

Tender for Work for establishing OT Store and Extension of Blood Bank in Old CSSD Area of D&T OT Building at AIIMS Jodhpur

N.I.T. No.	AIIMS-JDH/EE/CIVIL/2023-24/10
NIT Issue Date	28 th August, 2023
Pre Bid Meeting	04 th September, 2023 at 03:00 PM
Last Date of Online Submission of tender	11 th September, 2023 upto 03:00 PM
Technical Bid Opening	12 th September, 2023

Tender Document may be downloaded from following websites
www.aiimsjodhpur.ac.in, <http://eprocure.gov.in>, tenders.gov.in



All India Institute of Medical Sciences, Jodhpur

Basni Phase – II, Jodhpur – 342005, Rajasthan

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Executive Engineer (C)
AIIMS, Jodhpur

NOTICE INVITING TENDER

S. No.	Particular	Remarks
1.	Name of work	Work for establishing OT Store and Extension of Blood Bank in Old CSSD Area of D&T OT Building at AIIMS Jodhpur
2.	Tender No.	AIIMS-JDH/EE/CIVIL/2023-24/10
3.	Stipulated period for completion of work	90 days
4.	Estimated Cost	₹. 80,80,399.00
5.	Earnest Money Deposit	₹. 1,62,000.00
6.	Tender documents	Download from following websites- www.aiimsjodhpur.edu.in http://eprocure.gov.in
7.	Date of Pre bid meeting	04 th September, 2023 on 3.00 pm at Medical College, AIIMS Jodhpur
8.	Last date and time of online submission of tender	11 th September, 2023 upto 3.00 pm
9.	Date of online technical bid opening	12 th September, 2023

❖ **Bidders may please read carefully the notes given with the tender Notice.**

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Definitions:

- (i) “Client” means The Executive Director, AIIMS- Jodhpur.
- (ii) “Institute” means All India Institute of Medical Sciences, Jodhpur
- (iii) “Engineer-In-Charge” means Executive Engineer (Civil), AIIMS- Jodhpur.
- (iv) “Contractor / service provider / bidder” means the individual or the firm providing operation and maintenance services incorporated in the contract
- (v) “e-Tender” means Tender received from a Firm / Tenderer / Bidder.
- (vi) “e-Tenderer” means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender
- (vii) “Goods” means the articles, material, fixtures, raw material, spares, instruments, machinery, equipment, industrial plant etc. which the contractor is required to be installed under the contract.
- (viii) “Work” means Work for establishing OT Store and Extension of Blood Bank in Old CSSD Area of D&T OT Building at AIIMS Jodhpur.
- (ix) “Earnest Money Deposit” (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- (x) “Contract” means the written agreement entered into between the Client and/or Contractor/ together with all the documents mentioned therein and including all attachments, annexure etc. therein.
- (xi) “Performance Guarantee or PG” means monetary or financial guarantee to be furnished by the successful tenderer for due Performance of the contract placed on it.
- (xii) “Security Deposit” means the amount deducted from the respective bills for works.
- (xiii) “Specification” means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xiv) “Inspection” means activities such as measuring, examining, testing of the product or service and comparing the same with the specified requirement to determine conformity.
- (xv) “Day” means calendar day.

Abbreviations:

- (i) “TE Document” means Tender Enquiry Document
- (ii) “NIT” means Notice Inviting Tenders.
- (iii) “EMD” means Earnest Money Deposit
- (iv) “GCC” means General Conditions of Contract
- (v) “SCC” means Special Conditions of Contract
- (vi) “TS” means Technical Specifications
- (vii) “NSIC” means National Small Industries Corporation
- (viii) “LSI” means Large Scale Industry
- (ix) “SSI” means Small Scale Industry
- (x) “PBG” means Performance Bank Guarantee
- (xi) “GST” means Goods and Services Tax
- (xii) “FOR” means Free on Rail
- (xiii) “MOH&FW” means Ministry of Health & Family Welfare, Government of India
- (xiv) “EOT” means Extension of Time

All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute established by an Act of Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites **Percentage based** Online bids in two bid system for the works pertains to **Work for establishing OT Store and Extension of Blood Bank in Old CSSD Area of D&T OT Building at AIIMS Jodhpur.**

Instructions for the Bidder/ the service provider: -

1. **Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.**

2. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class II or III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at 0291-2740741.

3. **Bidder/Service Providers are advised to follow the instructions provided in the 'Instructions to the service providers/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>'.**

Bid documents may be scanned with 100 dpi with black and white **option** which helps in reducing size of the scanned document.

4. **Criteria of Eligibility:**

Enlisted contractors of appropriate class & category of CPWD/ MES/ Railways/ PWD(Raj.)/ PHED(Raj.)/ Equivalent Central or State Government Organization who fulfills the following requirements shall be eligible to apply, Joint ventures are not accepted: Three similar works each of value not less than 40% of the estimated cost put to Tender or Two similar works each of value not less than 60% of the estimated cost put to Tender or One similar works each of value not less than 80% of the estimated cost put to Tender within last 07 years **up to July-2023.**

Note: Completion certificate (along with documents of work done) has to be attached.

"Similar works means Construction/Repair/Renovation of building works in which both Civil & Electrical works are included."

5. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to the last date of previous month in which bids are received.
6. Performance guarantee equal to 3% of the contract value is required to be submitted within **07 days** from the date of issue of notification of award. The same shall be valid for **180 days**.
7. An amount equals to 5% of amount billed shall be withhold being Security from the GST bills and released only after successful completion of works as per specifications/ norms.
8. **Turnover:** Average annual financial turn over should be at least **50%** of the estimated cost during the immediate last **3 Consecutive Financial Years**.
9. Earnest Money Deposit: The EMD ₹ **1,62,000.00 (Rupees One Lac Sixty Two Thousand Only)** shall be deposited in favor of "All India Institute of Medical Sciences, Jodhpur", Payable at Jodhpur, the same will be allowed with validity up to 180 days and of any Scheduled Bank.

- The Firms registered with Micro Small Medium Enterprises (MSME) / National Small Industries Corporation (NSIC) / OR Small-Scale Industries (SSI) are exempted to submit the EMD only (Copy of registration must be provided along with technical bid). **No other relaxation shall be allowed.**
- The EMD of the unsuccessful Bidders shall be refunded by after finalization of the tender.
- The EMD of L1 bidder will be released after receipt of Performance guarantee only.
- **No interest will be payable by AIIMS, Jodhpur on the EMD.**
- The Hard Copy of original instruments in respect of earnest money deposit must be delivered to the AIIMS, Jodhpur on or before the last date of submission of bid. The bid submitted without EMD will be summarily rejected.

10. Submission of Tender:

The tender shall be submitted online only in two parts, viz. Technical Bid and Financial Bid on CPP portal. The Tender Acceptance Certificate must be signed and submitted along with the documents before uploading.

- ✓ *The offers submitted by e-mail shall not be considered. No correspondence will be entertained in this matter.*

11. Tender documents:

I. Technical Bid:

The following documents are to be furnished by the bidder along with **Technical Bid** as per the tender document:

- a) Similar works Completion certificate (along with documents of work done) from Client Departments (Ref. Clause-4: Criteria of eligibility)
- b) Proof of EMD submitted or exemption under MSME registration.
- c) Copy of Income Tax Return Acknowledgement for last Three consecutive financial years.
- d) Certificate of Financial Turn over: At the time of submission of bid contractor should upload Certificate from CA mentioning Financial Turnover of last 3 consecutive financial years.
- e) Copy of PAN Card.
- f) Copy of GST Registration.
- g) Certificates as per Annexure-I to VI.

II. Financial Bid

- a) Price bid Form [As per Annexure-VIII duly filled and signed] – Price must be quoted as per format specified; failing which tender shall be summarily rejected.

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GENERAL CONDITIONS OF CONTRACT**CLAUSE 1****Performance Guarantee**

- (i) The contractor shall submit an irrevocable Performance Guarantee of 3% (Three percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for its proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in performa of Schedule from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in performa of schedule on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Performance Guarantee by any scheduled bank or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
- (ii) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
- (iii) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the Executive Director, AIIMS, Jodhpur is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
- Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
 - Failure by the contractor to pay the Client any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
- (iv) In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Executive Director, AIIMS- Jodhpur.

CLAUSE 2**Compensation for delay**

If the contractor fails to complete the work within stipulated time of completion or approved extension of time and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the authority specified in performa of schedule (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/month (as applicable) that the progress remains below that specified in Clause 5 or that the work remains incomplete. This will also apply to items or group of items for which a separate period of completion has been specified.

- (a) Compensation for delay of work @ 1.5 % per month of delay to be computed on per day basis. Provided always that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Tendered Value of work or of the Tendered Value of the item or group of items of work for which a separate period of completion is originally given. The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or

any other contract with the Government. In case, the contractor does not achieve a particular milestone mentioned in **performa of schedule** the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of Extension of Time. With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.

CLAUSE 2A

When Contract can be Determined: -

Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

- (i) If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or un-workman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- (ii) If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.
- (iii) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.
- (iv) If the contractor persistently neglects to carry out his obligations under the contract and/ or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
- (v) If the contractor shall offer or give or agree to give to any person in Government service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Government.
- (vi) If the contractor shall enter into a contract with Government in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Engineer-in-Charge.
- (vii) If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement.
- (viii) If the contractor being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.

- (ix) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- (x) If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
- (xi) If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer –in-Charge. When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the Director, AIIMS, Jodhpur shall have powers:
- (a) To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, the Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Government
- (b) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.
- In the event of above courses being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

CLAUSE 3

In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case contractor wants to close the contract, he shall give notice to the department stating the failure on the part of department. In such eventuality, the decision for refund of Performance Guarantee shall be of the Executive Director, AIIMS- Jodhpur and final & binding on the contractor.

CLAUSE-4

Contractor Liable to pay compensation even if action not taken under CLAUSE-3: -

In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be

final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

CLAUSE 5

Time and Extension for Delay: -

The time allowed for execution of the Works as specified in the performa of schedule or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in performa of schedule or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely.

CLAUSE 6

Measurements of Work Done: -

Engineer-in-Charge shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done. All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract.

All measurements and levels shall be taken jointly by the Engineer-in-Charge or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels.

Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available, then a mutually agreed method shall be followed.

Engineer-in-Charge or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded by contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed. Otherwise, the same shall be deducted from the final bill or PG or SD.

CLAUSE 7

Payment-

The Engineer-in-Charge in his sole discretion on the basis of a certificate from the authorized representative of Engineer-In-charge to the effect that the work has been completed. The payment shall be made for the work on the basis of completion of atleast 50% of the tendered amount. The final bill which shall be submitted according to the subsequent Clause-9 (**Payment of final bill**) of GCC.

CLAUSE 8

Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within thirty days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect in the work, shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution; thereof, and not until the work shall have been measured by the Engineer-in-Charge. If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Engineer-in-Charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

CLAUSE 9**(Payment of final bill)**

The final bill shall be submitted by the contractor in the same manner as specified in interim bill within as and when the physical completion of the work or within 10 days of the completion of work. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period specified here in under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized representative.

CLAUSE 10

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Central Public Works Department specified in Performa of schedule or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

CLAUSE 10A

The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Government The contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge samples of materials to be used on the work

and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if required by the Engineer-in-Charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials. The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-In-Charge or his authorized representative(s) shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access. The Engineer-in-Charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Engineer-in-Charge shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

CLAUSE 11

Work to be Executed in Accordance with Specifications, Drawings, Orders etc.

The contractor shall execute the whole and every part of the work in the most substantial and workman like manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Central Public Works Department specified in Performa of schedule or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

CLAUSE 12

Deviation/Variations Extent and Pricing

The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be

carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.

A. For Project and original works:

In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and the engineer-in-charge shall within prescribed time limit of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

In the case of Extra Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plus cost index (at the time of tender) plus/minus percentage above/below quoted contract amount.

Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate

Deviation, Substituted Items, Pricing

For Project and original works:

In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.

If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

Deviation, Deviated Quantities, Pricing

For Project and original works:

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in peforma of schedule, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

A. For Project and original works:

The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in peforma of schedule, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

Any operation incidental to or necessarily has to be in contemplation of tenderer while filing. Tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

CLAUSE 13

Foreclosure of contract due to Abandonment or Reduction in Scope of Work

If at any time after acceptance of the tender, Engineer-in-charge shall decide to abandon reduce the scope of the works for any reason whatsoever and hence not require the whole any part of the works to be carried out, the Engineer-in-Charge shall give notice in writing that effect to the contractor and the contractor shall act accordingly in the matter shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works. The contractor shall be paid at contract rates, full amount for works executed at site and, in addition, a reasonable amount as certified by the Engineer-in-Charge for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure.

Government shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided, however Government shall be bound to take over the materials or such portions thereof as the contractor does not desire to retain. For materials taken over or to be taken over by Government, cost of such materials as detailed by Engineer-in-Charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.

Clause 14

Carrying out part work at risk & cost of contractor

If contractor:

At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Engineer-in-Charge. The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to:

- (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
- (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.

The Engineer-in-Charge shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by Government because of action under this clause shall not exceed 10% of the tendered value of the work.

In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original

contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor.

The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the department are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor. Any excess expenditure incurred or to be incurred by Government in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by Government as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Government in law or per as agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.

In the event of above course being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

CLAUSE 15

Suspension of Work

(i) The contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:

(a) On account of any default on the part of the contractor or;

(b) For proper execution of the works or part thereof for reasons other than the default of the contractor; or

(c) For safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineering- Charge.

If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:

the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;

If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as the Engineer-in- Charge may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within fifteen days of the expiry of the period of 30 days.

If the works or part thereof is suspended on the orders of the Engineer-in-Charge for more than three months at a time, except when suspension is ordered for reason (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on the Engineer-in-Charge requiring permission within fifteen days from receipt by the Engineer-in-Charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by Government or where it affects whole of the works, as an abandonment of the works by Government, shall within ten days of expiry of such

period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the contractor treating the suspension as an abandonment of the contract by Government, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer-in-Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within 30 days of the expiry of the period of 3 months.

CLAUSE 16

Action in case Work not done as per Specifications

All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-In-charge, his authorized subordinates in charge of the work and all the superior officers of the Institute and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in the schedule may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

CLAUSE 17

Contractor Liable for Damages, defects during defect liability Period

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months (six months in the case of work costing Rs. Ten lacs and below except road work) after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of twelve months (six months in the case of work costing Rs. Ten lakhs and below except road work) after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

CLAUSE 18

Contractor to supply tools & plants etc.

The contractor shall provide at his own cost all materials, machinery, tools & plants required. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the

contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-Charge at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portion thereof.

CLAUSE 20

All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer-in-Charge who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

CLAUSE 21

Work not to be sublet. Action in case of solvency

The contract shall not be assigned or sublet without the written approval of the Engineer-in-Charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any public officer or person in the employ of Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge on behalf of the Director, AIIMS, Jodhpur shall have power to adopt the course specified in Clause 3 hereof in the interest of Government and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.

CLAUSE 22

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Government without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

CLAUSE 23

Changes in firm's Constitution to be intimated

Where the contractor is a partnership firm, the previous approval in writing of the Engineering-Charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern, such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the preceding clauses.

CLAUSE 25

Settlement of Disputes & Arbitration

Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or

after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Engineer-in-Charge in writing for written instruction or decision. Thereupon, the Engineer-in-Charge shall give his written instructions or decision within a period of one month from the receipt of the contractor's letter.

If the Engineer-in-Charge fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Engineer-in-Charge, the contractor may, within 15 days of the receipt of Engineer-in-Charge decision, appeal to the Director AIIMS, Jodhpur who shall afford an opportunity to the contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The Director AIIMS, Jodhpur shall give his decision within 30 days of receipt of contractor's appeal. If the contractor is dissatisfied with the decision of the Director AIIMS, Jodhpur the contractor may within 30 days from the receipt of the Director AIIMS, Jodhpur decision, appeal before the Dispute Redressal Committee (DRC) along with a list of disputes with amounts claimed in respect of each such dispute and giving reference to the rejection of his disputes by the Director AIIMS, Jodhpur .The Dispute Redressal Committee (DRC) shall give his decision within a period of 90 days from the receipt of Contractor's appeal. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in performa of schedule. If the Dispute Redressal Committee (DRC) fails to give his decision within the aforesaid period or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC), then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), give notice to the Director AIIMS, Jodhpur for appointment of arbitrator on prescribed proforma as per Appendix XV, failing which the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.

It is a term of contract that each party invoking arbitration must exhaust the aforesaid mechanism of settlement of claims/disputes prior to invoking arbitration.

Except where the decision has become final, binding and conclusive in terms of Sub Para (i) above, disputes or difference shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Director AIIMS, Jodhpur, in charge of the work. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Director AIIMS, Jodhpur of the appeal.

It is also a term of this contract that no person, other than a person appointed by such Director AIIMS, Jodhpur, as aforesaid, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

It is also a term of this contract that if the contractor does not make any demand for appointment of arbitrator in respect of any claims in writing as aforesaid within 120 days of receiving the intimation from the Engineer-in-charge that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Government shall be discharged and released of all liabilities under the contract in respect of these claims.

The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases where the total amount of the claims by any party exceeds Rs. 1,00,000/-, the arbitrator shall give reasons for the award.

It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties.

It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

CLAUSE 26

Contractor to indemnify Govt. against Patent Rights

The contractor shall fully indemnify and keep indemnified the Director, AIIMS, Jodhpur against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against Government in respect of any such matters as aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom provided that the contractor shall not be liable to indemnify the Director, AIIMS, Jodhpur if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

CLAUSE 28

Action where no Specifications are specified

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications / CPWD specifications. In case there are no such specifications in Bureau of Indian Standards Specifications / CPWD specifications, the work shall be carried out as per manufacturers' specifications, if not available then as per any of the government specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

CLAUSE 29

Withholding and lien in respect of sum due from contractor

Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge or the Government shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Engineering- Charge or the Government shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Engineer-in-Charge or the Government shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Engineer-in-Charge of the Government or any contracting person through the Engineer-in-Charge pending finalization of adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in-Charge or Government will be kept withheld or retained as such by the Engineer-in-Charge or Government till the claim arising out of or under the contract is determined by the arbitrator (if the contract is governed by the arbitration clause) by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the

contractor is a partnership firm or a limited company, the Engineer-in-Charge or the Government shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise

Government shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for Government to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Government to the contractor, without any interest thereon whatsoever.

CLAUSE 29A

Lien in respect of claims in other Contracts

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the Government will be kept withheld or retained as such by the Engineer-in-Charge or the Government or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

CLAUSE 33

Levy/Taxes payable by Contractor

GST shall be paid to the contractor on actual basis after submission of GST invoice. Any other taxes or duties shall be borne by the contractor only and it will not be entertained by AIIMS- Jodhpur.

CLAUSE 35

Termination of Contract on death of contractor

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer-In-charge on behalf of the Executive Director, AIIMS, Jodhpur shall have the option of terminating the contract without compensation to the contractor.

CLAUSE 36

If relative working in AIIMS, Jodhpur then the contractor not allowed to tender.

The contractor shall not be permitted to tender for works in the AIIMS, Jodhpur (Division in case of contractors of Horticulture/Nursery categories) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the AIIMS, Jodhpur. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department. If however the contractor is registered in any other department, he shall be debarred from tendering in AIIMS, Jodhpur for any breach of this condition.

NOTE: By the term "near relatives" is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.

CLAUSE 37

No Gazetted Engineer to work as Contractor within one year of retirement

No engineer of Gazetted rank or other Gazetted officer employed in engineering or administrative duties in an engineering department of the Government of India shall work as a contractor or employee of a contractor for a period of one year after his retirement from government service without the previous permission of Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

CLAUSE 38**Return of material & recovery for excess material issued.**

Over the theoretical quantities of materials so computed a variation shall be allowed as specified. The difference in the net quantities of material actually issued to the contractor and the theoretical quantities including such authorized variation, if not returned by the contractor or if not fully reconciled to the satisfaction of the Engineer-in-Charge within fifteen days of the issue of written notice by the Engineer-in-charge to this effect shall be recovered at the rates specified in performa of schedule, without prejudice to the provision of the relevant conditions regarding return of materials governing the contract. Decision of Engineer-in-Charge in regard to theoretical quantities of materials, which should have been actually used as per the Annexure of the standard schedule of rates and recovery at rates specified in performa of schedule, shall be final & binding on the contractor. The said action under this clause is without prejudice to the right of the Government to take action against the contractor under any other conditions of contract for not doing the work according to the prescribed specifications.

CLAUSE 39**Compensation during warlike / lockdown situations**

The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Engineer-in-Charge and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by the Engineer-in-Charge to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Engineer-in-Charge, such payments being in addition to compensation upto the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Divisional Officer upto Rs. 5,000/- and by the Executive Engineer concerned for a higher amount. The contractor shall be paid for the damages/destruction suffered and for restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Engineer-in-Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the A.R.P. Officers or the Engineer-in-Charge

For any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Divisional Officer.

CLAUSE 40**Return of security deposit**

The security deposit @5% of billing amount will be deducted / withhold from the contractor's bill/s. The SD will only be refunded to the contractor after completion of the work by the in all respect as per all the clauses of GCC and release of Performance Guarantee, in accordance to the decision of the Executive Director, AIIMS- Jodhpur.

CLAUSE 33**Miscellaneous**

- a) Safety Regulations: Contractor shall be fully responsible for the safety of his Employees/ Visitors/ Contract Labour/Sub- Contractors Labour.
- b) Labour Laws: The Contractor shall strictly adhere to all labour laws prevailing in the region. The contractor shall make timely payment of wages of his labour and the wages paid to the labour shall be equal to or more than the minimum wage at the time of payment. The Contractor shall comply with all applicable labour legislation.
- c) By-Laws of Statutory Authorities: The Contractor and his labour shall not violate municipal/sanitation/health or any other byelaws.
- d) General Lighting and Securities: The Contractor shall, throughout the execution, completion and remedying of the defects, provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or recommended by the Engineer-In-Charge or by any duly constituted authority for the protection, of the work or for the safety and convenience of the public or others.
- e) Definition of "and", "or", "and/or": The terms "and", "or", "and/or" used in the content with description or enumeration of two or more items or components of work or documentation or anything similar shall mean as relevant and applicable to the text.
- f) The contractor shall co-operate with other agencies in the same project, compare plans, specifications and the time schedules and so arrange his work that there will no interference. The Contractor shall forward to the Engineer-In-Charge all correspondences and drawings exchanged.
- g) However, the Contractor shall afford necessary facilities to execute the work simultaneously with other agencies executing the works for the same project. AIIMS- Jodhpur shall entertain no claim on this account.
- h) The client reserves the right to accept or reject any or all the bidders without assigning any reasons, no bidder shall have any cause of action or claim against the AIIMS-Jodhpur for rejection of his bids.

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PROFORMA OF SCHEDULES

(Refer standard clauses of contract of CPWD)

SCHEDULE 'A'

Schedule of quantities (Enclosed)

SCHEDULE 'B'

Reference to General Conditions of contract

**General Conditions of Contracts 2020
(amended up to date)****NAME OF WORK: Work for establishing OT Store and Extension of Blood Bank in Old
CSSD Area of D&T OT Building at AIIMS Jodhpur**

i.Estimated cost of work	:	₹. 80,80,399.00
ii.Earnest Money	:	₹. 1,62,000.00
iii.Performance Guarantee	:	3 % of contract value.
iv.Security deposit	:	5% of respective bill/s

SCHEDULE 'C'**General Rules & Directions****Definitions:**

i.Officer inviting tender	Executive Engineer (Civil), AIIMS- Jodhpur
ii.Engineer-in-Charge	Executive Engineer (Civil), AIIMS- Jodhpur
iii.Tender Accepting Authority	The Executive Director, AIIMS- Jodhpur
iv.Standard Schedule of Rates	DSR- latest & prevailing market rates
v.Standard CPWD contract Form	Modified & Corrected up to date GCC 2020 and CPWD form 7/8

Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance

07 days

(ii) Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period (provided in i) above

03 days

Clause 2

Authority for fixing compensation under Clause 2

The Executive Director, AIIMS- Jodhpur

Clause 2A

Whether Clause 2A shall applicable

N.A.

Authority to Decide:

(i) Extension of time:

- a) Within stipulated Date of Completion
b) Beyond stipulated Date of Completion

Engineer-in-charge, AIIMS- Jodhpur
The Executive Director, AIIMS- Jodhpur

(ii) Shifting of date of start in case of delay in handing over of site

Superintending Engineer, AIIMS- Jodhpur

Clause 11

Specification to be followed for execution of work

Bureau of Indian Standards / CPWD Specifications for Works with up to date correction slips till last date of submission of tender.

Clause 12

Deviation limit beyond which deviation / variation clauses shall apply for work

.....1.5 times of tendered amount.....

Clause 18

List of mandatory machinery tools & plants to be directions deployed by the contractor -at site:

As per work requirement and directions of Engineer -in-Charge.

Clause 25

Constitution of Dispute Redressal Committee (DRC):

DRC shall constitute One Chairman and Two Members

**Executive Engineer (C)
AIIMS, Jodhpur**

ADDITIONAL SPECIFICATIONS AND CONDITIONS**1. GENERAL:**

- 1.1 Wherever any reference to any Indian Standard Specifications of BIS occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.
- 1.2 The contractor shall work according to the programme of work as approved by the Engineer-in-charge, for which purpose, the contractor shall submit a programme of the work within 15 days from the stipulated date of start of the work.
- 1.3 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
- 1.4 Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account.
- 1.5 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing shall be payable on this account.
- 1.6 The contractor shall make his own arrangements for obtaining electric connections, if required, and make necessary payments directly to the department concerned.
- 1.7 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 off the materials being used or removed, so as not to interfere with the operations of other contractors, 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 Engineer-in-Charge. The contractor shall be responsible for any damage due to hindrance caused by him.
- 1.8 All the material related to the work execution shall be approved by Engineer-In-charge before the execution of work on-site.
- 1.9 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required at any stage shall have to be done by the contractor at his own cost.
- 1.10 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
- 1.11 Only Stainless Steel screws shall be used unless otherwise specified.
- 1.12 Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.
- 1.13 Work activities shall be executed in well thought out sequences such that consequent activities not adversely affecting previously done work. Nothing extra shall be payable to protect the works already done.
- 1.14 Cement and steel for carrying out Civil Works will have to be procured by the Contractor. Materials shall be accompanied with Test certificates and connected dispatch documents for proof of source from approved manufacturer's works or stockyard. The Contractor shall provide all the materials needed for trial run, testing including chemicals, consumables etc. In quoting their rates, the Contractors are advised to take into account the cost of the above materials. All the construction materials should be approved by Engineer-in-charge before commencement of work.

2. CONDITION FOR CEMENT:

- 2.1 The Contractor shall procure 43 grade Ordinary Portland cement (conforming to IS : 8112) or Portland slag cement (conforming to IS : 455) or Portland Pozzolana Cement (PPC) (Fly ash

based) – conforming to IS: 1489 (Part-I) as required in the work, from reputed manufactures of cement such as ACC, Ultratech, Shree Cement, Ambuja, Jaypee Cement, J.K. Cement, Birla, Bangur & Wonder. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the contractor proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufactures, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 Kg bags bearing manufacture's name, batch No. & ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got issue in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so. If Portland Pozzolana cement or Portland slag cement is used, suitable modification in de shuttering time etc. shall be done if need be as per specifications and standards and as directed by Engineer – in – charge and nothing extra shall be payable on this account. No extra payment / deduction shall be made from the payment to the contractor for using any of the above type of cement.

- 2.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge.

3.0 CONDITIONS FOR STEEL WORK AND OTHER:

- 3.1 Steelwork to be done at site should be of superior quality & grade and must be approved by Engineer-in-charge before commencement of work.

4.0 CONDITIONS FOR PAINTING WORK & STEEL PRIMER:

- 4.1 The Contractor shall only procure the paint from reputed manufactures of paint such as Asian, Nerolac, Berger, AkzoNobel-Dulex, British Paints.
- 4.2 The Contractor shall only procure the steel primer from reputed manufactures such as Asian, Nerolac, Berger, AkzoNobel, ICI Dulux.
- 4.3 Priming coat of approved steel primer such as Red Oxide/Zinc Chromate primer conforming to IS 2074 shall be applied before any member of steel structure are placed in position or taken out of workshop.
- 4.4 The paint & primer should be of superior quality of brands mentioned in para 4.1 & 4.2.

5.0 SAFETY MEASURES AT CONSTRUCTION SITE:

In order to ensure safe construction, following shall be adhered for strict compliance by the contractor at the site:

- 5.1 The construction malba at site shall be regularly removed on daily basis.
- 5.2 All field officials and the workers must be provided with safety helmets, safety shoes, safety belts, etc.
- 5.3 Necessary First-Aid kit shall be made available at the site.

6.0 CONDITIONS FOR HVAC WORKS:

- 6.1 Scope of work for this contract is to Supply Installation, Testing & Commissioning of HVAC system at AIIMS campus Jodhpur.
- 6.2 To execute all incidental work at site including all material supply at site required in the technical specifications.
- 6.3 All electrical work connected with HVAC such as cables, control panel, electric panels etc., erection at site for all manufactured items at works and also items fabricated at site under contractor scope.
- 6.4 Performance testing at the site of complete HVAC system as per various technical requirements. The whole system shall be tested as per specifications given elsewhere and complete test data shall be furnished on prescribed data sheet.
- 6.5 To air-condition the proposed area , following design parameters have been assumed:

Outside Design Condition		
DESIGN DATA	DB Deg C	WB Deg C
SUMMER	48 (118.4 Deg F)	25.0 (77.0 Deg F)
MONSOON	43.0 (109.40 Deg F)	26.7 (80.0 Deg F)
Inside Design Condition		
Room Temperature	24±2 deg °C RH : 50-55%	
Lighting Load	As per use of area	
Equipment Load		
Fresh Air	As per ASHRAE Standard 62.1	

- 6.6 All civil works shall be done by the contractor within the quoted rates of the contractor for each item and without any extra charge to the department. Making opening in walls/floors/ceilings for taking out cables / piping etc., and making them good. Foundation for equipment if required. Making openings in walls/floors/ceilings for grouting supports for cables/piping work and grouting of supports. Making necessary frames in walls/ceilings for fixing.
- 6.7 The contractor shall furnish complete "technical data" on the equipment offered by him.
- 6.8 The contractor shall guarantee that the air conditioning system shall maintain the designed inside Temperature within ± 2 °C tolerance and shall not exceed the specified limit at any point in the given area.
- 6.9 The contractor shall guarantee that the capacity of various components as well as the whole system shall not be less than the specified capacity.
- 6.10 The contractor shall ensure that the system shall be free of vibrations and disturbing sounds.
- 6.11 The contractor shall guarantee the consumption of power within the designed Limits on hourly basis.
- 6.12 Noise criterion for all air conditioned spaces shall be as per NBC-2016/CPWD-2017 OR ECBC-2017.
- 6.13 If the complete work/equipment or any portion thereof before it is taken over is found defective or fails to fulfil, the intent of the specifications, the contractor shall, on receipt of a written notice from the E-I-C forth with make good the defective work/equipment. The contractor will be responsible to rectify the defective work/equipment within a stipulated time mentioned in the written notice, or replace the equipment at no extra cost to the department. The E-I-C shall have the right to operate all equipment's in any operating condition, whether or not such equipment's have been accepted as complete and satisfactory. Repairs and alterations shall be made at such times and as directed by the department.
- 6.14 During erection the contractor shall at all times keep the working and storage areas free from waste or rubbish. On completion of erection he shall remove all temporary structures, debris and leave the premises clean to the full satisfaction of the department.
- 6.15 Rates for each of the items of Schedule of Quantity shall be firm and consolidated for the equipment delivered, installed, commissioned and tested at site including all taxes and levies. Prices shall remain firm and free from variation due to rise and fall in the cost of material equipment's. Labour or any other reason whatsoever due to changes in statutory rules and regulations so far as admissible under the conditions of the contract.

PREFERRED MAKE LIST (HVAC)		
S.No.	Material	Approved makes
1	Pipes and Accessories (ISI)	TATA, JINDAL, SAIL
2	GI/GSS Sheet for ducting	Tata/SAIL/Jindal Hissar
3	Nitrile Rubber Insulation (Drain Pipe / Refrigerant Pipe Insulation)	Armaflex/Aeroflex/K Flex/Eurobatex/ Superlon
4	Butterfly Valve	Sant/Leader/Advance/Zoloto/ Kirloskar/L&T/Audco
5	Motorized Butterfly Valve	Honeywell/Belimo/Danfoss/Siemens
6	Thermostat	Honeywell/Johnson/Siemens/Schneider
7	Pressure/ Temperature Gauge	H Guru/ Fiebig/ Warree/ HD
8	Adhesive for insulation	Pidilite/Superlon/Armacell
9	Fire damper actuator	Belimo/Siemens/Danfoss/Honeywell
10	Fire and Smoke dampers	Greenheck/Systemair/Airflow/Caryaire
11	Ductdamper/Grills/Diffuser/VCD/Collar damper	Caryaire/Systemair/Dynacraft/Airflow/Ravistar
12	Vibration Eliminator	Resistoflex/D wren/Kanwal
13	Pipe Hangers/Clamp/Supports	Hilti/Fischer/Euroclamp/GMGR
14	Y Strainers	KIRLOSKAR, LEADER, FIVALCO TYCO

The above provisions shall be followed in addition to the provisions of General Conditions of Contract.

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TECHNICAL SPECIFICATIONS

S. No.	Description of Item	Unit	Qty.
	<u>Sub Head: A – Civil Works</u>		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	46.00
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	13.50
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	Cum	46.00
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	202.00
5	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	202.00
6	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	Sqm	1000.00
7	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	Sqm	10.00
8	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	165.00
9	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	8.50
10	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	56.50
11	Providing and laying vitrified floor 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 make, in all colours and shades, laid on 20mm 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., complete. Size of Tile 600x600 mm	Sqm	315.00
12	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm	Sqm	315.00

13	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	Sqm	315.00
14	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	300.00
15	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including cutting chase, hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required Centering complete. 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20mm nominal size derived from natural sources)	cum	13.50
16	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab all colour and texture except black, Cherry/Ruby red: Area of slab over 0.50 sqm.	sqm	132.00
17	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	45.00
18	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	Cum	45.00
19	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	7.00
20	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	sqm	270.00
21	Providing and Fixing factory made uPVC door frame, made of uPVC extruded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (\pm 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (\pm 0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fasteners, all complete as per manufacturer's specification and direction of Engineer-in-charge.	meter	13.50

22	Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm (± 0.2 mm), with inbuilt bead on one side, styles and rails mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 75 mm x 220 mm at each corner and stainless steel screws, reinforcing the hinge side of style by inserting PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm (± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (+ 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-in-charge.	sqm	5.00
23	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/ cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately): 35 mm thick	sqm	5.00
24	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending	Sqm	306.00
25	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	4.50

26	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	2.00
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia.	each	2.00
28	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	2.00
29	Providing and fixing toilet paper holder : C.P. brass	each	2.00
30	Providing and fixing C.P. brass bib cock (two way) of approved quality conforming to IS:8931 : 15 mm nominal bore	each	4.00
31	Providing and fixing C.P. brass angle valve for basin mixer and geysers points of approved quality conforming to IS:8931 15mm nominal bore	each	8.00
32	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	each	8.00
33	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	sqm	920.00
34	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	640.00
35	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	sqm	640.00
36	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	145.00
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete Fixed to openings /wooden frames with rawl plugs screws etc	kg	300.00
38	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer	sqm	23.50
39	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / p.C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion : Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	125.00
40	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost	kg	303.00

	of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) : Powder coated aluminium (minimum thickness of powder coating 50 micron)		
41	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	sqm	27.50
42	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	sqm	40.00
43	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	13.50
44	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. Twin rubber stopper	each	22.00
45	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching into the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness	each	13.50
46	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	each	7.00
47	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 250x10 mm	each	22.00
48	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :		
(a)	Of area 3 sq. metres and below	each	7.00
(b)	Of area beyond 3 sq. metres	each	3.00
49	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	55.00
50	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	165.00
	<u>Sub Head: B – Electrical Works</u>		
1	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface / recessed steel		

	conduit as required Make: Conduit: BEC / AKG / Finolex / Polycab; Wire: Finolex / Polycab / RRKabel / Havells		
a	2 x 6 sq.mm + 1 x 6 sqmm earth wire	meter	600.00
2	Wiring for light point / Fan point / exhaust fan point/call bell point with 1.5sqmm FRLS PVC insulated cooper conductor single core cable in surfaace / recessed medium class PVC conduit, with modular switch, modular plate, suitbale size GI box and earthing the point with 1.5sqmm FRLS PVC insulated copper conductor single core cable etc. as required. Make: Finolex / Polycab / RRKabel / Havells		
a	Group C	point	35.00
3	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. Make: BEC / AKG / Finolex / Polycab		
a	20mm (For IT Works)	meter	200.00
4	Supplying & fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make: Northwest / Legrand / Schneider / Hager		
a	16 A switch	each	30.00
b	6 pin 16 A socket outlet	each	30.00
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. Make: Northwest / Legrand / Schneider/ Hager	each	5.00
6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make: Northwest / Legrand / Schneider/ Hager		
a	3 Module (100mmX75mm)	each	30.00
b	4 module (125mmX75mm)	each	2.00
c	6 module (200mmX75mm)	each	5.00
d	12 Module (200mmX150mm)	each	1.00
7	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. Make: Northwest / Legrand / Schneider/ Hager		
a	3 Module	each	30.00
b	4 Module	each	2.00
c	6 module	each	5.00
d	12 Module	each	1.00
8	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required. Make: Anchor / Vinay / Cabtree	each	5.00
9	Installation, testing, Commissioning of wall bracket/ ceiling fittings of all sizes and shapes containg upto GLS / CFL / LED lamps as per fitting, complete with all accessories including connections etc. as required.	each	26.00
10	Providing and fixing extra conduit down rod of 20mm dia., 2x10cm length, wiring with 2x1.5sqmm FRLS PVC insulated, copper conductor, single core cable including painting etc. as required. (Note: More than 5cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	each	6.00

11	Installation, testing, Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5sqmm FRLS PVC insulated, copper conductor, single core cables. etc. as required, complete with all accessories including connections etc. as required.	each	5.00
12	Installation of exhaust fan in existing opening, including making good the damage, connection, testing, commissioning etc. as required		
a	Upto 450mm sweep	each	2.00
13	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make: L&T / Siemens / Schneider/ Hager		
a	100 A, 16 KA, TPMCCB	each	1.00
14	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) Make: L&T / Siemens / Schneider / Hager		
a	8 way (4 + 12), Double door	each	2.00
15	Supplying and fixing 5 A to 32 A rating, 240 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. Make: L&T / Siemens / Schneider / Havells		
a	Single pole	each	35.00
16	Providing and Laying PVC insulated & XLPE sheathed cable of 1.1kV grade on surface / existing cable tray including making necessary connection, testing etc. as required of size. Make: RRKabel / Polycab / Finolex / Havells		
a	3.5 core x 35 sqmm Aluminum Unarmored cable	meter	135.00
17	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc. for following size of Unarmoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size. Make: Comex / Comat		
a	3.5 x 35sqmm cable (1 set consists: 1 gland + 3 aluminium lugs of 35sqmm+1 aluminium lug of 16sqmm)	set	4.00
18	Supply of following type of LED lights etc. as required with warranty of atleast 2 years. Make: Philips/ Havells/ CG		
a	15Watt Cool white, surface type LED Downlight (square LED) Material Aluminium.	each	2.00
b	36 Watt square type (2 feet x 2feet) cool white, recessed type LED downlight (square LED) with colour temperature-2700-3000 K, material aluminium.	each	22.00
c	24Watt-4feet Cool white, Linear LED Batten Type	each	2.00
19	Supply of 1200 mm Sweep 5 Star double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor, fastner for hanging the fan from true ceiling (whether fan box not present) making connection testing etc. as required. Make: CromtonGraves / Bajaj /Havells	each	5.00
20	Supply of 250mm sweep ventilating / exhaust fans, Capacitor start, single phase with PVC impeller, ABS body, automatic openable louver shutter in existing opening including making connection, testing etc. as required. Make: CromtonGraves / Bajaj /Havells	each	2.00

Sub Head: C – IT Works

1	Supply, Drawing and Testing of 4 pair CAT-6, STP Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in existing MS/PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required. Make: Digisol/Legrand/3C3	meter	600.00
2	Supply , Installation, Testing and Comissioning of Wall mounted Communication rack with glass doors, handles ,lock , Top and Bottom Cable entries, Supports for mounting rack on wall , Cable managers, one Fan, Equipment mounting hardware, power supply box for supplying power to switches, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable. Make: Netrack/APC		
a	12 U(44 mm) wall mounted	Nos.	1.00
3	Supplying & Fixing of Wired Analog Telephone Handset with LCD Display and Batteries. Make: Beetel/Panasonic	Nos.	5.00
4	Supply, Installation, Testing and Comissioning of Cisco CBS 250 Switch 16 FP-2G 16 Port PoE (120W) + with 2G uplink SFP at specified location and as per instruction of Engineer-In-Charge. Make: CISCO	Nos.	1.00
5	Supply, Installation, Testing and Comissioning of Cisco CBS 250 Switch 16 T-2G 16 Port with 2G uplink SFP at specified location and as per instruction of Engineer-In-Charge. Make: CISCO	Nos.	2.00
6	Supply, Installation, Testing and Comissioning of Cisco 1G-BASE SFP LR at specified location and as per instruction of Engineer-In-Charge. Make: CISCO	Nos.	4.00
7	Supply , Drawing and Testing of 6 Core armoured outdoor singlemode [9 micron] glass Fiber Optic cable as per latest ammendments of TIA /EIA 568B.3 , GR 409 CORE / UL listed NEC 770 Standards in existing MS/PVC Conduits/ slotted channels with ferruling at both ends for identification. Make: Digisol/Beldon/3C3	Mtr.	100.00
8	Supply and Installation of 24 Port Information Jack Panel Outlet made of High impact plastic ABS FR Grade with spring loaded collapsible shutters in jack Recess, suitable for Cat 6 application complying to latest ammendments EIA/ TIA 568 B.2-1 Specifications in existing modular /MS Boxes along with necessary connections as required. Make: Digisol/Legrand/3C3	Nos.	1.00
9	Supply and Installation of LIU of 6 Port made of High impact plastic ABS FR Grade in 19" Rack Mount - Fullyloaded Square Connectors Single Mode.	Nos.	2.00
10	Supply , Installation and Testing of 4 pair , 100 Ohm, 24 AWG , Cat 6 UTP, flexible , Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief transparent boots as per TIA /EIA 568 B.2-1 Specifications. Make: Digisol/Legrand/3C3		
a	1 Mtr	Nos.	10.00
b	5 Mtr	Nos.	10.00
11	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed conduit as required- Make: Legrand/Siemons		
a	2 Pair	Mtr.	180.00
12	Supplying and drawing following pair 0.61 mm dia tiined FRLS annealed copper conductor (ATC), PVC insulated PVC sheathed armored telephone cable in the existing surface/ recessed conduit as required. Make: Legrand/Siemons		
a	20 Pair	Mtr.	50.00

13	Supply, Installation & Testing of Krone 10 Pair Module with all I/O Ports punched. Make: ABS	Nos.	2.00
14	Supply, Installing of 50 Pair Telephone MDF Box with frame. Make: Krone/ABS	Nos.	2.00
15	Supply, Installation & Testing of Combo RJ-45 Connector of CAT6 LAN I/O, with Desired Face Plate made up of High impact plastic grade. Make: Digisol/Legrand	Nos.	10.00
16	Supply, Installation & Testing of RJ-11 Telephone Socket Outlet with equivalent/desired face Plate by Engineer-In Charge at site. Make: Legrand/North-West/Digisol	Nos.	10.00
17	Splicing of Single Core Optical Fibre	Core	12.00
<u>Sub Head: D – (Fire Detection, Alarm & Safety work)</u>			
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make: RRKabel / Polycab / Finolex		
a	2 x 1.5 sq.mm	Mtr	200.00
2	Supplying, installation, testing & commissioning of fault isolator complete with base as required. Make : Notifier by Honeywell	each	2.00
3	Supplying, installation, testing & commissioning of addressable fire control module complete as required. Make : Notifier by Honeywell	Nos.	2.00
4	Supplying, installation, testing & commissioning of addressable manual call point complete as required. Make : Notifier by Honeywell	Nos.	2.00
5	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required. Make: Notifier by Honeywell	Nos.	2.00
6	Supplying, installation, testing & commissioning of Multisensor type analog addressable Photothermal smoke detector with mounting based LED, Addressable swiitch to programme the detectors & complete with all connections etc. as required. Make: Notifier by Honeywell	Nos.	20.00
7	Supply & Fixing of ABC Type (MAP 50) type powder Fire Extinguisher (Stored Pressure type) of following capacity duly current and valid BIS certification conforming to IS: 15683:2006, with Dry chemical powder used as extinguishing agent should be Mono Ammonium Phosphate 50% concentration conforming to IS 14609:1999. OEM will produce supplier certificate complete with squeeze grip release valve, locking arrangement, pressure gauge and bracket including initial fill and wall suspension complete in all respect. Serial no. and date of manufacturing should be embossed or printed on the body of the fire extinguisher. The firm should submit the product certificate from an EN notified body & product performance test report from NABL accredited Lab as per IS 15683. . All as per pre approved by Engineer in charge. Make: Ceasefire / Safex / Newage		
a	Capacity 4 kg	Nos.	4.00
8	Supply & Fixing of current and valid BIS certification IS: 15683:2018 approved Portable fire Extinguisher, Carbon-dioxide type flat base including valve, discharge hose of not less than 10 mm dia. min. 600 mm long & complete in all respects including initial fill with CO2 gas confirming to IS:307-1966 filled to a filling ratio of not more than 0.667 and wall suspension bracket . bidder must have valid PESO license to refill and store compressed gas cylinders as per Gas Cylinderrules 2004 , vessel should be PESO Approved. carbon dioxide gas shall conform to IS 15222 with latest amendment. Co2 Cylinder shall be conform to all the requirement given in IS 7285:2004. Serial no. and date of manufacturing should be embossed or printed on the body of the fire		

	extinguisher. The firm should submit the product certificate from an EN notified body & product performance test report from NABL accredited Lab as per IS 15683. All as per pre approved by Engineer in charge. Make: Ceasefire / Safex / Newage		
a	Capacity 4.5 Kg	Nos.	4.00
	<u>Sub Head: E – (HVAC works)</u>		
1	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect.		
a	100mm dia. (32 mm thick insulation)	Mtr	40.00
b	80mm dia. (32 mm thick insulation)	Mtr	30.00
c	65mm dia (32 mm thick insulation)	Mtr	50.00
d	50mm dia (32 mm thick insulation)	Mtr	90.00
e	40mm dia. (32 mm thick insulation)	Mtr	70.00
2	Supplying, fixing, testing and commissioning of fire dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring, the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications.		
a	Fire damper	Sqm	2.00
b	Actuator	Each	2.00
3	Supplying, fixing, testing and commissioning of BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water circulation as specified		
a	50 mm dia	Each	4.00
4	Supplying, fixing, testing and commissioning of following size Ball Valves with specified specifications		
a	20 mm dia	Each	4.00
5	Supplying, fixing, testing and commissioning of Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for chilled water circulation including insulation as specified.		
a	50 mm dia	Each	2.00
6	Supply, installation, testing & commissioning of following sizes of 2 way Modulating valve with actuator suitable for 220V/24 V DC operation, step down transformer, Digital thermostat and Electrical cables etc. as per below sizes		

a	50mm dia	Each	2.00
7	Thermometers of approved make & shall be of mercury in steel type with range suitable for the temperature services. It should be installed in the thermowells as specified		
a	Thermometers (Dial Type)	Each	4.00
8	Supply, installation, testing & commissioning of Pressure gauges of Bourdon (100mm) type with range selected so that normal operation in near to middle of the scale. Syphons and cocks to be provided along with gauge		
a	Bourdan Tube Pressure Gauge	Each	4.00
9	Supply, installation,testing, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes,hangers, supports etc. with Nitrile rubber insulation as per approved drawings and specifications of following sheet thickness complete as required.		
a	Thickness 0.60 mm sheet	Mtr	80.00
10	Supply, installation, testing and commissioning of Aluminium volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.	Mtr	2.00
11	Supplying & fixing of powder coated extruded aluminium Grills with aluminium volume control dampers as per specifications.	Mtr	10.00
12	Supplying, fixing testing commissioning of VCD Aluminium and MS as per specifications.	Mtr	5.00
13	CSU Installation Charges	Each	2.00

- ❖ **Note:** In case of non-available / alteration of any make of any item decision of Engineer-In-Charge shall be final and binding on the contractor.
- ❖ **Note:** The make of supplied modular electrical switch, socket, modular box, modular sheets etc. switching accessories must be same.

Executive Engineer (C)
AIIMS, Jodhpur

ANNEXURE - I

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone No:- Mobile No:- Email id:-	
Name and address of service centre nearby Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate).	
PAN No. (Enclose the attested copy of PAN Card).	
GST No. (Enclose the attested copy of VAT Certificate).	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque of Earnest Money Deposit.	
Whether the Firm/Agency has signed each and every page of Tender/NIT.	
Any other information, if necessary.	

Date:

Place:

Name :

Business Address :

Signature of Bidder :

Seal of the Bidder :

ANNEXURE - II

DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST SEVEN YEARS ENDING LAST DAY OF THE MONTH ENDING MAY-2023.

S . No	Name of Work/ project	locati on	Owner or sponsorin g organization	Cost of work in lakh	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration pending/ in progress with details *	No. & Date of completion certificate attached.	Remarks, if any
1	2	3	4	5	6	7	8	9	10	11

- ❖ Indicate gross amount claimed and amount awarded by the Arbitrator
- ❖ **Note: Completion Certificate from Clint to be attached.**

Date:
Place:

Name :
Business Address :
Signature of Bidder :
Seal of the Bidder :

ANNEXURE - III**COMPLETION / PERFORMANCE CERTIFICATE**

1.	Name of Work	
2.	Agreement no. / Word order no.	
3.	Date of issue of work order	
4.	Name of the contractor Agency	
5.	Stipulated date of commencement of work as per agreement	
6.	Tendered value of work	
7.	Completion cost of work	
8.	Stipulated date of completion of work as per agreement	
9.	Actual date of completion of work	

Certified that the work has been completed satisfactory within the stipulated date of completion. There are no defects apparent and M/s. _____ has completed all the works as per agreement.

Note:

- ❖ **The above completion certificate shall be issued on the letter head of concerning client department.**

Signature of Authorized officer (with designation)

ANNEXURE - IV**FINANCIAL INFORMATION**

Financial Analysis - Details to be furnished duly supported by figures in balance sheet/profit & loss account duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

i. Gross Annual Turn Over

Descriptions	2020-21	2021-22	2022-23
Gross Annual Turn Over			
Average turn-over of three years			

Signature of Bidder(S) with Seal

Signature of Chartered Accountant with Seal

ANNEXURE – V**TENDER ACCEPTANCE FORM**
(On letter head of company /firm)

To,
The Director,
All India Institute of Medical Sciences,
Jodhpur (Raj.)

Ref.: Your NIT No.: **AIIMS-JDH/EE/CIVIL/2023-24/10** due on **11th September, 2023.**

I / We, the undersigned have examined the above mentioned Tender Enquiry Document, including amendment / corrigendum (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver in conformity with your above referred document for the sum as shown in the Price Schedules (BoQ) uploaded herewith and made part of this bid. If our bid is accepted, we undertake to supply the items / services for which tender has been concluded, in accordance with the delivery schedule specified in the Schedule of Requirements. We further confirm that, if our bid is accepted, we shall provide you with a Performance Security of required amount in an acceptable form as mentioned in your NIT. We agree to keep our bid valid for acceptance as required in your NIT Document, read with modification, or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this bid up to the aforesaid period and this bid may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal Rate Contract is executed, this bid read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us. We further understand that you are not bound to accept the lowest or any bid you may receive against your above referred advertised tender enquiry. We confirm that we do not stand deregistered/banned/blacklisted by Central / State Govt. / Ministries / Departments. We confirm that we fully agree to the terms and conditions specified in above mentioned Tender Enquiry Document, including amendment / corrigendum if any.

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect; we are liable for any action as deemed fit by the institute in addition to forfeiture of the Performance Security / or any other action against us.

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in AIIMS organization in future forever. Also, if such a violation comes to the notice of the institute before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

Name: _____

Business Address _____

Place: _____

Date: _____

ANNEXURE -VI**UNDERTAKING CERTIFICATE
(To be submitted on Letter Head of the Company/Firm)**

I hereby certify that the above firm has not been ever blacklisted by any Central / State Government / Public Undertaking / Institute on any account.

I also certify that firm will execute the work as per the specification given by Institute and also abide all the terms and conditions stipulated in tender.

I also certify that the information given in the bid is true and correct in all aspects and if in any case at a later date it is found that any detail/s provided are false and incorrect, any contract given to the concern firm or participation may be summarily terminated at any stage, the firm will be blacklisted and Institute may have imposed any action as per NIT rules.

Date: _____ Name : _____
Place: _____ Business Address : _____

Signature of Bidder : _____
Seal of the Bidder : _____

Check List

S. No.	Information for bidder	Remarks	Refer page no. of submitted bid
1.	Notice Inviting Tender (Read & Accepted)	Yes / No	
2.	Whether three similar works each of value not less than 40% of the estimated cost put to the tender OR Two similar works each of value not less than 60% of the estimated cost put to Tender OR One similar works each of value not less than 80% of the estimated cost put to Tender (Attached)	Yes / No	
3.	Proof of EMD submitted or exemption under MSME registration (Attached)	Yes / No	
4.	Turnover: Average annual financial turn over should be at least 50% of the estimated cost during the immediate last 3 consecutive financial years. (Attached)	Yes / No	
5.	Solvency Certificate: Solvency of the amount equal to 40% of the estimated cost of the work by any scheduled nationalized bank only. (Attached)	Yes / No	
6.	Copy of Income Tax Return Acknowledgement for last Three years statement (Attached)	Yes / No	
7.	Copy of PAN Card (Attached)	Yes / No	
8.	Copy of GST Registration (Attached)	Yes / No	
9.	General Conditions of Contract (Read & Accepted)	Yes / No	
10.	Proforma of Schedules (Read & Accepted)	Yes / No	
11.	Technical Specifications (Read & Accepted)	Yes / No	
12.	Annexure- I Bid Security Declaration Form (Filled & attached)	Yes / No	
13.	Annexure- II (Details of Bidder/s) (Filled & attached)	Yes / No	
14.	Annexure- III (Details of All Works of Similar Class) (Filled & attached)	Yes / No	
15.	Annexure- IV (Completion / Performance Certificate) (Filled & attached)	Yes / No	
16.	Supporting documents related to work (copy of PO) (Attached)	Yes / No	
17.	Annexure- V (Financial Information) (Filled & attached)	Yes / No	
18.	Annexure-VI (Tender Acceptance Form) (Filled & attached)	Yes / No	
19.	Annexure-VII (Undertaking Certificate) (Filled & attached)	Yes / No	
20.	Check list filled (Filled & attached)	Yes / No	

Date:

Place:

Name :

Business Address :

Signature of Bidder :

Seal of the Bidder :

FORMAT FOR PERFORMANCE SECURITY (GUARANTEE)*(TO BE FURNISHED BY CONCERN BANK)*

1. In consideration of the Director, AIIMS, Jodhpur (hereinafter called "the Government ") having offered to accept the terms and conditions of the proposed agreement between _____ and _____ (hereinafter called "the said Contractor(s)") for the work _____ (hereinafter called "the said agreement;" having agreed to production of an irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security/guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.
We _____ (hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by Government.
2. We _____ do hereby undertake to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only)
3. We the said bank undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.
4. The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the contractor (s) shall have no claim against us for making such payment.
5. We _____ further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in- charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor (s) accordingly discharges this guarantee.
6. We _____ further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.
7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s).
8. We _____ lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.
9. This guarantee shall be valid up to _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____ (Rs. _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged. Dated the _____ day of _____ for _____ (Indicate the name of Bank).