD/NIT/2026/34 dated 08/10/2026 (Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha)

Dear Sir,

It is hereby declared that as per CPWD-6 for e-Bidding, I/we the bidder inspected and examined the subject site and its surrounding and satisfy myself/ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site/ourselves before submitting the bid, the accommodation which may require and all necessary information as to risks, contingencies and other circumstance which may influence or affect our bid have been obtained. I/We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date.

I/we bidder shall be responsible for arranging and maintaining at own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specially provided for in the contract documents. Submission of a bid by me/us implies that I/we have read this notice and all other contract documents and has made myself/ourselves aware of the scope and specification of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Yours faithfully
(Duly authorized signatory of the bidder)

(FORM-H)

**UNDERTAKING ON STRUCTURAL STABILITY AND SOUNDNESS OF ALREADY
COMPLETED BUILDINGS AND INFRASTRUCTURE PROJECTS.**

I/we undertake and confirm that any building/infrastructure constructed by our firm/partnership firm/ company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty-five) years

I/we, further, undertake that if such information comes to the notice of IISER Berhampur, then Engineer-in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

I/we, also undertake that in addition to above, the Engineer-in-Charge shall be free to debar us forever from tendering in IISER Berhampur.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of notary with seal

Signature of Bidder(s) or an authorized
person of the firm with stamp

Note: Affidavit to be furnished on a 'non-judicial' stamp paper of ₹200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

CONTRACT AGREEMENT

AGREEMENT made on this _____ day of _____ Two
Thousand Twenty-Six between the Indian Institute Science Education & Research Berhampur
incorporated as Institutions of National Importance under the umbrella of the NIT (Amendment) act,
2012 (NIT Act 2007), (**The act was further amended in 2014, entitled as NITSER ACT 2014**)
through its Superintending Engineer IISER Berhampur (hereinafter referred to as “The Institute”) and
M/s _____

(Hereinafter referred to as “The
Contractor”) which expression shall include his/their respective heirs, executors, administrators and
assigns of the other part.

WHEREAS the Institute is desirous for the work “**Construction of Animal House Facility including
Civil, Electrical and Allied Services at IISER Berhampur, Odisha**” and has caused drawings and
specifications describing the work to be done and WHEREAS the said drawings as per list attached,
the specifications, the priced Schedule of Quantities the conditions of tender and the conditions of
contract have been signed by or on behalf of the parties hereto AND WHEREAS the contractor has
agreed to execute upon and subject to the condition set forth (herein after referred to as ‘the said
conditions’) the work shown upon the said drawings and described in the said specification and the said
priced Schedule of Quantity ‘at the respective rates mentioned in the priced Schedule of Quantities.

AND WHEREAS the contractor has deposited by Cash/FDR/for a sum of
₹ _____/- (Rupees

_____ only), with the Institute for the due
performance of this agreement.

NOW IT IS HEREBY AGREED AS FOLLOWS:

- 1 In consideration of the payments to be made to the contractor as herein after provided the Contractor shall upon and subject to the said conditions execute and complete the works shown upon the said drawings and such further detailed drawings as may be furnished to him by the said Institute and described in the said specification, and the said priced Schedule of Quantities.
- 2 The Institute shall pay the contractor such sums as shall become payable here under at the time and in the manner specified in the said conditions.
- 3 Time is the essence of the agreement. In the event of the Contractor failing to comply with this condition, he shall be liable to pay compensation as per clause 2 of the General Condition of the Contract as decided by the competent authority of the Institute in writing which shall be final and binding on the contractor.
- 4 The Drawings, specifications and priced Schedule of Quantities above mentioned shall form the basis of this contract and the decision of the Director or Arbitrator or Umpire as mentioned in the conditions of the Contract in reference to all matters of disputes as to material, workmanship or account and as to the intended interpretation of the clause of this agreement or any other document attached here to shall be final and binding on both parties as may be made by a rule of court.
- 5 The said contract comprises the work above mentioned and all the subsidiary work connected therewith the same site; all as may be ordered to be done from time to time by the institute even though such works may not be shown on the drawings or described in the said specifications or the priced Schedule of Quantities.
- 6 The institute reserves the right to alter the drawings and nature of the work and of adding to or omitting any items of work or of having portions of the same carried out departmentally or otherwise

and such alterations or variations shall not vitiate this contract.

- 7 The said conditions and appendix there to shall be read and construed as forming part of this agreement and the parties here to will respectively abide by and submit themselves to the conditions and stipulations and perform the agreement on their parts respectively in such conditions contained.
- 8 All other disputes and differences except as excluded by clause 2 shall be referred to arbitration as per clause 25 of the said conditions of contract. The provision of the **Arbitration and Conciliation Act 1996 (26 of 1996)** or any statutory modifications or reenactment thereof and of the rules made there under for the time being in force shall apply to Arbitration proceedings under this clause.
- 9 All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen in Berhampur and only courts in Berhampur shall have jurisdiction to determine the same.
- 10 The several parts of this contract have been read to us and fully understood by us. In witness whereof the parties hereto have set their respective hands the day and the year herein above written.

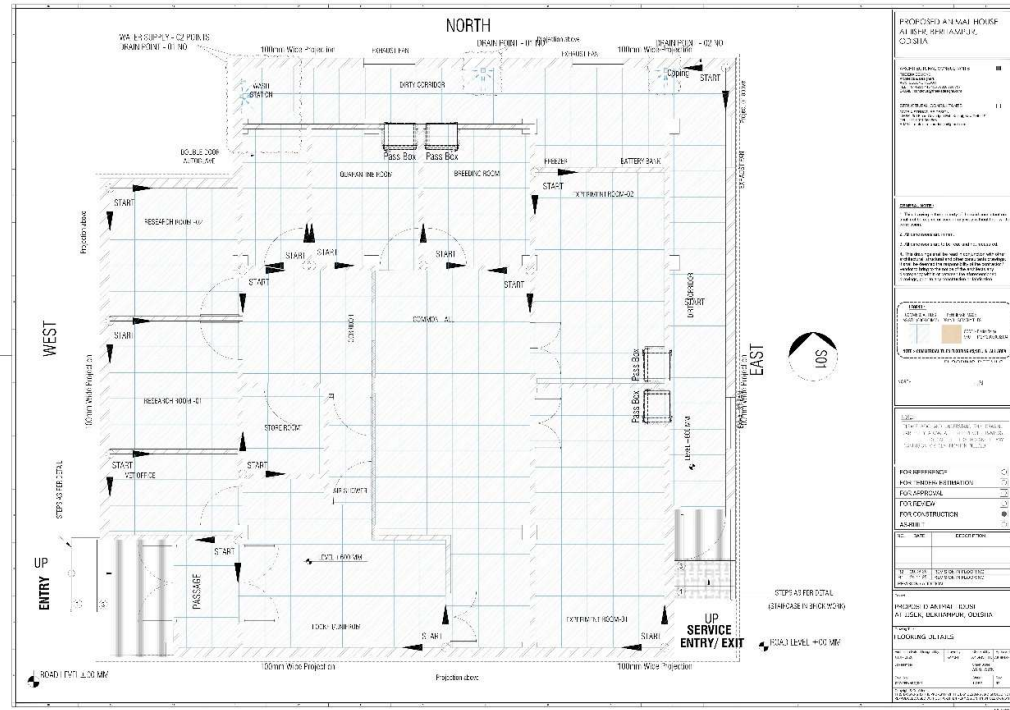
Authorized signature of IISER Berhampur

In the presence of:

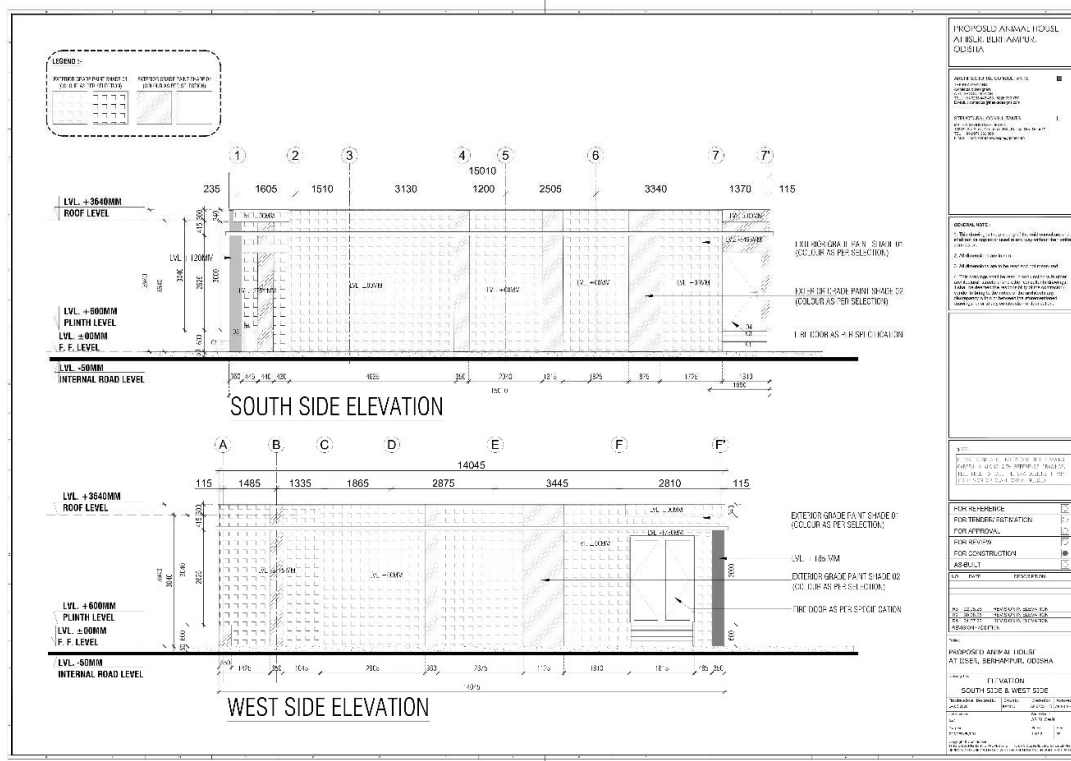
- 1.
- 2.

Contractor

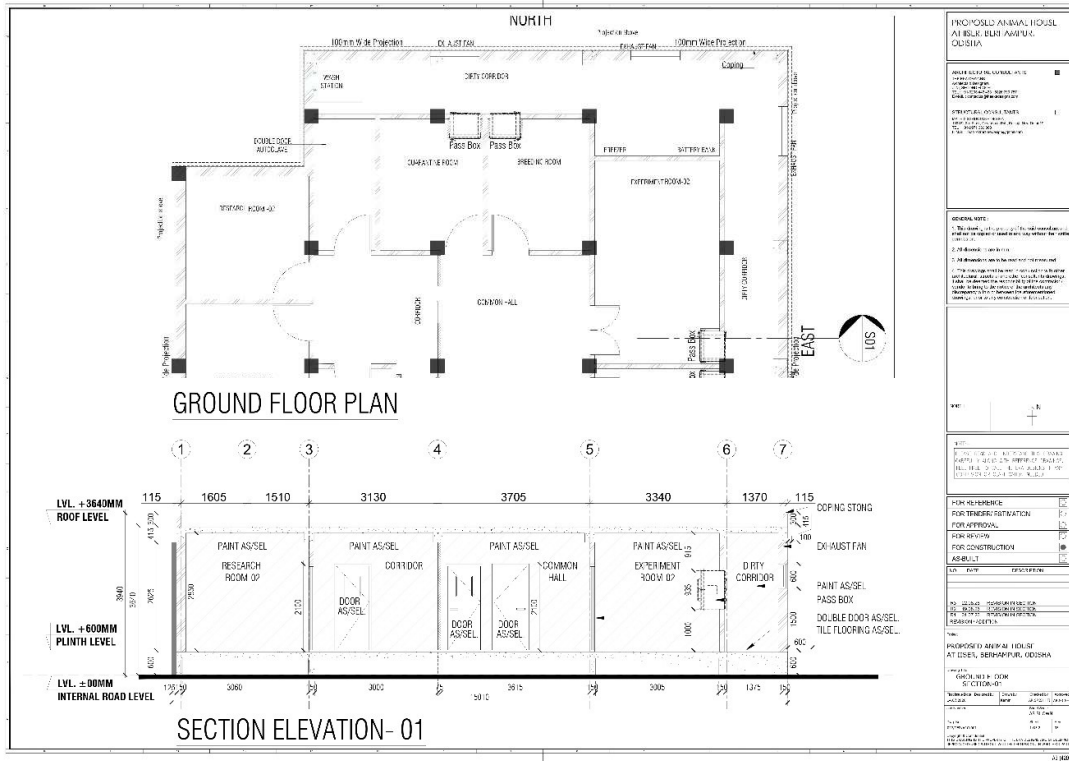
Indicative Drawing



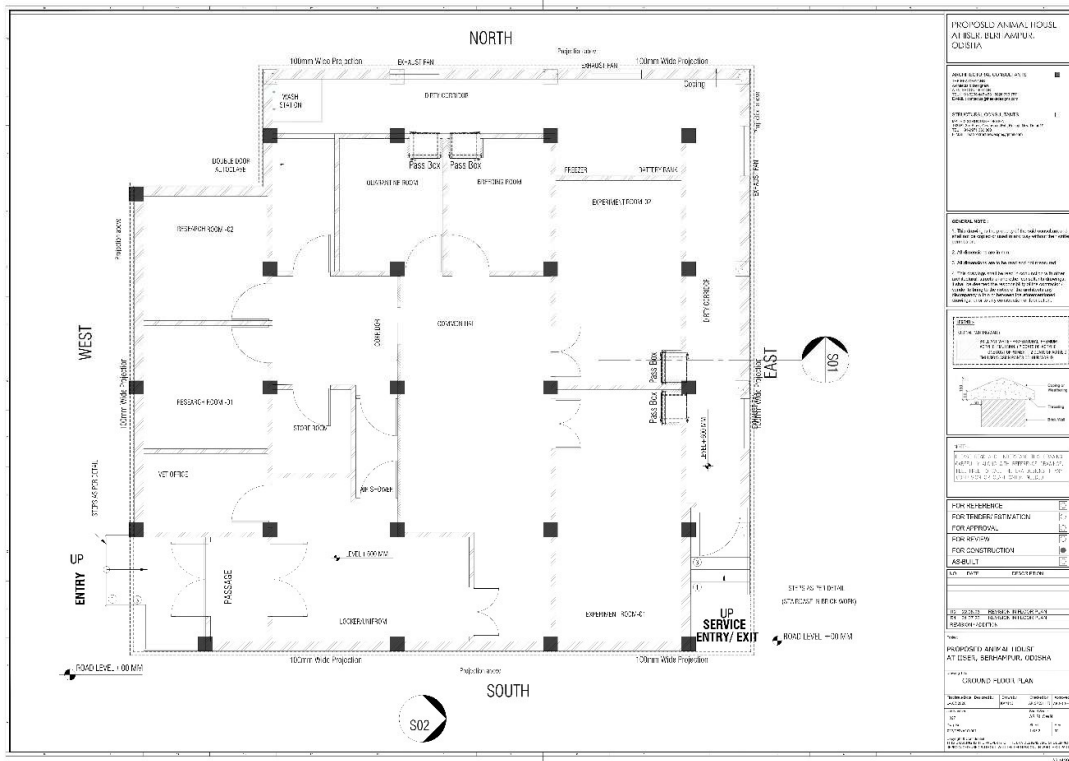
Indicative Drawing



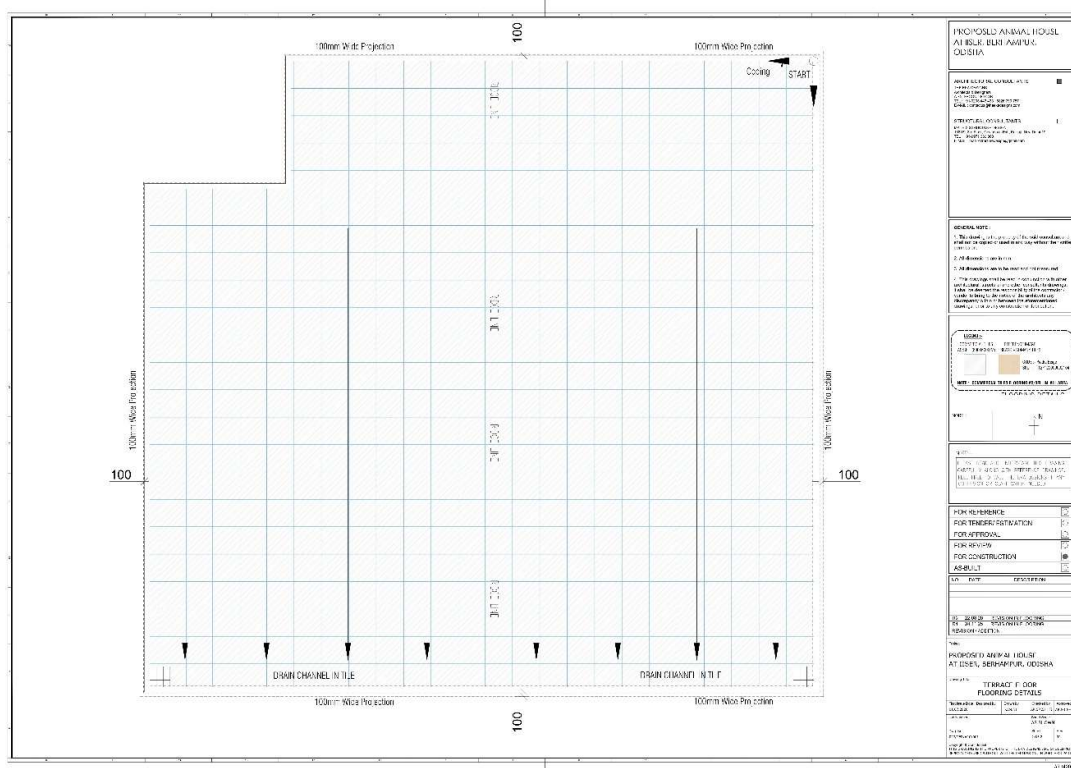
Indicative Drawing



Indicative Drawing



Indicative drawing



Note Regarding Drawings

The drawings enclosed with this Tender Document are provided solely for the purpose of indicating the scope, intent, general layout and approximate dimensions of the proposed work. These drawings are **indicative/reference drawings only** and shall not be treated as "Good for Construction (GFC)" drawings.

The successful bidder/contractor shall execute the work strictly as per the **Good for Construction (GFC) drawings issued by IISERBPR**, detailed specifications of the tender, site instructions and site requirements issued by the Engineer-in-Charge during the execution of the work.

The Institute reserves the right to modify, revise, add, or delete any part of the drawings/designs as may be required during execution. No claim on account of any variation between the indicative drawings and the final GFC drawings shall be entertained, provided such variations are within the permissible limits of the contract.

The bidder is advised to visit the site and acquaint themselves with the existing conditions before quoting their rates.

PART-B

(Schedule of Quantities / PRICE BID)

Name of the work: Construction of Animal House Facility including Civil, Electrical and Allied Services at IISER Berhampur, Odisha.

SL No	Description	Qty	Unit	Rate (₹)	Total Amount for DSR & NSR Items (₹)
1	CIVIL				
1.1	EARTH WORK				
1.1 .1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	All Kinds of Soil	338.72	Cum	260.30	91,792.98
1.1 .2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
	In all kind of soils				
	Pipes, cables etc. exceeding 80 mm dia. But not exceeding 300 mm dia	30	Mtrs	352.15	10,998.81
1.1 .3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	281.64	Cum	196.00	57,470.77
1.1 .4	Supplying chemical emulsion in sealed containers including delivery as specified.				
	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	534.3	Litre	234.75	1,30,583.23
1.1 .5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion):				
a	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: 2.35.1.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	57.87	RM	38.90	2,343.69
b	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: 2.35.2.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	58.96	RM	53.45	3,280.97

c	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement: 2 Coarse sand) to match the existing floor: 2.35.3.1 With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	191.75	Sqm	310.05	61,896.68
d	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement: 2 coarse sand) to the full depth of the hole: 2.35.4.1 With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	78.92	RM	43.00	3,533.07
e	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	100	kilo litre	231.05	24,054.85
1.2	CONCRETE WORK				
1.2 .1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources)	24.10	Cum	8,340.85	2,09,304.80
	DAMP-PROOF COURSE				
1.2 .2	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 12.5 mm nominal size derived from natural sources)	191.75	sqm	410.85	82,019.84
	PLINTH PROTECTION				
1.3	REINFORCED CEMENT CONCRETE				
	Design Mix Concrete				
1.3 .1	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	All works upto plinth level				
a	Concrete of M30 grade with minimum cement content of 350 kg /cum	55.53	Cum	9,655.70	5,58,235.86
	All works above plinth level upto floor V level				

	Concrete of M30 grade with minimum cement content of 350 kg /cum	58.33	Cum	10,011.35	6,07,942.67
1.3	Form Work				
.2	Centering and shuttering including strutting, propping etc. and removal of form work for:				
a	Foundations, footings, bases of columns, etc. for mass concrete	54.24	Sqm	392.15	22,144.63
b	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	178.08	Sqm	842.50	1,56,200.23
c	Suspended floors, roofs, landings, balconies and access platform	118.31	Sqm	927.25	1,14,208.01
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers	101.18	Sqm	927.25	97,679.92
e	Columns, piers, abutments, pillars, posts and struts	201.85	Sqm	961.30	2,02,015.32
1.3	Steel Reinforcement				
.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more. Make: TATA, SAIL, JSW (Fy 500 grade)	15763.69	KG	107.85	17,70,005.16
1.3	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	184.00	m	78.40	15,018.64
1.4	MASONRY WORK				
1.4	Extra for providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	427.14	sqm	105.80	47,048.87
1.4	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in:				
	Cement mortar 1:4 (1 cement: 4 coarse sand)	24.211	Cum	9,333.45	2,35,259.15
1.4	Half brick masonry with non-modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth upto floor V level.				
	Cement mortar 1:4 (1 cement :4 coarse sand)	427.14	sqm	1,105.00	4,91,389.40
1.5	DOORS				
1.5	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
	Sal wood	1	cum	1,16,520.30	1,21,310.45
	Dash fastener / Chemical fastener	64	each	13.00	866.20
1.5	FLUSH DOOR				
.2	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				

1.5 .3	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.37	Sqm	2,392.65	10,885.72
1.5 .4	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	4.37	Sqm	462.35	2,103.53
1.5 .5	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS: 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete as per entire satisfaction and direction of Engineer-in-charge.	15	each	1,124.85	17,566.39
1.5 .6	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	15	each	998.35	15,590.88
1.5 .7	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete Single rubber stopper as per entire satisfaction and direction of Engineer-in-charge.	15	each	39.60	618.42
1.5 .8	Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).	17.25	m	1,709.25	30,696.67
1.5 .9	Providing and fixing 50 mm thick Pivoted fire resistant door shutters with glass panel of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, floor springs, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-in-charge (panelling to be paid for separately).	9.765	Sqm	7,533.20	76,585.82
1.5 .10	Providing and fixing Carben Steel galvanised (min 5 micron) dash fastener (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleeve. Size 10 mm x 120 mm	98	each	403.00	41,117.60

1.5 .11	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.125 mm	32	each	119.20	3,971.21
1.5 .12	Providing and fixing stainless steel tower bolts (barrel type) with necessary screws etc. complete: 200x10 mm as per entire satisfaction and direction of Engineer-in-charge.	16	each	93.00	1,549.17
1.6	STEEL WORK				
1.6 .1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	250	Kg	123.60	32,170.30
1.6 .2	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
	M.S. tube	150	Kg	196.80	30,733.57
1.7	FLOOR FINISHING				
	Tile flooring work				
1.7 .1	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero-chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, levelling system and rubber mallet for placing the tiles gently and easily.				
	Glazed Vitrified tiles Matt/Antiskid finish of size 600 X 600mm	271.59	Sqm	1,464.85	4,14,188.48
1.7 .2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	88.57	Sqm	1,893.90	1,74,630.21
	Size of Tile 600x600 mm				
1.8	ROOFING				
1.8 .1	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	4	Each	54.70	227.79
1.9	FINISHING				
1.9 .1	Providing and applying white cement-based putty of average thickness 1mm, of approved brand and	37.667	sqm	156.05	6,119.54

	manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.				
1.9 .2	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement: 6 fine sand).	158.94	sqm	518.55	85,808.98
1.9 .3	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	427.14	sqm	347.05	1,54,331.85
1.9 .4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	427.14	sqm	262.70	1,16,821.72
1.9 .5	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour: 13.41.1 New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	427.14	Sqm	185.65	82,557.87
1.9 .6	Finishing walls with ready mixed Premium acrylic emulsion paint (Company Depot Tinted) having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives. 13.48A.1 New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	37.667	Sqm	181.25	7,107.76
1.9 .7	Polishing on wood work with ready mixed wax polish of approved brand and manufacture:				
	New work	12	Sqm	197.65	2,469.30
1.9 .8	Extra for making 12mm groove in external Wall	176.8	Mtrs	76.30	13,489.84
2	PLUMBING				
2.1	SANITARY INSTALLATIONS				
2.1 .1	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2	Each	1,034.80	2,154.68
2.1 .2	Providing and fixing of vitreous china white below counter oval /circular wash basin with CP brass waste assembly, wall flanges, braided flexible pipe and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required complete in all respects.				
	Wash basin with a 15 mm CP Brass single hole/lever basin mixer	2	Each	6,978.00	13,956.00
2.1 .3	Providing and fixing Stainless Steel (SS304) Convertible Ring Grating of approved make & design with grating embedding and setting ring into the floor with cement mortar, complete in all respects.				
	Round 127 mm (for drain pipe 100 mm)	2	Each	785.00	1,570.00
	SOIL, WASTE, VENT AND RAIN WATER PIPES & FITTINGS				

2.1 .4	Providing, fixing, testing and commissioning of uPVC 6kg/cm ² pipe to IS:4985:2000 complete with all required fittings, clamps, jointing etc. including cutting, fixing of pipe to wall, ceiling/sunken floor etc. for Waste pipes, bath wastes, overflow, kitchen equipment waste connections and condensate drainage including cutting of brick/RCC wall wherever required and making good the same as, complete in all respect as per specification and direction of Engineer In-Charge.				
	40 mm outer dia	4	Mtrs	367.00	1,468.00
	75 mm outer dia	2	Mtrs	506.00	1,012.00
2.1 .4	Providing, fixing, jointing and testing of uPVC rain water pipes conforming to IS 4985 class III (6 kg/cm ²) including injection moulded fittings like bends, tees, adopters etc. suitable for rubber ring jointing complete including jointing with rubber ring as per manufacturer recommendation and fixing to walls with clamps complete in all respects as per specification and direction of Engineer in Charge.				
	110mm outer Dia	15	Mtrs	751.00	11,265.00
2.1 .5	Providing & fixing uPVC S or P Trap of self-cleansing design with or without vent arm with provision for connecting pvc inlet fitting complete including cost of cutting and making good the walls and floors wherever required, complete as per direction of Engineer in Charge.				
	100 mm inlet and 100 mm out let	1	Each	546.00	546.00
2.2	WATER SUPPLY				
2.2 .1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed & External work, including cutting chases and making good the walls etc.				
	15 mm nominal outer dia Pipes	5	Mtrs	497.80	2,591.32
	25 mm nominal outer dia Pipes	100	Mtrs	627.25	65,303.62
2.2 .2	Providing and fixing C.P. brass angle valve for basin mixer and geyser points etc. of approved quality conforming to IS:8931(Wall flange to be considered in this item)				
	15 MM Nominal Bore	10	Each	574.30	5,979.09
2.2 .3	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000	lte	11.00	11,452.21

2.2 .4	Providing and fixing forged brass lever operated ball valve of approved make, full flow with forged brass ball (with hard chrome plated), PTFE Gland Packing and Seating, Test Pressure (Hydrostatic): Shell: 25 kg/cm ² g (350 psig) Seat: 16 kg/cm ² g (225 psig) Maximum Working Temperature: 220°C complete in all respect.				
	25mm dia	5	Each	1,152.00	5,760.00
2.3	DRAINAGE				
2.3 .1	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) up to haunches of RCC pipes including bed concrete as per standard design				
	150 mm dia	50	Mtrs	743.10	38,682.44
2.3 .2	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete:				
	150 mm dia	50	Mtrs	556.45	28,966.28
2.3 .3	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
	For pipes 100 to 250 mm diameter	1	Each	810.45	843.77
2.3 .4	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement: 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design:				
	With common burnt clay F.P.S. (non-modular) bricks of class designation 7.5	10	Each	5,957.90	62,028.29
2.3 .5	Extra for depth beyond 45 cm of brick masonry chamber:				
	For 455x610 mm size				
	With common burnt clay F.P.S. (non-modular) bricks of class designation 7.5	10	Mtrs	6,117.00	63,684.70
2.4	WATER PROOFING				
2.4. 1	Providing and laying integral cement-based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645				

	and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge":				
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	192.8	sqm	1,684.60	3,38,143.03
3	ELECTRICAL				
	WIRING, SUBMAIN, CIRCUIT AND DB				
3.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular\ plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
a	Group C	35	Point	2,101.00	73,535.00
3.2	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
a	2x1.5 Sq.mm +1x1.5 Sq.mm	0	Mtrs	370.00	-
b	2x2.5 Sq.mm +1x2.5 Sq.mm	317	Mtrs	414.00	1,31,238.00
c	2x4.0 Sq.mm +1x4.0 Sq.mm	1100	Mtrs	476.00	5,23,600.00
d	2 x 6 sq.mm + 1 x 6 sq.mm. earth wire	44	Mtrs	652.00	28,688.00
3.3	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	88	Mtrs	39.00	3,432.00
3.4	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
a	20 mm	939	Mtrs	254.00	2,38,506.00
b	25 mm	505	Mtrs	289.00	1,45,945.00

c	32 mm	119	Mtrs	360.00	42,840.00
3.5	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	22	Each	47.00	1,034.00
3.6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
a	1 or 2 Module (75mmX75mm)	67	Each	354.00	23,718.00
3.7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	13	Each	545.00	7,085.00
3.8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	43	Each	659.00	28,337.00
3.9	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	14	Each	870.00	12,180.00
3.10	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box / wooden block including connections etc. as required	12	Each	104.00	1,248.00
3.11	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2	Each	112.00	224.00
	MCCB, MCB & DB'S				
3.12	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group C	32	Point	1,246.00	39,872.00
3.13	MDB PANEL - 1 No. 160amp 25 kA 4P TPN MCCB with adjustable thermal and adjustable magnetic release having overcurrent and short circuit protection with extended rotary Handle complete with. 3 Nos. LED Phase Indication Lamp 2 Nos. LED Indication Lamp (Red for ON and Green OFF) BUS BAR - Electrolytic high conductivity aluminium three phase and neutral busbars rated at 200 amps having interleaving design throughout having a maximum current density as per IEC 61439 suitable to with stand symmetrical fault level of 25 kA at 415 volts. The neutral busbar is to be of 50% capacity. OUTGOING UNITS - 1. 6 Nos. 63-amp 10 kA FP MCB 2. 4 Nos. 40-amp 10 kA FP MCB.	1	Each	66,721.00	66,721.00

3.1 4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
a	8 way (4 + 24), Double door	3	Each	10,724.00	32,172.00
b	12 way (4 + 36), Double door	1	Each	13,512.00	13,512.00
3.1 5	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	Single pole	78	Each	285.00	22,230.00
	Triple pole and neutral	0	Each	1,301.00	-
3.1 6	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	6	Each	14.00	84.00
3.1 7	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 A	2	Each	1,049.00	2,098.00
b	63 A	2	Each	1,115.00	2,230.00
3.1 8	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 A	6	Each	2,512.00	15,072.00
b	63 A	6	Each	2,866.00	17,196.00
	CABLE TRAY				
3.1 9	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
a	150 mm width X 50 mm depth X 1.6 mm thickness	55	Mtrs	803.00	44,165.00
3.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2	Each	7,658.00	15,316.00
3.2 1	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set	15,004.00	30,008.00
	EARTHING				
3.2 2	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	55	Mtrs	287.00	15,785.00

3.2 3	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	165	Metre	84.00	13,860.00
3.2 4	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	55	Metre	50.00	2,750.00
	Note: Earthing strip continuity test/loop impedance test is mandatory under CPWD specifications and the test report is to be submitted & verified by the Engineer in charge.				
	MV CABLE LAYING				
3.2 5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
a	Upto 35 sq. mm	297	Mtrs	453.00	1,34,541.00
	MV CABLE JOINTING & END TERMINATION				
3.2 6	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a	4 X 10 sq. mm (25mm)	4	Each	696.00	2,784.00
b	4 X 16 sq. mm (28mm)	2	Each	720.00	1,440.00
c	3½ X 35 sq. mm (32mm)	2	Each	851.00	1,702.00
3.2 7	Supply of aluminium conductor, XLPE insulated, armoured, PVC sheathed cable, 1100V grade, at depth of 750mm below ground level including excavation and refilling the trench over a cushion of 75mm thick sand around and protected with burnt bricks on sides and on top as directed by the Engineer-In charge, complete in all respects. The armouring of the cable shall be properly connected with the earth conductor by clamps etc. The cable shall be laid by boring the road as required and compaction of soil & repairing of surface in prior shape shall be done properly.				
a	4 core 10 sq. mm	165	Mtrs	696.00	1,14,840.00
b	4 core 16 sq. mm	55	Mtrs	720.00	39,600.00
c	3.5 core 35 sq. mm (main incomer cable)	77	Mtrs	851.00	65,527.00
3.2 8	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value 63 DELHI SCHEDULE OF RATES (E&M)-2025(CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.				

a	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	12	each	2,696.00	32,352.00
3.2 9	Supply of 450 mm sweep, exhaust fan all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	4	each	8,071.00	32,284.00
	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. 1.50.1 Upto 450 mm sweep	4	each	450.00	1,800.00
3.3 1	Providing and fixing with efficiency (30-degree Celsius temp rise) CAP 25 LTR online electric water geyser of, 50 cycles with complete fittings as per requirement.	1	each	17,161.00	17,161.00
	SUPPLY & INSTALATION OF LIGHT FIXTURE, CEILING FAN & EXHAUST FAN				
3.3 2	Supplying, Installation, Testing & Commissioning of LED Recessed/ surface Down lighter (Round/ square/ Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -50C to 400C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F. $\geq$ 0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free (flicker should be below 5%), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K /4000°K / 5700°K / 6500°K (As per ANSI Bin), SDCM (Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be confirming to relevant BIS standards. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing Complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5-year OEM warranty. System lumen efficacy $\geq$ 105 and <120 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C) Powder coated die cast /Extruded aluminium Body including trim				
a	8 - 10 watt	13	Each	624.00	8,112.00
b	12 -15 watt	53	Each	715.00	37,895.00
	EXTERNAL LIGHTING				
3.3 3	SITC of UPLIGHTER Light	22	Nos.	5,937.00	1,30,614.00
3.3 4	SITC of 2 way Up down lighter	13	Nos.	10,078.00	1,31,014.00

	Supplying, installation, Testing & Commissioning of following capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for 30 minutes back up (Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time) on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch along with provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant International standards such as IEC/EN/VDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (ITHD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost), extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1) however UPS shall be suitable to take load at 0.7 lagging to 0.7 leading power factor loads. UPS shall be suitable for incoming supply AC single phase 160-270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute. Operating temperature 0 to 40 0C, Relative humidity 0-95% non-condensing, noise level less than 60db at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, shortd. circuit, battery deep discharge, 10 KV surge. Display for watt/VA, Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3). The UPS should be with IGBT Based Inverter Technology, Communication RS232/ RS485/ SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accessories are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location etc.				
	6KVA	1	Nos.	1,09,793.00	1,09,793.00
4	FIRE ALARM SYSTEM				

4.1	Supplying, Installation, testing and commissioning of microprocessor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non-volatile memory (EPROM), power supply unit (230 $\pm$ 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories. The panel shall be compatible for 18MS system with open protocol Bacnet/ Modbus over IP complete as per specifications.				
a	Two Loop Panel	1	Pcs.	2,50,420.00	2,50,420.00
4.2	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	33	No's	3,004.00	99,132.00
4.3	Supplying. Installation, testing & commissioning of on response indicator surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	17	No's	306.00	5,202.00
4.4	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	2	No's	3,434.00	6,868.00
4.5	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	2	No's	2,787.00	5,574.00
4.6	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	2	No's	4,063.00	8,126.00
4.7	Supplying. Installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (including 6 zone buttons paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required	1	No's	1,32,115.00	1,32,115.00
4.8	Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required.	4	No's	1,025.00	4,100.00
4.9	Supplying, installation, testing & commissioning of digital audio amplifier 75 Watt, 25V oms operating at 240 Volt AC Supply complete as required.	1	No's	1,52,368.00	1,52,368.00
4.1	Supplying, Installation, testing & commissioning of Voice command keypad á zone, with microphone assembly complete as required.	1	No's	85,450.00	85,450.00
4.1 1	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	429	Metre	192.00	82,368.00
4.1 3	Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.	110	Mtrs	51.00	5,610.00
4.1 4	speaker cable Single pair, 2-core, 1.5 sqmm				

4.1	Supplying and fixing 25 mm dia MS flexible pipe with	224	Mtrs	60.00	13,440.00
5	PVC coating along with all ancillaries and accessories like coupler etc. as required.				
a	Providing and fixing of self-illuminated / auto glow "EXIT" signs printed on photoluminescent sheet containing self-illuminated base chemical, of appropriate size not less than 400 x 150 mm, suspended from ceiling or fixed to the walls with accessories as required and as directed at site.	2	Each	2,109.00	4,218.00
5	CCTV				
5.1	Supplying Installation Testing and Commissioning of 2 MP IP IR Dome Camera having following specifications, type of lens and features etc: - 1) Signal System: PAL/NTSC, Signal to Noise Ratio: >50 dB, Camera should display Camera title, Date & Time in live & recorded video 2) Image Sensor: 1/2.8" or better progressive Scan CMOS to get color image even at night condition (Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking. 3) Compression (Minimum): -Video: - H.265 or better, H.264H, H.264, Audio: - G.711U/A, G.711Mu, G.726, AAC, G.723 4) Wide Dynamic Range: - WDR (120db or more) 5) Digital Noise Reduction: - DNR (3D) On/Off 6) Video Streaming & Frame Rates: - Triple streaming, configurable (Main stream: 2MP (1920 x 1080) @25/30 fps, Sub streams minimum: 720P@25/30 fps). 7) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection 8) Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, syslog, video encryption, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot. 9) Onboard Storage: Camera should support built-in Micro SD/SDHC/SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card 10) Recording Management: Format SD, overwrite, storage management, video to NAS device 11) Alarm Trigger: Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection 12) Network Protocol: SFTP, IPv6, IPv4, DNS, RTP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast 13) System Capability: ONVIF, Camera shall support open-source VMS 14) Ethernet: 1 RJ 45 10/100 Ethernet port				

	15) Audio: It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement. 16) Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source. 17) Power Requirement: 12VDC/24 VAC/PoE (802.3af)/ePoE 18) Housing/ Enclosure: - IP67 weather proof, IK10, Metallic body 19) Operating Condition: - Ambient Temperature: - (-) 05°C to 50°C, humidity 95% (max) (non-condensing) 20) IR life: 40000 hours or higher 21) Video Bit rate: 32 KBPS - 8 MBPS or better 22) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS				
	2MP @ 25/30fps@1080P (1920×1080) Dome Camera with 2.7 to 4 mm ~12 to 13.5mm or better Varifocal Motorized lens	23	Each	19,796.00	4,55,308.00
5.2	32 Channel Network Video Recorder (NVR) having display split: - Main screen: 1/4/8/9/16/25/32(36), 2nd screen: 1/4/8/9/16	1	Each	64,784.00	64,784.00
5.3	24 port PoE Layer 2 Network Switch with PoE Support of 370W or higher with each copper port supporting 802.3at PoE+ min	1	Mtrs	1,25,393.00	1,25,393.00
5.4	Supplying, Installation, Testing and Commissioning of following size LED display (LED monitor) industrial grade with 3840x2160 resolution or better, USBplayback, Bluetooth and Miracast connectivity, 4X HDMI 2.0, DP 1.2, HDR 10/10+, brightness: 500-nits or better, Video wall mode should be available, contrast ratio: 1200:1, OPS slot, viewing angle (H/V): 170°/170°, response time less than 12ms, Display control shall be on monitor screen and programmable with remote (remote shall be supplied with system), Key Board, Optical Mouse, etc. as required.				
a	55 inch or larger	1	Each	82,057.00	82,057.00
5.5	Supplying, Installation, Testing and Commissioning following capacity Surveillance grade Hard Disk with upto 256MB/s Transfer Rate, 256 MB Cache, 7200 RPM Disk Speed, 3.5-inch form factor, SATA Interface, BSMI, ICES-003/NNB-003, CE, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB-Scheme, TUV, UL Certifications.				
	4TB (Terabytes)	1	Each	13,943.00	13,943.00
5.6	Supplying, drawing, Installation, Testing and commissioning of CAT6 UTP LSZH 23AWG Twisted Pair Cable in existing conduit/ on surface, Category 6 unshielded Twisted Pair, 4 pair should be complied as per UL/ETL verification program for compliance with ANSI/TIA-568.2-D standard. Outer diameter should be in the range of 6.1mm nominal with Operating Temperature Range: -5° to +60°C, Bending Radius: < 4 X Cable Diameter at -5°C ± 1°C and Pulling Force: 11.5Kg etc. complete as required				
	1 Run of cable	525	Mtrs	60.00	31,500.00

6	DATA & TELEPHONE NETWORK				
6.1	Supplying, Installation, Testing and commissioning of CAT6 Copper Information Outlet (IO) with face plate of color as per site requirement, should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D. All copper Cable and Components should be from same OEM to maintain compatibility and interoperability etc. complete as required.	10	Nos	212.00	2,120.00
6.2	Supplying, installation, Testing and commissioning of following capacity 8 port PoE Layer 2 Industrial Grade outdoor Network Switch having features and specifications etc. as mentioned here under: At least 8 X RJ-45 PoE/PoE+ Gigabit Ethernet Ports and additional 4 X 1G SFP Ports with non-blocking architecture by having Switching capacity of min 24Gbps and packet forwarding rate of 17Mpps or higher, console port, 16K MAC table, IPv4 and IPv6 ready, IGMP snooping v1, v2, v3, DHCP, DHCP Relay, NTP/SNTP, SNMPv1, v2 C v3, TELNET/ SSH, LACP, STP, RSTP, MSTP, ERPS. VLAN: Port based, Mac based, IP subnet based, tag based, protocol based. Q- in Q, L2/L3 ACL, 1588v2 Precision Time Protocol HW Based E2E Transparent clock, SNTP, TFTP, SNMP, Radius, Syslog. Dual DC Power input, IP30 rated, DIN Rail, -5° to 70° C operating temperature. Certificate: UL, CE, FCC, NEMA-TS2, IEC/MIL-STD for Shock, Vibration & Drop Certificate. OEM Should have Certificate for Industrial Cyber Security Capability IEC- 62443-4-1:2018, ISO 45001, ISO 27001 and ISO 14001 Certified or Equivalent Indian Certificate. OEM/Product must be on Trusted Telecom Portal of Department of Telecommunication, Government of India etc. complete as required	1	Nos	1,06,678.00	1,06,678.00
6.3	Supplying, drawing, Installation, Testing and commissioning of CAT6 UTP LSZH 23AWG Twisted Pair Cable in existing conduit/ on surface, Category 6 Unshielded Twisted Pair, 4 pair should be complied as per UL/ETL verification program for compliance with ANSI/TIA-568.2-D standard. Outer diameter should be in the range of 6.1mm nominal with Operating Temperature Range: -5° to +60°C, Bending Radius: < 4 X Cable Diameter at -5°C ± 1°C and Pulling Force: 11.5Kg etc. complete as required				
6.4	2 Run of cable	110	Mtrs	96.00	10,560.00
7	AC				
7.1	MACHINERY				
	Hi-Wall Split AC System				
	Supplying , Installation, Testing and Commissioning of Air Cooled Hi Wall split type Air conditioners complete with Indoor unit(IDU), Outdoor unit (ODU), surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 3.5 Mtr (IDU to ODU) i/c drain pipe R-32/R-410/ R-407 Green Refrigerant, wireless Remote control, suitable for working between 180 260V with low & high voltage cutoff and 50 hz ,1 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / rotary compressor. The system shall be able to deliver 100% of the rated capacity				

	upto 42 0C. Min 5-year Original Equipment Manufacturer (OEM) warranty both compressor and Printed Circuit Board (PCB). Must comply: Electrical cable IS 694 or IS 9968 temperature sensing control IS /International Electrotechnical Commission (IEC) 60730, hermetic compressor IS 10617, heat exchanger IS 11329, capacitor IS 2993 and motor IS 12615. Complete as per CPWD specification and IS: 1391 Part II 2023. The system shall be able to operate up to 50 0C (outdoor ambient temperature).				
	Inverter Type - Cooling only				
	1.0 TR with 5 Star BEE Rating	3	Nos	40,580.00	1,21,740.00
	1.5 TR with 5 Star BEE Rating	8	Nos	43,539.00	3,48,312.00
7.2	Providing and fixing of Air Curtain of following sizes having automated magnetic or mechanical sensor operation. Air curtain having ABS body sealed to resist dust. The blowers made of high quality to ensure less noise with toughness intensified high quality motor, low noise, overload protection, motor of suitable HP, 2100/2700 RPM, single phase.				
	900mm wide	1	Nos	22,951.00	22,951.00
	Total Civil (DSR+NSR)				70,93,336.00
	Total Electrical (DSR+NSR)				46,96,477.00
	Total Value for work (Civil+ Electrical)				1,17,89,813.00
(Rupees One Crore Seventeen Lakh Eighty-Nine Thousand Eight Hundred Thirteen Only)					
Bidder to quote in percentage (above/below) Estimated Cost in ₹(____%)					
Total Amount					
Total Amount in words: (Rupees _____ only).					

Note:

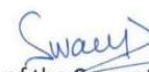
The quoted rates are inclusive of all taxes (including GST), transportation, installation, labour, and all incidental charges required for complete execution of the work. No extra payment shall be admissible on any account, and no additional payment shall be made for any kind of wastage. The rates shall remain firm during the contract period.

MANDATE FORM FOR INSTITUTE REVENUE ACCOUNT

1	PFMS unique code	ORGN00013874
2 (i)	Agency Name (Name of the Institute)	Indian Institute of Science Education and Research Berhampur
2 (ii)	Agency Type (statutory Bodies/Autonomous/NGO/Society etc)	Registered Societies Act (Government Autonomous Body)
2 (iii)	Hierarchy of Agency (Central/State/District/Block/Tahsil/Panchayat/Village)	Central
2 (iv)	Act/Registration No	GJMNO 8628-08
2 (v)	Date Of Registration	18-10-2016
2(vi)	Registering Authority	Society Registration Act (XXI of 1860)
2 (vii)	State of Registration	Odisha
3	TIN No	-
4	TAN No	BBNI01150C
5	Complete Contact Address of the Agency	
5(i)	Block No/Building/Name of Premises	ITI premises, NH_59, Berhampur, Ganjam, Odisha-760010
5(ii)	Road/Street/Post office	Engineering school road, NH-59
5(iii)	Area/Locality	Berhampur
5(iv)	City/District	Berhampur
5(v)	State	Odisha
5(vi)	Pin code	760010
6	Contact person	Swarup Narayan Behera
6(i)	Designation	Assistant Registrar
6(ii)	Phone Number (Land Line)	0680-2227783
6(iii)	Alternate Phone No/Mobile No	8763258390
6(iv)	Official E-mail address	fna@iiserbpr.ac.in
7	Bank account detail	
7(i)	Institution's Account Name	IISER BERHAMPUR REVENUE ACCOUNT
7(ii)	Account No	37927733884
7(iii)	IFSC code	SBIN0000033
7(iv)	Bank Name (in full)	State Bank Of India
7(v)	Branch Name	Berhampur Main Branch
7(vi)	Branch Address	Utkal Ashram Road, Berhampur-760001
7 (vii)	Account Type	Current

Certified that the Institute's account is an RTGS/ECS/NEFT enabled branch. I hereby declare that the particulars given above are correct and complete. The above Agency's Account No. and bank details are registered/mapped under PFMS.

Date: - Dec 21, 2023


 Signature of the Competent Authority
 of the Agency with seal

Certified that the particulars furnished above are correct as per our records

Date: - Dec 21, 2023


 Signature of the Authorised Bank Official with seal
 Asst. Gen. Manager
 Berhampur, Ganjam (0033)