

INVITATION FOR BIDS (IFB)
COMPETITIVE BIDDING

Tender Reference no. **Ind1267/BIT-Poly(Revised)**

Dated :-March 10, 2017.

On behalf of the University Polytechnic BIT Mesra, Sealed item rate tenders are hereby invited for the following work from contractors registered in the approved list of appropriate class of CPWD, State PWD, Railways, MES, Post & Telegraph Department, Semi-Govt. organizations or those who have worked for BIT Mesra and its off-campus in appropriate class and have successfully completed minimum one/two/three similar works during last Five years ending last day of Jan 2017 for carrying out the following work at University Polytechnic BIT Mesra, Ranchi campus. The bid shall be submitted in the office of procurement officer:

Sl. No.	Name of the work	Duration of Contract	EMD (Rs.)	Application Fee (Rs.)	Single/ Two Bid
1.	BALANCE WORK OF WORKSHOP AT UNIVERSITY POLYTECHNIC BIT MESRA	8 MONTHS	Rs.50,000/-	Rs.500/-	Single Bid

Period of availability of tenders online/date & time of bidding on-line / last date of clarification/date of opening of tender papers are as given below :-

1. Bids must be accompanied by Security amount specified for the work in the table of Rs. 50,000/- (Rupees Fifty Thousand only), payable at **Ranchi** and drawn in favour of Birla Institute of Technology Mesra. Bid security shall have to be valid for 45 days beyond the validity of the bid.
2. Cost of bidding document and Bid Security shall be deposited in the office of the Registrar, BIT Mesra on all working days between 10.00 AM to 4.00 PM either by registered post /Speed post or by hand. The Birla institute of technology will not be held responsible for the postal delay, if any, in the delivery of the document or non-receipt of the same.
3. Tenderer(s) shall enclose self-attested Xerox copy of his/her valid registration, Sales tax, Income Tax Clearance, TIN, PAN, Audited turnover, Character Certificate, Labour License, Work experience, EPF/ESIC Registration details, partnership deed etc.
4. The Schedule for Submission of Quotations is as follows:-

	Date	Time in hours (IST)	Submit to / Venue
Submission of Quotations	4 th May 2017	Upto 1300 hrs	Registrar Office, BIT Mesra
Opening of Quotations	4 th May 2017	at 15:00 hrs.	

5. The Vice-Chancellor, BIT Mesra reserves the right to accept or reject any or all Quotations / offers either in part or in full or to split the order without assigning any reasons thereof.
6. The **Employer** does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted.
7. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
8. The tenderer should see drawings and in case of doubt obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
9. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in

regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of materials, installations of tools and plants (T&P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the **Employer** in any circumstances.

10. Earnest money will be forfeited if the contractor fails to commence the work as per letter of award.

11. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. Tenderers who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted along with the tender.

12. Eligibility Criteria:

- a) **The contractor is required to submit attested photocopy of documents as required in Bidder Information : Section – 2.**
- b) **The contractor should submit attested photocopy of the definite proof showing satisfactorily completed the similar works (completed means full & final settlement of full scope of work, as specified in Bidder Information : Section – 2.**
- c) **Note - Participation of Contractors already engaged in ongoing Major Works Projects at BIT Mesra or its off-campus shall not be considered. Such contractors will be required to submit Completion Certificate of the Project in order to participate in the Bid.**

13. Note: The institute may give relaxation in the criteria mentioned in essential qualifications of the bidder and their decision in this regards will be final.

14. Some of the provisions of General Conditions of Contract are given below. Interpretation however shall be as given in the General Conditions of Contract.

- a. **DEFECTS LIABILITY PERIOD: Twelve months** from the date of completion as certified by the Employer.
- b. **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE:**
Rs. Five Lakhs only (Rs 5,00,000/- only) Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Engineer.
- c. **SECURITY DEPOSIT:** Security deposit shall be deducted from the running bills at 10 % of the gross value of work done till such time the sum so deducted works out to 5% of the tendered value of the work. EMD will be refunded to the contractor once the performance security of 5% has been realized from R.A. bills. The Performance Security of 5% will be retained by BIT Mesra till completion of defect liability period.
- d. **PERFORMANCE BANK GUARANTEE:** On completion of work, if the contractor desires to obtain the Security Deposit, he will be required to submit Performance Bank Guarantee of equal amount, valid for the defect liability period, in lieu of Security Deposit of 5% retained by BIT Mesra.
- e. **COMPENSATION:** Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the **Employer** (whose decision in writing shall be final) may decide on the cost of the whole work as shown in the agreement for every week that the work remains uncommenced or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the agreement.
- f. **Stores to be issued:** Materials supplied by the Employer, if any, will be deducted from the bill at the rate of actual cost incurred over that material.
 - i. **Cement** for all works in the contract, if supplied by the Employer same will be deducted from running bill at the rate of Rs. 265.00 per bag (including all taxes).
 - ii. **Steel** for reinforcement for all works in the contract if supplied by the Employer and same will be deducted from running bill at the rate of Rs. 40/- per K.G. (including all taxes).

15. M-VAT on the works contract, if applicable will be deducted according to rules prevailed in Jharkhand.

SECTION 2

BIDDER INFORMATION

BIDDER INFORMATION

1. Name of Tendering Firm / Agency :
(Attach certificate of registration)

2. Registration & incorporation particulars of the Firm / Agency
 - i. Private Limited
 - ii. Public Limited
 - iii. Any other – Please specify :

3. Name of Proprietor / Director(s) :

4. Full Address of Reg. Office (Local) :

Telephone No. :
FAX No. :
E-Mail Address :

5. Full Address of Reg. Office (Corporate) :

Telephone No. :
FAX No. :
E-Mail Address :

6. Bank of Firm / agency :
with full address
Current Account Number :
IFSC Code :

7. PAN No :
(Attach attested copy)

8. Service Tax Registration No. :
(Attach attested copy)

9. E.P.F. Registration No. :
(Attach attested copy)

10. E.S.I. Registration No :
(Attach attested copy)

11. Service Tax Number :
(Attach attested copy)

12. Financial turnover of the tendering Firm / Agency for the last 3 Financial Years:

Financial Year	Amount (Rs. in Lakhs)	Remarks, if any
2015-16		
2014-15		
2013-14		

13. Description of similar work as invited in Bid, executed during the last five years (***Please furnish copies of completion certificate***) :

	Description of Work Executed	Actual Value of Work Order Executed	Details of client along with address and telephone	Start Date	Finish Date	Document evidence at Page No.
30% Value						
50% Value						
100% Value						

- I. I, the undersigned certify that I have gone through the terms and conditions mentioned in the bidding document and undertake to comply with them.
- II. The rates quoted by me are valid and binding upon me for the entire period of contract and it is certified that the rates quoted are the lowest rates as quoted in any other institution in India.
- III. I/We give the rights to the competent authority of the office of BIT Mesra to forfeit the Earnest Money/ Security money deposit by me/us in case of breach of conditions of Contract.
- IV. I hereby undertake to provide the Works/Services as per the directions given in the tender document/contract agreement.

Date:
Place:

Signature of authorized person

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Interpretation

- (a) In construing these conditions, the Specifications, the Schedule of Quantities, Tender, Special Conditions and Agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires.
- (b) This contract shall comprise of the Articles of Agreement, General Conditions of Contract, Special Conditions. Additional Special Conditions, the Schedule of Quantities, Specifications, letter of acceptance of tender and other documents mentioned in the contents sheet attached hereto and including these to which only reference is made herein.

Work or Works: Shall mean all work or works defined in schedule of quantities, specification and such other work or works as the contractor may be entrusted with for carrying out under this contract.

Employer: Shall mean Registrar, BIT Mesra or any officer authorized by Registrar for the purpose. .

Engineer: Shall mean the Engineer designated by the Employer to superintend and perform other duties as indicated in the contract.

Contractor: Shall mean the individual or Firm or Company, whether incorporated or not. Undertaking the work and shall include the legal personal representative or such individual or the persons composing such Firm or Company or the successors of such Firm or Company and the permitted assignees of such individual or Firm or Firms or Company.

Site: Shall mean the site of the contract works including any buildings and erections thereon and any other land adjoining thereto (inclusive) as aforesaid allotted by the Employer or the Engineer for the contractor's use.

Compensation: Shall mean all sum payable by way of compensation under any of the conditions shall be considered as reasonable compensation without reference to the actual loss or damage sustained and whether or not any damage sustained, and whether or not any damage shall have been sustained. Words imputing persons include firms and corporations; Words imputing the singular only also include the plural and vice versa where the context so required.

The headings are given to the clauses for convenience and they will not limit the meaning or scope of the clauses in any way.

2. Drawings and Specifications

The Contractor shall execute whole and every part of the work in the most substantial and workmanlike manner both as regards material and otherwise in every respect in accordance with the specifications. The contractor shall also confirm exactly and faithfully to the design, drawings and instructions given in the respect of the work by the Engineer. The contractor shall be furnished free of charge one copy of such specifications and all such designs, drawings and instructions as are not included in the printed publications.

3. Contractor to Provide Everything Necessary

- a) The contractor shall provide at his own cost all materials (except such materials, if any as may in accordance with the contract be supplied by the Employer) plants, tools, appliance, implements, ladders, scaffolding, temporary works, etc. requisite or proper for the execution of the work whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or which may be necessary for the purpose of satisfying or complying to the requirements of Engineer, as to any manner as to which under these conditions he is entitled to be satisfied together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with means and materials necessary for the purpose of setting out works and counting, weighing and assisting in the measurement or 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 **at the expense of the contractor** and the expenses may be deducted from any money due to the contractor under the contract and / or from his Security Deposit.
- b) The contractor shall provide himself with requisite quantity and quality of water for carrying out the works at his own, if, however piped water is supplied by the Employer, the contractor shall pay for the water at **one percent of** the total of the work done except on Electrical Work, Airconditioning work and Furniture work. The contractor shall make own arrangement for water connection and laying of further pipelines from the source of supply of the Employer. It should be clearly understood that the Employer does not guarantee to maintain uninterrupted supply of water and it will be incumbent on the part of the contractor to make alternative arrangement for water at his own cost in the event of any temporary breakdown in the water mains so that the progress of work is not held up for want of water. No claim as damages or refund of water charges will be entertained on account of such breakdowns. However, if the contractor is permitted to make his own arrangement to draw water from a well, hand-pump, or natural river or pond of the Employer, no charges will be made for the water drawn from the same, but the contractor will make good any damage done to the installations and ensure that the quality of water used in the work is conforming to BIS codes and provide for any treatment at his own cost.

1. The contractor shall be allowed to construct temporary wells in Employer's land for taking water for construction purpose only after he has permission of the Employer in writing. No charges shall be recovered from the contractor on this account but the contractor shall be required to provide necessary safety arrangement to avoid any accident or damage to adjacent buildings, roads and service lines. He shall be responsible for any accident or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.
2. The Employer on no account shall be responsible for the expenses incurred by the contractor for hired ground or water obtained for elsewhere.
3. Subject to availability the Employer may **supply power** at only one point from where the Contractor shall make his own arrangement for distribution including provision of electric meters, switches, fuses etc. at his own cost. These shall be in the custody of the Employer. If there is any hinderance caused to other works the contractor shall reroute or remove such temporary lines without any extra cost. Such temporary lines shall be removed after the completion of work. The cost of power consumed by the contractor shall be payable to the employer at rates fixed by the Employer, which would be deducted from the running account bills. However the Employer does not guarantee the supply of power and no compensation for any failure or short supply of power shall be entertained.

“Sufficiency of Tender:

The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of the tender the works and the rates and the prices quoted in the schedule of items, which rates and the prices shall, except as otherwise provided, cover all his obligation under the contract and all matters and things necessary for the proper completion and maintenance of the works”.

4. Authorities, Notice & Patents

- a) The contractor shall confirm to any regulations and byelaws of any corporation and of any electricity supply company and authorities with whose systems the structure is proposed to be connected, and shall before making any variations from the drawing and specifications that may be necessitated for so conforming by giving written notice to the Engineer specifying the **variations proposed** to be made, the reasons for making it and apply for instructions thereon. If the compliance with this clause involves any extra work not included in this contract, he shall specify these items of work and the allowance of extra payment required on their account.
- (b) The contractor shall give all notices required by the said regulations or bylaws to be

given to any Authority and pay to such Authority or to any public office all fees that may be chargeable in respect of the works and lodge the receipts with the bill to the Engineer for reimbursement.

5. Rates to include all Taxes

- a) Rates quoted by the contractor shall **include sales tax**, duties, octroi, toll tax, realties and all other taxes in respect of this contract and the Employer shall not entertain any claim whatsoever in this respect. Tendered rates are inclusive of all taxes levies payable under the respective statutes. However pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 if any further tax or levy is imposed by Statutes, after the date of receipt of tenders and the contractor there upon necessarily and properly pays such taxes/ levie the contractor shall be reimbursed the amount as per the rules on producing proof of payment so made provided such payments, if any, is not in the opinion of the Employer (whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor.
- b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Employer and further shall furnish such other information and documents as the Employer may require.
- c) The contractor shall within a period of thirty days of imposition of any **further tax** or levy pursuant to the Constitution (Forty Sixth Amendment) Act, 1982 give a written notice thereof to the Employer that the same is given pursuant to this condition together with all necessary information relating thereto.

6. Testing of Materials

The contractor shall provide assistance, instruments, materials, labour and any other arrangement normally required for testing, checking of materials and workmanship as stipulated in the specifications and by statutory authority at his own cost. The Employer has the right to appoint the testing authorities. The contractor shall pay for the cost of test samples, its packing, transportation including testing fees. Failings his so doing, the same shall be provided by the Engineer at the expense of the contractor and the expenses may be deducted from any money due to the contractor under the contract and/ or from the Security Deposit or proceeds thereof or of a sufficient portion thereof.

7. Contractor's Engineers/ Foreman & Workman

- (a) The contractor shall give all necessary personals superintendence during the execution of the (work and as long thereafter as the Engineer may consider necessary until the expiration of the Defects Liability Period. The contractor shall employ competent ~~Site~~ Engineer/ Foreman as per CPWD norms and as approved by the Engineer Whose qualification must

conform to the requirement specified by the Engineer who shall be constantly in attendance of the work while the men are at work. Any directions, explanations, instructions or notices given by the Engineer to such Site Engineer or Foreman or any other authorised agent shall be held to be given to the contractor.

- (b) Contractor's Site Superintendence Staff to be employed by contractor on works: The contractor shall employ the following technical staff during execution of works
 - (i) One Graduate Engineer, with 3 years experience.
 - (ii) One qualified Diploma holder (overseer) with experience not less than 5 years.

In case the contractor fails to employ the technical staff as aforesaid, he shall be liable to pay reasonable amount not exceeding the amount shown below for each month of default. These recoveries are subject to modification, from time to time by CSIR based on CPWD.

- (i) In case when a Graduate Engineer is to be employed Rs. 20,000/-
 - (ii) In case when a qualified Diploma holder is required to be employed Rs. 15,000/-
- (c) The contractor shall on the request of the Engineer immediately dismiss from the works any person employed thereon who may in the opinion of the Engineer be unsuitable or incompetent or who may in the opinion of the Employer misconduct himself.

8. Access

- (a) The Engineer, and the Employer or its representatives shall at all reasonable time have free access to the works and/or workshops, factories or other places the materials are being prepared or constructed for the contract and also to any place where the materials are lying or from which they are being obtained and the contractor shall give every facility to them for inspection. Except the representatives of statutory authorities and those mentioned above no other person shall be allowed on the works at any time without the permission of the Engineer.
- (b) If any work is to be done at a place other than the site of works, contractor shall obtain written permission of the Engineer.

9. Variation & Price for Variation

- (c) The Engineer with the approval of the Employer shall have powers to make any alterations/ omissions/ additions and/ or substitutions from the originals specifications, drawings, designs and written instructions of such alterations, omissions, additions, substitutions shall not invalidate the contract and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The rates for such altered, additional or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order.
- (b) If the rates for the altered, additional, or substituted work are specified in the contract for the work, the contractor is bound to carry out the altered, additional, or substituted work at

the same rates as are specified in the contract for the work subject to the deviation limits prescribed hereunder clause No: 11(f). In case deviations of agreement quantities exceed the prescribed limits, then the rates for quantities exceeding the prescribed limits shall be determined on market rate basis.

1. If the rates for the altered, additional, or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for a similar class of work as are specified in the contract for the work.
2. If the rates for the altered, additional, or substituted work cannot be determined in the manner specified in sub-clause (b) and (c) above, then the contractor shall, with 10 working days from the date of receipt of the order to carry out the work through notice in writing; inform the Engineer of the rate which it is his intention to charge for such class of work, supported by analysis of the rate claimed which shall be based on actual cost of work plus 10% as contractor's profit and overheads except in case of departmental materials for which contractors profit and overheads shall be 2.5%. When such notice has been given, the Engineer with the consent of the Employer may agree to such a rate but if the Engineer does not agree to the contractor's rate the Engineer may cancel his order to carry out such class of work and arrange to carry out in such a manner as he may consider advisable.
3. Under no circumstances, the contractor shall suspend the work on the plea of non settlement of rates of items falling under the clause.
4. "Deviation limits"

Applicable for this work

30%

10. Faulty Materials, Workmanship & Defects After Completion

- (a) The Engineer shall have powers to require the removal from the site of all materials and work which in his opinion are not in accordance with specifications and in case of default, the Engineers shall be at liberty to employ other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials to be substituted thereof and in case of default the Engineer may cause the same to be supplied and all costs which may attend such removal and/ or substitution are to be borne by the contractor.
- (b) If it shall appear to the Engineer or to the Employer based on audit/ technical examination that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, any defects, shrinkage or other faults which may appear within the defects liability period of 12 months from the date of completion arising in the opinion of the Engineer, the contractor shall on demand in writing which shall be made within 12 months of the completion of the work from the Engineer specifying the work, materials, articles defects or other faults complained of notwithstanding that the same may have been passed, certified and paid for, forthwith rectify, or remove and

reconstruct the work so specified in whole or in part, as the case may requires or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own cost. In case of any such failures, the Engineers may rectify or remove or re-execute the work or remove and replace with others, the material or articles complained of as the case may be at the risk and cost in all respects of the contractor.

- (c) In lieu of rectifying the work not done in accordance with the contract, the Employer may, allow such work to remain, and in that case make allowance for the difference in value, together with such further reduction as in his opinion may be reasonable.
- (d) Provided always that nothing in this clause shall relieve the contractor from his liability to execute the works in all respects in accordance with the terms and conditions of this contract, or from his liability to make good all defects.

11. Works to Be Open for Inspection

- (a) All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer and the contractor shall at all times, during the usual working hours, and at all other times at which reasonable notice of the intentions of the Engineer to visit the works shall have been given to the contractor, either himself be present to receive order and instruction or have a responsible agent duly accredited in writing present for that purpose.
- (b) The contractor shall give not less than seven days notice in writing to the Engineer before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up and place beyond the reach of measurement, any work without the consent in writing of the Engineer and the Engineer shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurement without sud1 notice having been or the Engineer's consent obtained the same shall be uncovered at the contractors expense or in default thereof. no payment or allowance shall be made for such work or the materials with which the same was executed

12. Assignment or Sub-Letting

- (c) The contract shall not be assigned or sublet without the written approval of the Employer. 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 or 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 agents to any person in the employment of the Employer in any way relating to his office or employment, or if any such employee or person shall become in any way directly or indirectly interested in the contract, the Employer shall have the power to adopt any of the courses specified under clause-23 as may

be best suited to the interest of the Employer and in the event of any of the courses being adopted the consequences specified in the said clause shall ensure.

- (d) Where the contractor is a partnership firm, the approval in writing of the Employer shall be obtained before any changes 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 the contractor enters into any partnership agreement hereunder the partnership firm would have the right to carry out the work hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned or sublet in contravention of clause 13

(a) and the same action may be taken and the same consequences shall ensue as provided in the said clause 13 (a).

13. Indemnifying Against Damages to Persons, Property & Statutes

The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of work.

- (a) The contractor shall be responsible for all injury to persons, animals or things, and for all damage, whether such injury or damage arises from carelessness or accident in any way connected therewith. This clause shall be held to include inter alia any damage due to causes as aforesaid to work, building (whether immediately adjacent or otherwise) and to roads, streets, foot paths, bridges or ways as well as all damage caused to the buildings and works forming the subject of this contract by inclemency of weather. The contractor indemnifies the Employer and holds him harmless in respect of all expenses arising from such injury or damage as aforesaid and also in respect of any award of compensation or damage consequent upon such claim including legal costs.
- (b) The contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contracted works complete and perfect in every respect and so as to make good and otherwise satisfy all claims for damage as aforesaid to the property of third parties.
- (c) The contractor also indemnifies the Employer against all claims which may be made upon the Employer for acts during the currency of this contract by any employee or representative of an employee of the contractor or any sub-contractors, employed by him, for any injury to or loss of life, of such employees, or for compensation payable under any law for the time being in force to any workmen or to the representative of any deceased or incapacitated workmen.
- (d) The contractor also indemnifies the Employer against all claims which may be made upon the Employer for acts during the currency of this contract by the Central/ State Government or local Municipal authorities for the noncompliance of any laws, regulations, rules pertaining to wages

act, safety act in force and any amendments thereof in respect of all labour and apprentices directly or indirectly employed in the work under this contract.

- (e) The Employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensation costs, charges and/ or expenses arising or accruing from or in respect of any such claim and/ or damages as aforesaid from any sum or sums due or to become due to the contractor or security deposit.
- (f) The contractor shall indemnify the employer against any action, claim or proceedings relating to infringement or sue 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 the Employer 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 there from. Provided that the contractor shall not be liable to indemnify the Employer 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 said Employer or his authorized representative.

16. Lien in Respect of Claim in Other Contracts

- (a) Any sum of money due and payable to the contractor including the security deposit under the contract may be withheld or retained by way of lien by the Employer or Government or any other contracting person or persons against any claim of the Employer or Government or such other persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or Government or with such other persons.
- (b) It is agreed term of the contract that the sum of money so withheld or retained under this clause by the Employer will be kept withheld or retained as such by the Employer or till his claim arising out of in the same contract or any other contract is either mutually settled or determined by the Arbitrator if the contract is governed by 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 any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

17. Withholding & Lien in Respect of Sums Claimed

- (a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security deposit if any deposited by the contractor and for the purpose aforesaid, the Employer 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 finalisation or adjudication of any such claim. In the event of the security deposit

being insufficient to cover the claimed amount or amounts or if no security deposit has been taken from the contractor, the Employer 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 at any time thereafter may become payable to the contract under the same or any other contract, with the, Employer or any contracting person pending finalisation or adjunction of any such claim.

It is an agreed terms of the contract that the sum of money so withheld or retained under the lien referred above, by the Employer will be kept withheld or retained as such by the Employer till the claim arising out of or under the contract is determined by the Arbitrator (if the contract is governed by the arbitration clause) or 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 Employer 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 payable to any Partner/ Limited company as the case may be, whether in his individual capacity or otherwise.

- (b) The Employer 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 over paid in respect of any work done by the contractor under the contract or any work claimed by him 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 the Employer to recover the same from him in the manner prescribed in sub-clause (a) 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 underpayment shall be duly paid by the Employer to the contractor.

Provided that the Employer shall not be entitled to recover any sum ~~paid~~ nor the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the Employer on the one hand, and the contractor on the other hand under any term of contract permitting payment for work after assessment by the Employer.

18. In-Case of Death of Contractor

Without prejudice to any of the rights of remedies under this contract, if the contractor dies, the Employer shall have the option of terminating the contract without compensation to the contractor.

19. Sub -Contractors

The Employer reserves the right to use the premises and any portion of the site for the execution of any work not included in the contract. The contractor is to afford all reasonable facilities to all subcontractor, specialists, merchants, tradesmen and others who may at any time be appointed by the Employer for executing any work or supplying any goods relating to the construction, servicing, equipping or furnishing of the work under this contract.

20. Compliance to Labour Laws & Apprentice Act

The contractor shall comply with an the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970, and rules and orders framed there under and other labour laws affecting contract labour and Apprentice Act, 1961 and the rules and orders framed there under that may be in force or brought into force from time to time.

Contractor shall obtain a valid license under Contract Labour (R&A) Act 1970 and Contract Labour (R&A) Central Rules 1971 before commencing work and which should be valid till the completion.

21. Compensation for Delay

- (a) The time for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be deemed to be essence for the contract on the part of the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence and the contractor shall pay as compensation an amount equal to ONE PERCENT OR such smaller amount as the employer (whose decision in writing shall be final) may decide on the amount of the whole work as shown in the agreement, for every week that the work remains uncommenced or unfinished after the purpose.
- (b) And further to ensure good progress during the execution of the work, the contractor shall be bound in all cases, in which the time allowed for any work exceeds one month (say for special jobs) to complete oneeighth of the whole of the work before one- fourth of the whole time allowed under the contract has elapsed: thfourths of the work before three-fourths of such time has elapsed. However for special jobs if a time schedule has been submitted by the contractor and the same has been accepted by the Employer, the contractor shall comply with the said time schedule. In the event of the contractor failing to comply with this condition he shall be liable to pay as compensation an amount equal to one per cent or such smaller amount as the Employer (whose decision in writing shall be final) may decides on the said cost of the work for every week that the due quantity of work remains incomplete. Provided that the entire compensation to be paid under the provisions of this clause shall not exceed ten percent on the cost of the work as shown in the agreement.

22. Damage to Works in Consequence of Hostilities or War-Like Operation

- (a) The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and others things connected therewith shall be at the risks of the contractor until the work has been delivered to the Employer and a certificate from him to that effect obtained. In the event of the works or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operations, the contractor shall, when ordered in writing by the Employer, remove any debris from the site, collect and properly store or remove from 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, removal of serviceable materials and for the reconstruction of all works ordered by the Employer such payment being in addition to compensation up to 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 damage/ destruction suffered and for restoring the material at the rates based on the analysis of rates tendered for in accordance with the provision of this agreement. The certificate of the Employers regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on the contractor.
- (b) Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (i) unless the contractor had taken all such precautions against Air Raid as are deemed necessary by the A. R. P. Officers or the Employer, (ii) for any materials etc., not on the site of the work or for any tools and plant, machinery, scaffolding, temporary buildings and other things not intended for the work.
- (c) In the event on 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 Employer.

23. Extension of Time

- (a) If the contractor shall desire an extension of time for the completion of the work on the grounds of his having been unavoidably hindered in its execution or any other ground he shall apply in writing to the Employer within thirty days of the date of hindrance on account of which he desires extension as aforesaid, and the Employer shall, if in his opinion (which shall be final) reasonable grounds shown therefore, authorise such extension of time if any, which may, in his opinion, be necessary or proper
- (b) In the event, the value of work exceeds the value of the Bill of Quantities owing to variations, the contractor shall be entitled to ask for extension of time in proportion to the

increased value of work.

24. Suspension of Work by Contractor

- (a) The Employer may without prejudice to his right against the contractor in respect of any delay or inferior workmanship or otherwise or to any claims for damages in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date for completion has elapsed by notice absolutely determine the contract in any of the following cases:
 - (i) If the contractor having been given by the Engineer to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient' or otherwise improper or unworkman-like manner shall omit to comply with the requirements of such notice for a period of seven days thereafter or if the contractor shall delay or suspend the execution of the work so that in the judgment of the Employer (which shall be final and bindings) he will be unable to ensure completion of the work by the date for completion or he has already failed to complete the work by that date.
 - (ii) 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 creditors shall be appointed or if circumstances shall arise which entitle the court of creditor to appoint a receiver or a manager or which entitle the court to make a winding up of order.
 - (iii) If the contractor commits breach of any of the terms and conditions of this contract.
 - (iv) If the contractor commits any acts mentioned in clause-23th thereof.
- (b) When the contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have the following powers:
 - (i) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence). Upon such determination or recession the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of the Employer.
 - (ii) The Engineer may employ labour paid by the Employer and to supply materials to carry out the work or any part of the work debiting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by tile Engineer shall be final and conclusive against the contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract. The certificate of the Engineer as to the value of the work done shall be final and conclusive against the contractor, provided always that action under the sub-clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the Employer are less than amount payable to the contractor at his agreement rates, the difference should not be paid to the contractor.
 - (iii)After giving notice to the contractor to measure up the work of the contractor and to take such

part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor if the whole work had been executed by him (of the amount of which exceed the certificate in writing of the Engineer shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by the Employer under this contract or any other account whatsoever or from his security deposit.

- (iv) In the event anyone or more of the above courses being adopted by the Employer 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 engagement or made any advances on account or with view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions 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 has shall 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, as per JSR 2016.

25. Certificates & Payments

- (a) No payments shall be made for a work estimated to cost Rupees ten thousand or less till the whole of the work shall have been completed and certificate of completion given. But in the case of a work estimated to cost more than Rupees ten thousand, the contractor shall, on submitting the bill entitled to receive a monthly payment proportionate to the part of the work executed and to the satisfaction of the Engineer, whose certificate of the" sum so payable shall be final and conclusive against the contractor, provided the amount of work done is as per the value of intermediate certificate or for a lesser amount at the discretion of the Engineer as mentioned in the NIT. All such intermediate payments shall be regarded as payments by way of advance against the/ final payment only and not as payments for work actually done and completed and shall not preclude the requiring of bad, unsound, imperfect or unskilled work to be removed and taken away and reconstructed, or recreated or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim nor shall it conclude, determine, or affect in any way the powers of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or in any other way affect the contract. The final bill shall be submitted by the contractor within two months of the date fixed for the completion of work or of the date of the certificate of completion furnished by the Employer and payments shall be made within three months if the value of the completed works is upto Rupees Two lakhs and in six months if the same exceeds Rupees Two lakhs of the submission of such bill. If there shall be any dispute about any item or items of the work then the undisputed item or items only shall be paid within the said period of three months

or six months as the case may be.

- (b) Whenever there is likely to be delay in recording detailed measurements for making a running payment, advance payment without detailed measurements for work done worked out at 75 percent of the tendered rates for assessed quantities may be made in running account bills by the Employer on the basis of a certificate from the Engineer. The advance payments so allowed shall be adjusted in the subsequent running bills by taking detailed measurements thereof. Final payments shall be made only on the basis of detailed measurements.
- (c) A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer on printed forms obtainable from the Engineer's office. The Engineer shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted as far as possible, before the expiry of ten days from the presentation of the bills. If the contractor does not submit the bill within the time fixed as aforesaid the Engineer may take action within seven days of the date fixed as aforesaid, an authorised representative to measure up the said work in the presence of the contractor whose signature to the measurement will be sufficient warrant and the Engineer may prepare the bill from such measurements.
- (d) Before taking any measurement of any work the Engineer or his authorised representative deputed by him shall give reasonable notice to the contractors. If the contractor fails to attend after such notice or fails to sign or to record the difference within a week from the date of measurement in the manner required by the Engineer then in any such event the measurements taken by the Engineer or by the authorised representative deputed by him as the case may be, shall be final binding on the contractor and the contractor shall have no right to dispute the same.
- (e) The charges in the bills shall always be entered at the rates specified in the agreement or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the agreement at the determined as per clause-10. However in case of partially executed items of work, the Employer at his discretion allows proportionate rates for such items of work as determined by the Engineer whose certificate of the sum so payable shall be final and conclusive against the contractor.

26. Security Deposit

- (a) A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of the 5% tender value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him.

- (b) In case of termination of contract, this security deposit shall be forfeited and amount necessary to makeup this amount shall be recovered from money due to the contractor under this contract, or any Contract with the Employer.

27. Completion Certificate

Within ten days of the completion of the work, the contractor shall give notice of such completion to the Employer and within ten days of the receipt of such notice the Engineer shall inspect the work. If there is no defect in the work the Employer shall furnish the contractor with certificate of completion otherwise a certificate of completion indicating defects shall be issued but the work shall not be considered to be completed until the contractor shall have removed from the premises on which the work shall be executed all the scaffolding, surplus material, rubbish, and all the huts and sanitary arrangements required for his work, people on the site in connection with execution of the works as shall have been erected or constructed by the contractor and cleaned of the dirt, splashes, droppings of finishing items from all wood work, doors, windows, walls, floors or other parts of any 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. If the contractor shall fail to comply with requirements of this clause on or before the fixed for the completion of the work, the Employer may at the risk and cost of the contractor take action as he may think fit and the contractor shall have no claim except for any sum actually realised by the sale thereof.

28. Arbitration

- (a) Except where otherwise provided in the contract, all questions and dispute relating to the interpretation of the specification, designs, drawings and instructions, herein before mentioned, and as to the quality or workmanship or materials used in 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, specifications, estimates, instructions, orders on 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 completion or abandonment thereof, shall be referred to the sole arbitration of the person appointed by the Registrar, BIT Mesra. The arbitrator shall be appointed within 30 days from the receipt of a request by any party. The arbitrator to whom the matter is originally referred, being unwilling or unable to act for any reason, the Director General shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. The arbitrator shall give speaking award. The Award of the Arbitrator shall be final and binding on the parties. The cost of the Arbitrator shall be borne equally by both the parties.

- (b) It is also a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute. It is also a term of the contract that if the contractor does not make any demand for arbitration in respect of any claim in writing within 90 days of receiving the intimation from the Employer that the bill is ready for payment, the claim of the contractor will be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims.
- (c) Subject as aforesaid the provisions of the Arbitration and conciliation Act, 1996, or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration reference under this clause.

29. Dismantled Material:

The contractor shall treat all material obtained during dismantling of a structure, services sub systems/ installations, excavation of the site for a work etc., as employer's property and such material shall be disposed of to the best advantage of the Employer according to the instructions issued in writing by the Engineer.

30. Performance Guarantee

Performance Guarantee may be taken from the contractor before the award of work, by the officer authorized to award the contract, if and where considered necessary, to ensure that a part or whole of the contract is completed by the contractor. In case of non-performance this guarantee could be encashed.

SPECIAL CONDITIONS OF CONTRACT (SCC)

1. These special conditions are meant to amplify the general specifications and general conditions of contract.
2. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods or any other natural cause whatsoever during the execution of work. The damage to work will be made good by the contractor at his own cost, and no claim on this account shall be entertained.
4. All materials used shall be as per specifications and ISI marked wherever applicable. ISI marking referred relate to latest BIS code as published by Bureau of Indian Standards up to 30 days before the date of opening the tender.
5. The contractor shall give a performance test of the entire installation (s) as per standard specifications and/or as directed by the Engineer and will also submit Test Certificates as are required by Municipal / Electrical authority or any other authority. Nothing extra shall be payable for the same other than the fees paid to such authorities, which shall be reimbursed on production of receipts.
6. All the activities related to project shall be properly correlated before executing any work. However in case of any discrepancy, it will be the responsibility of contractor to sort out the matter in consultation with the Engg. in charge of the work. The decision of the Engineer in such cases will be final.

7. MATERIALS OBTAINED FROM DISMANTLEMENT

The contractors in course of their work should understand that all materials (e.g. stone and other materials) obtained in the work of dismantling, excavation etc. will be considered BIT Mesra's property and may be issued to the contractor if required for use in this work at rates approved by the Employer.

8. QUALITY CONTROL OF CONCRETE, BRICKWORK, ETC.

It shall be the responsibility of the contractor to ensure that the concrete producer provides all necessary testing equipments and takes all necessary measures to ensure quality control of concrete.

9. SCOPE OF WORK

Construction of building to be done as per the drawing & design of the Architect. The rates quoted should be for complete works in Civil, plumbing, electrical (excluding Electrical Fittings) with overhead RCC Water Tank (connection to be given from Water Tank to Main Line by contractor), Septic Tank, Soak Pit, parapet wall, headroom, waterproofing, external & internal painting, complete in all respects.

10. APPROVED MAKES:

S.No	NAME OF ITEMS	LIST OF APPROVED MANUFACTURERS/BRAND/ APPLICATION
1	Cement, (OPC/ PSC) NO PPC allowed	ACC/Lafarge/Ultratech
2	White Cement	Birla/J.K.
3	Ceramic Tiles Floor Tiles	Orient/ Kajaria/ Somany.
4	Ceramic Tiles For Dado (Savoy Beigh OT 4329 and Savoy Sandune OT 4330),Size:- (250X375)mm	Orient/ Kajaria/ Somany.
5	Vitrified Double Charge (DCP001), Size:-(605X605)mm	Orient/ Kajaria/ Somany.
6	Float Glass/Clear glass for glazing window	Saint Gobain
7	Flush Door	Green/Duro / Century
8	Extruded Aluminium sections	HINDALCO/ Jindal
9	UPVC rain water pipes with fittings	Astral/Supreme/Finolex
10	Exterior type acrylic based paint	Apex ultima of Asian Paint/ Dulux/ Berger
11	Wall Putty	Birla/JK
12	Distemper	Asian/ICI Dulux/Berger
13	Plastic Emulsion Paint	Asian/ICI Dulux/Berger
14	Synthetic Enamel Paint	Asian/ICI Dulux/Berger
15	Chemical/Mechanical Anchor Fastners	HILTI/BOSCH
16	Floor spring for aluminium door, Door Hardware	Hardwyn/Dorma/ Dorset
17	Fittings for Aluminium Doors and window	Starlock/ TPI
18	Water Proofing Compound/Admixtures	Sika /Fosroc/Dr.fixit

UNIVERSITY POLYTECHNIC BIT MESRA

Details of items for balance work of Work Shop at

(Indent No-1267 dater 09.01.17 and ERP No-1175)

S.N	Items	Unit	Quantity	Rate to be quoted	Amount in Rs.
1	Earthwork in excavation in foundation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50m	M3	38.85		
2	Providing designation 75-A, BRICK/ JHAMA FLAT SOLING/ joints filled with local sand including cost of watering, taxes and royalty all complete as per building specification and direction of Engineer Incharge	M2	871.97		
3	Providing coarse clean local SAND IN FILLING in foundation trenches or in plinth including ramming and watering in layer not exceeding 150 mm thick with all leads and 1.5 M lifts including cost of all materials, labours, royalty and taxes all complete as per building specification and direction of Engineer Incharge (Mode of measurement compacted volume)	M3	267.97		
4	Providing P.C.C.M - 100 with nominal mix of (1:3:6) in foundation and floor with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	M3	90.49		
5	Providing R.C.C.M - 250 with nominal mix of (1:1:2) in foundation of columns with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	M3	2.64		
6	Providing R.C.C.M - 250 with nominal mix of (1:1:2) in Super Structure of columns with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	M3	18.44		

7	Providing R.C.C.M - 250 with nominal mix of (1:1:2) in Plinth Beam with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	M3	2.89		
8	Providing designation 75 A brick work in C.M.(1 :6) In foundation and plinth with approved quality of clean coarse sand of F.M. 2 to2.5 including providing 10 mm thick mortar joints cost of screening materials , scaffolding , raking out joints to 15mm depth curing, taxes and royalty all complete as per building specification and direction of E/I.	M3	41.55		
9	Providing designation 75 A brick work in C.M.(1 :6) In super structure with approved quality of clean coarse sand of F.M. 2 to2.5 including providing 10 mm thick mortar joints cost of screening materials, scaffolding , raking out joints to 15mm depth curing, taxes and royalty all complete as per building specification and direction of E/I.	M3	77.84		
10	RCC M25 in Roof Slab- Providing R.C.C.M - 250 with nominal mix of (1:1:2) in roof slab with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete in all respects per building specification and direction of E/I.	M3	12.51		
11	RCC M25 in Roof Slab- Providing R.C.C.M - 250 with nominal mix of (1:1:2) in floor beam with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty complete in all respects as per building specification and direction of E/I.	M3	4.40		
12	Providing R.C.C.M - 250 with nominal mix of (1:1:2) in lintel band with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty , complete in all respects as per building specification and direction of E/I.	M3	24.51		
13	EARTH FILLING IN FOUNDATION TRENCHES AND PLINTH in layers not exceeding 150 mm thick well watered, rammed, fully compacted and fine dressed with earth obtained from excavation foundation trenches within a lead of 50 M and lift of 1.5 M all complete in all respects as per building specification and direction of E/I. (mode of measurement compacted volume)	M3	70.00		

14	Providing 6mm thick cement plaster (1:4) in ceiling with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.	M2	137.51		
15	Providing 12mm cement plaster (1:6) of inner wall with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete in all respects as per building specification and direction of E/I.	M2	836.47		
16	Providing designation 125 mm thick reinforced designation 75 A brick work in C.M (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials , scaffolding, raking out joints to 15 mm depth, curing, taxes and royalty (but excluding the cost of reinforcement) all complete in all respects as per building specification and direction of E/I.	M2	66.88		
17	Providing av. 63mm thick R.C.C.M - 250 with nominal mix of (1:1:2) in chajja with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including making drip course in concrete, screening, centering, shuttering and mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling and sides of chajja with sand of F.M. 1.5 curing (but excluding the cost of reinforcement) taxes, and royalty all complete in all respects as per building specification and direction of E/I.	M2	33.12		
18	Providing 12mm cement plaster (1:6) of outer wall with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete in all respects as per building specification and direction of E/I.	M2	911.11		
19	Supplying, fitting & fixing M.S. Window/Ventilator as per approved design and drawing properly fabricated with joints continuous fitted, welded and finished smooth, hoisting, including a coat of red oxide paint (primer) as per building specification and direction of E/I.	M2	89.10		
20	Supplying, fitting & fixing M.S. GRILL as per approved design and drawing properly fabricated with joints continuous fitted, welded and finished smooth, hoisting, including a coat of red lead paint (primer) complete in all respects as per building specification and direction of E/I.	Kg	438.37		
21	Supplying, fitting and fixing 20 gauge GCI sheet door fitted on M.S> angle frame of size 60X60X6mm including cost of fabrication providing necessary locking arrangement with haskal and domny duly fixed in PCC (1:2;4) blocks of required size applying a priming red lead paint over steel work, taxes all complete in all respects as per drawing specification and direction of E/I.	M2	17.32		
22	Providing and applying plaster of paris of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	M2	974.00		

23	2 coats of Distemper=Providing two coats of Distemper paint of approved shade and make over a coat of cement primer over new surface including preparing the plastered surface by rubbing smooth with pumice stone or fine sand paper applying putty wherever required scaffolding washing of floors and taxes all complete in all respects as per building specification and direction of E/I	M2	974.00		
24	Providing two coat of snowcem of approved shade and make over a coat of cement of primer on new surface including preparing the plastered surface smooth with sand paper, soaping, curing and taxes all complete in all respects as per building specification and direction of E/I.	M2	911.11		
25	Providing 2 coats of SYNTHETIC ENAMEL PAINT of approved shade and make over STEEL SURFACE grills, shutter, railings including cleaning the surface thoroughly scaffolding and taxes all complete in all respects as per building specification and direction of E/I.	M2	247.69		
26	Supply & fixing 4 mm thick Window Glass with putty, all complete in all respects as per the direction of E/I.	M2	89.10		
27	MS Rolling Shutter=Supplying fitting and fixing rolling shutter of approved size and make with push and pull operation properly fabricated with 80x1.22 mm MS latches of MS Sheet machine rolled and inter locked together through their length and jointed together at ends by ends locks mounted over 38 mm dia light MS black pipe shaft with end brackets made to size from 3 mm MS sheet guide channels made of 12 gauge sheet and 16/62 size SKF/NBC/equivalent bearings one piece lock plate with special two nos. 7 levers brass lock with inside and out side locking arrangement including coat of coiled type spring stoppers with one coat of primer , complete in all respects as per building specification and direction of E/I.	M2	33.36		
28	Providing and laying hydraulically machined pressed terrazzo tiles 20 mm thick in floor of approved texture with down marble chips of approved shade size and quality laid on 19 mm thick bed of cement mortar (1:3) mix with neat cement slurry mixed with pigment to match the shade of tiles between joints including rubbing and polishing to granolithic finish with approved quality of carborandum stone, complete in all respects as per building specification and direction of E/I.	M2	800.77		
29	Providing and laying hydraulically machined pressed terrazzo tiles 20 mm thick in skirting of approved texture with down marble chips of approved shade size and quality laid on 12 mm thick of cement mortar (1:3) mix with neat cement slurry mixed with pigment to match the shade of tiles between joints including rubbing and polishing to granolithic finish with approved quality of carborandum stone, complete in all respects as per building specification and direction of E/I.	M2	22.95		
30	Providing and laying 10 mm th. (or as per manufacturer)	M2	43.20		

	CERAMIC FLOOR TILES with water absorption less than 0.08% and confirming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as per building specification and direction of E/I. (SIZE OF TILE- 300X300 mm Orient Make.)				
31	Providing and laying 10 mm th. (or as per manufacturer) CERAMIC WALL TILES with water absorption less than 0.08% and confirming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete in all respects as per building specification and direction of E/I. (SIZE OF TILE- 200X300 mm Orient Make.)	M2	45.80		
32	Providing tor steel reinforcement of 8mm. dia. rods as per approved design and drawing excluding carriage of M.S. bars to work site , cutting, bending and binding with annealed wire with cost of wire, removal of rust placing the rods in position all complete in all respects as per building specification and direction of E/I. Taking TMT bars of FE 415 (only valid for SAIL & TATA STEEL)	MT	12.80		
33	Supply and fitting 100 mm dia CI Rain Water pipe with shoe and properly fixed with clamps and coated with one coat of primer and two coats of paints complete in all respects as per building specification and direction of E/I.	RM T	12.00		
34	Providing 25 mm thick DAMP PROOF COURSE with cement concrete M-20 with nominal mix 1:1.5:3 with approved quality of stone chips of 20 mm to 6 mm (20mm to 10 mm : 10 mm to 6 mm stone chips 2:1) size graded and clean coarse sand of F.M. 2.5 to 3 including screening, mixing cement concrete in mixer with 5% Cico or any other approved water proofing compound and placing in position, striking, curing taxes and royalty and complete as per building specification and direction of E/I.	M2	40.55		
35	Water proofing work on roof with cement, brick khawa and water proof chemical , 115 mm average thick, top layer to be finished with cement punning , done in proper slope complete in all respects as per direction of E/I.	M2	100.70		

***** Water and Electricity points, 1 Nos. each, will be provided by University Polytechnic BIT Mesra near to the Site.***

Total Contract value: -- Rs. _____/-

(In words: Rupees _____

_____) Inclusive of all Taxes and duties.