



ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR

Tender Document

For the work of

**Construction of School of Public Health at Ground Floor of Medical College,
AIIMS Raipur**

(NIT No: 06/SE/AIIMS/2014-15)

Certified that this document contain **35** Printed pages including this cover page.

Issued to/Downloaded & Submitted by: _____

NIT FOR Rs. 1,69,22,800/-

**(SUPERINTENDING ENGINEER)
(PROJECT CELL)
AIIMS RAIPUR**

Sign of Contractor

IMPORTANT INSTRUCTIONS TO TENDERERS WHO HAVE DOWNLOADED THE TENDER DOCUMENT FROM WEB

The tenderers who have down loaded the tenders from the web, should read the following important instructions carefully before actually quoting the rates & submitting the tender documents:-

The tenderer should see carefully & ensure that the **complete tender document** including schedule of quantity as **per the index** given on page '3' has been down loaded & there are **35 pages** in all in the tender document.

The printout of tender document should be taken on A4 size paper only & the printer settings etc are such that document is printed as appearing in the web & there is no change in formatting, number of pages etc.

The tenderer should ensure that no **page** in the down loaded tender document is **missing**.

The tenderer should ensure that all pages in the down loaded tender document are **legible & clear** & are printed on a good quality paper.

The tenderer should ensure that **every page** of the down-loaded tender document is **signed by tenderer with stamp (seal)**.

On page **4** of the down loaded tender document, the name of the tenderer should be filled by the tenderer.

The tenderer should ensure that the down loaded tender document is **properly bound and sealed** before submitting the same.

The loose / spiral bound and/or not properly sealed tenders shall be rejected out-rightly.

In case of any correction/addition/alteration/omission in the downloaded tender document, it shall be treated as non-responsive tender and shall be rejected.

The tenderer shall furnish a declaration to this effect that no addition/ deletion/corrections have been made in the tender document submitted and it is identical to the tender document appearing on Web-site.

The tenderer should read carefully & **sign the declaration** given on the page No.04 before submitting the tender.

The **cost of tender** should be submitted along with the EMD as detailed in NIT.

In case of any doubt in the down loaded tender, the same should be got clarified from (Tender inviting authority) before submitting the tender.

CONTRACTOR

**SUPERINTENDING ENGINEER
(PROJECT CELL)
AIIMS RAIPUR**

Sign of Contractor

ITEM RATE TENDER & CONTRACT

ABRIDGED FORM INDEX

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DECLARATION

(TO BE GIVEN BY THE TENDERERS WHO HAVE DOWNLOADED THE TENDER DOCUMENT FROM THE WEB)

It is to certify that:

- 1) I / We have submitted the tenders in the proforma as downloaded directly from the website & there is no change in formatting, number of pages etc.
- 2) I/ We have submitted tender documents which **are same / identical** as available in the website.
- 3) I / We have **not made any modification / corrections / additions etc** in the tender documents downloaded from web by me / us.
- 4) I / We have checked that **no page is missing** and all pages as per the index are available & that all pages of tender document submitted by us are **clear & legible**.
- 5) I / We have **signed (with stamp) all the pages** of the tender document before submitting the same.
- 6) I / We have sealed the tender documents properly before submitting the same.
- 7) I / We have submitted the **cost of tender** along with the EMD.
- 8) I have read carefully & understood the important instructions to the all tenderers & to tenderers who have down loaded the tenders from the web.
- 9) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, AIIMS RAIPUR shall have the absolute right to take any action as deemed fit without any prior intimation to me / us.
- 10) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, the tender / work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage whenever it is so noticed. The department will not pay any damages to me / us on this account.
- 11) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, I / We may also be debarred for further participation in the tender in the concerned AIIMS RAIPUR Civil Zone & would also render me / us liable to be removed from the approved list of contractors of the Department.

Dated

(CONTRACTOR)
(SIGN WITH SEAL)

Sign of Contractor

SAMPLE APPLICATION FORM
(In case of Tender schedule to be got issued from office.)

To,
SUPERINTENDING ENGINEER
(PROJECT CELL)
AIIMS RAIPUR

Subject: - Purchase of Tender Document.

Sir,
I / We hereby request that permission may me be granted to me/ us for the purchase of Tender documents. The details are as under.

1	Name of work	Construction of School of Public Health at Ground Floor of Medical College, AIIMS Raipur
2	Estimated Cost Put to Tender	16922800/-
3	Last date for submission of Application for issue of Tender Documents.	<u>26.12.2014.</u>
4	Date of submission of Tender	<u>29.12.2014.</u>
5	Officer Inviting the Tender	SUPERINTENDING ENGINEER (PROJECT CELL) AIIMS RAIPUR
6	Name of Contractor (As mentioned in enlistment letter)	
7	Class in which Registered / Enlisted Class Tendering Limit Valid up to	
8	Registering / Enlistment Authority. Please also submit Xerox copy of the Enlistment letter.	
9	a. Details of work completed during past 07 years. Please submit Xerox copies of the completion certificate. b. PI enclose the list of works in hand (refer Para 1.3 of NIT AIIMS RAIPUR W 6)	. Name of work 1 2 3 4 (USE SEPARATE SHEET IF REQUIRED)
10	Details of Cost of Tender Documents submitted. (Pl. enclose.)	Cash/DD/PO No..... Dated Drawn on Bank Amount
11	Details of EMD submitted. (Pl. enclose.)	Cash/DD/PO No..... Dated Drawn on Bank Amount

It is hereby declared and certified that all the above information is correct and true to my/our knowledge and belief. I/We have neither suppressed nor concealed any information which is having or may have bearing upon issue to tender documents by AIIMS RAIPUR to me/us.
Encl.:- As above.

Date

Signature of Contractor

Place

Name of the person.....

Sign of Contractor

ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR
NOTICE INVITING TENDER

NIT No: 06/SE/AIIMS/2014-15

Sealed item rate tenders are invited by **SUPERINTENDING ENGINEER (PROJECT CELL) AIIMS RAIPUR** on behalf of AIIMS Raipur for the following work from approved and eligible Contractors of appropriate class registered in CPWD, DOP, MES, BSNL, Railways, Chhattisgarh State PWD (B&R).

Name of work	Estimated cost	E.M.D.	Period of completion
Construction of School of Public Health at Ground Floor of Medical College, AIIMS Raipur	16922800/-	3,38,500/-	06 (Six) Months.

1.0- Criteria of eligibility for issue of tender documents:

- (i) The Applicant should have Experience of having successfully completed works during the last 07 Seven Years ending last day of the month previous to the one in which applications are invited:
- (a) Three similar completed works costing not less than the amount equal to 40% of estimated Cost Put to tender,
Or
- (b) Two similar completed works, costing not less than the amount equal to 60% of the estimated Cost put to tender,
Or
- (c) One similar completed work of aggregate cost not less than the amount equal to 80% of the estimated cost.

And

(ii) One Completed work of any nature (either part of (i) or a separate one) costing not less than the amount equal to 40 % of the estimated cost put to tender with some Central Government Department / State Government Department/ Central Autonomous Body/ Central Public Sector undertaking.

(Note:- 1.0 (ii) not applicable in case of specialized works)

Similar works means "Building works with services like plumbing, sanitary, water supply etc."

A certificate to this effect shall be produced by the tenderer from an officer of the rank not below the rank of Executive Engineer in the Government/ DGM in PSUs/ Chief Project Manager or equivalent in other organisations.

Contractor shall have to associate an electrical contractor having a valid Electrical License of appropriate voltage issued by State Govt. And the same has to be submitted along with tender.

2.0 Agreement shall be drawn with the successful Tenderer on prescribed Form No. CPWD W-7/8, which is available in office of S.E. (PROJECT CELL) /AIIMS RAIPUR. Tenderer shall quote his rates as per various terms and conditions of the said form, (In case" Tender Documents" are downloaded from the AIIMS RAIPUR Website in which rates/percentage are to be quoted should be properly bound and sealed) which will form part of the agreement.

3.0 The time allowed for carrying out the work will be 06 (SIX) months from the seventh day after the date of issue of letter of award of work, or, from the first day of handing over of the site, whichever is later, in accordance with phasing, if any, indicated in the Tender Document

4.0 The site for the work is available.

5.0 The last date of receipt of applications for issue of tender forms (in prescribed format/can also be downloaded from AIIMS RAIPUR website www.aiimsraipur.edu.in) and date of issue of tender forms will be as follows:

- i) Last date of receipt of application **26.12.2014** up to 16.00 hours.
ii) Last date of issue of tender forms **27.12.2014**

6.0 Tender form can be down loaded from the AIIMS RAIPUR website www.aiimsraipur.edu.in/Tenders and shall be submitted along with following :-

Sign of Contractor

(i) Earnest money of ` 3,38,500/- (**Three Lakhs Thirty Eight Thousand Five Hundred Only**) in cash//Banker's cheque deposit at Call receipt of a scheduled bank / fixed deposit receipt of a scheduled bank / demand draft of a scheduled bank issued in favour of **AIIMS RAIPUR** . When amount of earnest money is more than ` 5 lakhs, part of the earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money (but not less than ` 5 lakh) or ` 25 lakh, whichever is less, will have to be deposited in the shape prescribed above. For balance amount of earnest money, bank guarantee will also be acceptable.

(ii) The tender shall be accompanied by Earnest Money along with cost of tender, if not paid earlier as in the case of down loaded tender from Website in the form as detailed at sub Para ii) above.

Note: Money due to contractor in any other work or earnest money of the previous call of the same work shall not be adjusted towards earnest money.

7.0 Tenders, which should always be placed in sealed envelope, in the manner detailed at Para 9 below, will be received by the OFFICE OF S.E. PROJECT CELL AIIMS RAIPUR up to 15.00 Hrs on 29.12.2014 and will be opened by him or his authorized representative in his office on the same day at 15.30 Hrs. After opening the main envelope 3, the envelope 1 containing the Earnest Money along with the cost of the tender as applicable and eligibility credentials shall be opened first. The envelope 2 containing tender shall be opened only for those tenderers whose Earnest Money, cost of tender and eligibility is found in order.

The unopened tenders shall be returned to the tenderers after the final decision on the tender is reached

8. The description of the work is as follows: -

Construction of School of Public Health at Ground Floor of Medical College, AIIMS Raipur

9.0 Submission of tender: -Tender shall be submitted in following manner:

9.1 In case the tender document is down loaded from AIIMS RAIPUR website

9.1.1 "Earnest money plus cost of Tender and eligibility credentials" shall be placed in sealed envelope-1. Marked 'Earnest money plus cost of Tender and eligibility credentials'.

9.1.2 The Tender shall be placed in sealed envelope-2 and will be superscripted as Tender

9.1.3 The sealed envelope no. 1&2 as above containing Earnest money plus cost of Tender, Eligibility Credentials", and the tender shall be placed in another sealed envelope -3.

9.1.4 All the three envelopes shall be superscripted with following data on it.

(i) Name of work

(ii) Name of tenderer

(iii) Last date of receipt of tender

9.2 In case tender document is purchased from office of SE, Project Cell AIIMS Raipur.

9.2.1: Proof for paying the cost of tender documents, proof of payment of EMD and copies of documents showing eligibility credentials to be placed in sealed envelope no.1

9.2.2: Envelope no. 2 will be as per Para 9.1.2.

9.2.3: The sealed envelopes 1&2 shall be placed in another sealed envelope no3

9.2.4: same as 9.1.4

Note: In case the eligibility credentials are not found in order at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in AIIMS RAIPUR for **three** years including any other action under the contract or existing law.

9.3 The tender in which rates / percentage are to be quoted should be properly bound and sealed. Loose/spiral bound submission (in case the tender is down loaded from website) shall be rejected out rightly. In case of any correction/addition/ alteration/omission in tender document vis-a-vis tender document available on website shall be treated as non-responsive and shall be summarily rejected.

9.3.1 The Tender submitted in the following manner shall be considered as not properly bound and sealed

a) Loose/spiral bound tender

b) Stapled tenders without wax seal or without PVC tape.

Sign of Contractor

c) Tender tied with thread/tag without wax seal or without PVC tape.

9.3.2 In all such cases of tender schedules not properly bound and sealed the rates of the tenderers shall not be disclosed and following procedure shall be adopted.

a) Such tenders shall be stapled immediately on all four sides in the presence of contractors and officers present at the time of opening of tender with certificate on the front page of the tender as well as in tender opening register by tender opening officer and by contractors and other officers present that the rates were not disclosed due to reasons of either of (a) to (c) in Para 9.3.1 and gain kept in envelop.

b) The above schedule with envelop shall be returned to the contractor after the decision on the tender is taken by the competent authority.

10 Copies of other drawings and documents pertaining to the work will be open for inspection by the tenderers at the office of the above-mentioned officer.

10.1 Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general, shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and on all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the AIIMS RAIPUR and local conditions and other factors having a bearing on the execution of the work.

10.2.1 The work should be carried out in such a manner that sites shall be free of any construction /excavated materials or labour huts etc. and the accessible to other agencies (i.e. erection of tower, electrical works etc.) to carry out their works simultaneously. Contractor must provide congenial atmosphere and extend full co-operation to other agencies for execution of their works.

11 The competent authority on behalf of ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.

12 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

13 The competent authority on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR reserves with 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 rate quoted.

14 The company or firm or any other person shall not be permitted to tender for works in AIIMS RAIPUR in which his near relative (s) (directly recruited or on deputation/Contract in AIIMS Raipur) is/are posted in any capacity either non-executive or executive employee. Near relative (s) for this purpose is/are defined as:

- (i) Member of Hindu Undivided family (HUF).
- (ii) They are Husband and Wife.
- (iii) The one is related to other in the manner as father, mother, son(s) & Son's wife (daughter-in-law), Daughter(s), Daughter's husband (son-in-law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

The contractor 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 relative to any executive employee/ gazetted officer in the AIIMS RAIPUR .

Sign of Contractor

All the intending tenderers will have to give a certificate that none of his/her such near relative (s) as defined above is/are working in the concerned AIIMS RAIPUR Civil Zone where he is going to apply for tender/work. The format of the certificate is as under:-

“I, _____ s/o Shri _____ Resident of _____ hereby certify that none of my relative (s) as defined above is/are employed in concerned AIIMS RAIPUR . In case at any stage, it is found that the information given by me is false/incorrect, AIIMS RAIPUR shall have the absolute right to take any action as deemed fit without any prior intimation to me”.

The certificate in case of Proprietorship Firm shall be given by the proprietor; for Partnership Firm certificate shall be given by all partners and in case of Limited Company, by all Directors of the company. However, Government of India/Financial Institutions nominees and independent non-official part-time Directors appointed by Govt. of India or the Governor of the State are excluded from the purview of submission of this certificate while submitting tenders by Limited Companies.

Any breach of these conditions by the Company or Firm or any other person, the tender/work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage, whenever it is so noticed. AIIMS RAIPUR will not pay any damages to the company or Firm or the concerned person but damages arising on account of such cancellation to be borne by the contractor. The Company or Firm or the person will also be debarred for further participation in the tender in the AIIMS RAIPUR

15. No Engineer of Gazetted rank or other Gazetted Officer employed in engineering or administrative duties in an Engineering Department of the Government of India/State Government or PSU's is allowed to work as a contractor for a period of two years after his retirement from Govt. service, without previous permission of the Govt. of India or AIIMS RAIPUR in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Govt. of India/State Government or PSU's as aforesaid before submission of the tender or engagement in the contractor's service.
16. The tender for the work shall remain open for acceptance for a period of **60 (Sixty)** days from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the AIIMS Raipur, then the AIIMS RAIPUR shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.
17. This Notice Inviting Tender (CPWD W-6) shall form a part of the Contract Document. In accordance with clause 1 of the contract, the letter of acceptance shall be issued first in favour of the successful Tenderer/Contractor. After submission of the performance guarantee, the letter of award shall be issued. The contract shall be deemed to have come into effect on issue of letter of acceptance of the tender. On issue of letter of award, the successful Tenderer/Contractor shall, within 30 days from such date, formally sign the agreement consisting of: -
 - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender, and, as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard CPWD W-7/8 as available on Office of SE, Project Cell, AIIMS Raipur.
 - c) Agreement signed on non-judicial stamp paper as per Performa annexed to the tender document
18. Payment to the contractors shall be made through e-payment system like ECS & EFT as detailed below: -
 - (a) In cities/areas where ECS/EFT facility is provided by Banks, the tenderer must have Account in such ECS/EFT facility providing Banks and that Bank A/c No shall be quoted in the tender by the tenderer.
 - (b) The cost of ECS/EFT will be borne by AIIMS RAIPUR in all cases where the payment to contractor is made in a local Branch i.e. tenderer is having bank account in the same place from where the payment is made by AIIMS RAIPUR unit.
 - (c) In case payment is made to outside branch i.e. tenderer is having bank account not in the same place from where the payment is made by AIIMS RAIPUR unit, the crediting cost will have to be borne by the tenderer only.
 - (d) The payments to contractors will compulsorily be made through ECS/EFT in respect of all contracts where the value of the contract is more than Rs. 10 lakhs.
19. First running account bill shall be paid only after
 - (a) Signing of the Agreement/Contract by both the parties, and
 - (b) Progress chart has been prepared as required under Clause 5 and approved by the competent authority.
20. If a contractor after purchasing the tender does not quote consecutively on three occasions, the contractor may be debarred

Sign of Contractor

for further purchase of tenders for a period of six months.

21. General conditions of contract for works in ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR are available in the office of S.E. (PROJECT CELL), AIIMS RAIPUR. Contractors should go through the different clauses of “CPWD General Conditions of Contract 2010” corrected up-to-date before quoting the rates.
23. The tenderer shall furnish a declaration to this effect (In case of downloaded tender) that no addition/deletion/correction have been made in the tender document submitted and it is identical to the tender document appearing on website. Every page of down loaded tender shall be signed by the tenderer with stamp (seal) of his firm/organisation.
24. The tenders with any conditions including that of conditional rebates shall be rejected forthwith. However the tenderers may quote un-conditional rebates.
25. In case of difference between downloaded tender document and model tender document kept in the O/o AIIMS RAIPUR, the latter shall be treated as correct. The tenderers may see and compare the downloaded tender documents from the model tender document kept in the O/o (Tender Inviting Authority) for its correctness. No claim shall be entertained on this ground.
26. **CONDITION FOR EPF:-** The contractor shall furnish EPF registration certificate at the time of entering into the agreement. In case agency fails to submit EPF registration certificate, he may be allowed to enter in to the agreement on production of Indemnity bond certificate in favour of AIIMS RAIPUR against any EPF liability. Failure to comply the condition stated above, full EMD will be forfeited to AIIMS RAIPUR & no claim what so ever shall be entertained on this account.

Signature & name of

SUPERINTENDING ENGINEER
PROJECT CELL
AIIMS, RAIPUR.

For & on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RAIPUR

Sign of Contractor

ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR

Item Rate Tender & Contract for Works

Tender for the work of Construction of **School of Public Health at Ground Floor of Medical College, AIIMS Raipur**. To be submitted by 15.00 hours on date to Office of S.E. Project cell, AIIMS ,Raipur.

(i) To be opened in presence of tenderer who may be present at **15.30** hours On 29.12.2014 in the office of S.E. Project cell, AIIMS ,Raipur

Issued to: _____ (Contractor)

Signature of officer issuing the documents

Designation

Date of Issue _____.

SUPERINTENDING ENGINEER.

Project Cell,
AIIMS ,Raipur

T E N D E R

I/We have read and examined notice inviting tender, schedule, A, B, C, D, E & F. specifications applicable, Drawings & Design, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the Conditions of Contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR within the time specified in schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of the contract and with such materials as are provided for, by and in respect in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 60 (**Sixty**) days from the due date of submission thereof and not to make any modifications in its terms and conditions. If I/We withdraw my/our tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the AIIMS RAIPUR, then the AIIMS RAIPUR shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

A sum of _____ has been deposited in prescribed manner as earnest money. If I/We fail to commence the work specified I/We agree that the said ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise The said earnest money shall be retained by competent authority on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR towards Security Deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

I/We agree to deposit an amount equal to 5% of Tendered value of the work as performance guarantee in the form of bond of any Scheduled Bank of India in accordance with the proforma prescribed or in the form of Fixed Deposit Receipt etc.(in cash if amount is less than Rs. 10000/-), within 15 days of the issue of letter of acceptance of Tender by the AIIMS RAIPUR. I/We am/are aware that in the event of failure on my/our part to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled

I/We hereby intimate that for receiving payments I/we have an account in _____ Bank with account No. _____ Where the ECS/EFT facility of e-payment is available.

Sign of Contractor

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there-from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

I/We agree that should I/We fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the AIIMS RAIPUR and the same may at the option of the competent authority on behalf of the AIIMS RAIPUR be recovered without prejudice to any right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.

The information in respect of works in hand is as per proforma enclosed.

“I/We agree that this contract is subject to jurisdiction of Court at Raipur only”. (Where the N.I.T./Tender has been issued)

Dated.....

Witness: (_____) Signature of Contractor
Address: Postal Address:
Occupation:

ACCEPTANCE

The above tender (as modified by you (Contractor) and as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR for a sum of Rs. _____ (Rupees _____)

_____)

The letters referred to below shall form part of this Contract Agreement:-

- (a)
- (b)
- (C)

For & on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR.

Signature _____

Dated

Name and Designation

Sign of Contractor

GENERAL RULES AND DIRECTIONS
ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR

- General Rules and Directions
1. All work proposed for execution by contracts will be notified in a form of invitation to tender duly signed by the officer inviting tender will be displayed on the notice board /pasted in public places or by publication in News papers as the case may be and shall be on the AIIMS RAIPUR website www.aiimsraipur.edu.in
 2. This form will state the work to be carried out, as well as the date for receipt of application, the date of submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from the bills. Copies of the specifications, designs and drawings and any other documents, required in connection with the work signed for the purpose of identification by the officer inviting tender, shall also be open for inspection at the office of the officer inviting tender during office hours.
 2. In the event of the tender being submitted by a firm, it must be signed separately by each Partner thereof or by the partner(s) as specified in the partnership deed or by the person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1932.
 3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partner(s) or by the partner(s) as specified in the Partnership Deed by the person holding a power of attorney authorizing him to give effectual receipts for the firm.
 4. Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort including conditional rebates, will be summarily rejected. No single envelope shall include tender for more than one work, but contractors who wish to tender for two or more works shall submit separate envelope for each. The rate(s) must be quoted in decimal coinage. Amount(s) must be quoted in full rupees by ignoring fifty paise and less, and, considering more than fifty paise as rupee one.
- Applicable for Item Rate Tender Only (CPWD W-8)
- 4A. In case of Percentage Rate Tenders, tenderer shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule-A, will be willing to execute the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the work to which they refer, written on the envelopes.
- Applicable for Percentage Rate Tender Only (CPWD W-7)
5. The officer inviting tender or his duly authorised assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. A receipt of earnest money, forwarded therewith, shall be given to all contractors. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the contractor, remitting the same, without any interest.
 6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
 7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement of payment, to the officer inviting tender and the contractors shall be responsible for seeing that he procures a receipt signed by the AO/ Sr. AO or a duly authorised Cashier.
 8. The memorandum of work tendered for and schedule of the materials to be supplied by the AIIMS RAIPUR and their issue-rates shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.

9. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender document, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them
- 9A Use of correcting fluid, anywhere in tender document is not permitted. Such tender is liable for rejection.
10. In case of Item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates, which correspond with the amount worked out by the contractor, shall, unless otherwise proved, be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will, unless otherwise proved, be taken as correct and not the amount. In the event of no rate has been quoted for any item (s) then the rate for such item(s) will be considered as zero and work will be required to be executed accordingly. It will be presumed that the contractor has included the cost of his / these items(s) in other items(s)
- Applicable for Item Rate Tender Only (CPWD W-8)
- 10 A. In case of Percentage Rate Tenders, only percentage quoted shall be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractor in percentage rate tender shall be accurately filled in figures and words, so that there is no discrepancy. However if the contractor has worked out the amount of the tender and if any discrepancy is found in the percentage quoted in words and figures, the percentage which corresponds with the amount worked out by the contractor shall, unless otherwise proved, be taken as correct. If the amount of the tender is not worked out by the contractor or it does not correspond with the percentage written either in figures or in words then the percentage quoted by the contractor in words shall be taken as correct. Where the percentage quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the percentage quoted by the contractor will, unless otherwise proved, be taken as correct and not the amount.
- Applicable for Percentage Rate Tender Only (CPWD W-7)
11. In case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.
12. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word Rs. should be written before the figure of Rs. and word 'P' after the decimal figures, e.g. 'Rs.2.15 P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the rate in words and it should not be written in the next line.
- Applicable for Item Rate Tender Only (CPWD W-8)
- 12 A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word 'Rs' should be written before the figure of rupees and the word P after the decimal figures, e.g. 'Rs.2.15P and in case of words, the word 'Rupees' should precede and the word 'Paise' should be written at the end.
- Applicable for Percentage Rate Tender Only (CPWD W-7)
13. (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.

(ii) The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills of the contractor at the rates mentioned above and the earnest money deposited at the time of tenders, will be treated as a part of the Security Deposit. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or State Bank of India will also be accepted for this purpose

14. On acceptance of the tender, the name of the accredited representative(s) of the contractor, who would be responsible for taking instructions from the Engineer-in-Charge, shall be communicated in writing to the Engineer-in-Charge.
15. Sales-tax/VAT (except service tax), purchase tax, turnover tax or any other tax applicable in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor..
16. The contractor 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 relative to any executive employee/ gazetted officer in the AIIMS RAIPUR or Department of Telecom or in the Ministry of Communications.
17. The tender for the work shall not be witnessed by a contractor or contractors who himself / themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, the tender of the contractors, tendering, as well as witnessing the tender, liable to summary rejection.
18. The tender for composite work includes in addition to building work all other works such as sanitary and water supply installations, drainage installation, electrical work, horticulture work, roads and paths etc.. The tenderer apart from being a registered contractor (B&R) of appropriate class, must associate himself with agencies of appropriate class, which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.
19. The contractor shall submit list of works which are in hand (progress) in the following form:-

Name of Work	Name and Particulars of Division where work is being executed	Value of Work	Position of Work in progress	Remarks
1	2	3	4	5

20. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer, may in his discretion, without prejudice to any other right or remedy, available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

CONDITIONS OF CONTRACT

- Definitions**
1. The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them: -
 - i) The expression **Works** or **Work** shall, unless there be something, either in the subject or context, repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
 - ii) The **Site** shall mean the land/or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
 - iii) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of 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, firm or company.
 - iv) The **Engineer-in-Charge** means the Engineer Officer who shall supervise and be in-charge of the work and who shall sign the agreement on behalf of the ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR as mentioned in Schedule 'F' hereunder.
 - v) **Accepting Authority** shall mean the authority mentioned in Schedule 'F'
 - vi) **Excepted Risk** are risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Government, damages from aircraft, acts of God, such as earthquake, lightning and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by AIIMS RAIPUR, of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to AIIMS RAIPUR's faulty design of works.
 - vii) **Market Rate** shall be the rate as decided by the Engineer-in-Charge on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in schedule 'F' to cover, all overheads and profits.
 - viii) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued up to the date of receipt of the tender.
 - ix) **Tendered Value** means the value of the entire work as stipulated in the letter of award.
 - x) The **Date of award of work** shall denote the date of issuance of communication of acceptance of the tender.
 3. Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
- Scope and Performance**
4. Headings and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract
 5. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all the drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract
 6. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment's and transport which may be required in preparation of and for items given in the schedule of Quantities (Schedule-A) shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.
- Works to be carried out**
7. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
- Sufficiency of Tender**
- The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small-scale drawings figured dimensions in preference to scale and special conditions in preference to General Conditions.

**Discrepancies
& adjustments
of Error**

- 8.1 In the case of discrepancy between the schedule of Quantities, and the Specifications etc., the following order of preference shall be observed:
- i) Description of Schedule of Quantities.
 - ii) Particular Specification and Special Condition, if any.
 - iii) CPWD Specifications.
 - iv) Indian Standard Specifications of B.I.S.

8.2 If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

8.3 Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

9 The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall, within 15 days of award of work sign the contract consisting of:-

**Signing of
Contract**

- i) The notice inviting tender AIIMS RAIPUR general Terms & Conditions of contract for Civil Works Civil Wing 2006, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- ii) Standard form as mentioned in Schedule 'F' consisting of
 - a) Various standard clauses with correction(s) up to the date stipulated in Schedule 'F' along-with Annexes thereto.
 - b) Safety Code.
 - c) Modal Rules for the protection of Health and Sanitary arrangements for Workers employed by AIIMS RAIPUR or its contractors.
 - d) Contractor's Labour Regulations.
 - e) List of Acts and omissions for which fines can be imposed.

PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each of the intending tenderer)

SCHEDULE “A”

Schedule of Quantities (as per PWD-3) **Please refer enclosed sheets from Page 21 to 35.**

Contractor shall fill up and tender his rates in words and in figures legibly for all the items of work only in this schedule ‘A’ and not anywhere else.

SCHEDULE “B”

Schedule of Materials to be issued to the contractor

S. No.	Description of Item	Quantity	Rates in figures & words at which the materials will be charged from the contractor	Place of issue
1	2	3	4	5
DELETED				
SCHEDULE “C”				
Tools and Plants to be hired to the contractor				
S. No.	Description of Item	Hire charges per day	Place of issue	
1	2	3	4	
DELETED				
SCHEDULE “D”				
General Instructions, Additional Conditions, additional specifications etc-enclosed.				
SCHEDULE “E”				
Reference to General Conditions of contract.				
Name of Work: : Construction of School of Public Health at Ground Floor of Medical College, AIIMS Raipur				
Estimated cost of work: Rs 1,69,22,800/-				
(i) Earnest Money: Rs 3,38,500/-				
(ii) Performance Guarantee : 5% of tendered value				
(iii) Security Deposit : 5% of tendered value				
Not applicable				
SCHEDULE “F”				
GENERAL RULES AND DIRECTIONS				
Officer inviting tender			S.E. (PROJECT CELL), AIIMS RAIPUR	
Maximum percentage for quantity of				

items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3		Superstructure Foundation	30% (Thirty Percent) 100%(Fifty Percent)
Definitions		See below	
2(v)	Engineer-in charge	E.E. Project Cell,AIIMS Raipur	
2(viii)	Accepting Authority	S.E., AIIMS Raipur	
2(x)	Percentage on cost of materials and labour to cover all overheads and profit	15 % (FIFTEEN PERCENT)	
2(xi)	Standard Schedule of Rates	CPWD DELHI SCHEDULE OF RATES – 2014 Including Correction Slips issued till the Date of Opening of Tender.	
9(ii)	Standard Contract Form	CPWD W 7/8 form as modified and corrected up to date correction slips as on the date of opening.	
Clause 1			
(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance		15 (Fifteen) days	
(ii) Maximum allowable extension beyond the period provided in (i) above		15 (Fifteen) days	
Clause 2			
	Authority for fixing compensation under Clause 2	Director, AIIMS Raipur	
Clause 2 A			
Whether Clause 2 A shall be applicable		NO	
Clause 3 A		Not Applicable	
Clause 5			
i) Time allowed for execution of Work.		06 (Six) Months	
ii) Authority to give fair and reasonable extension of time For completion of work.		Director, AIIMS Raipur	
Clause 6 A		Not Applicable	
Clause 7			
Gross value of work to be done together with net payment /adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment.		10 (TEN) LACS	
Clause -10		NOT APPLICABLE	
Clause -10C		NOT APPLICABLE	

Clause -10C A		NOT APPLICABLE					
Clause 11							
Specification to be followed for execution of work.		CPWD Specification 2009 Vol-I & II with up to date Correction Slips issued and revised till the Date of Opening of Tender and/ or as per specification given in nomenclature of items					
Clause 12							
12.2 & 12.3	Limit for value of any item of any individual trade beyond which clauses 12.2.& 12.3 shall apply	Superstructure		30 % (Thirty Percent)			
		Foundation		100%(Hundred Percent)			
Clause 16							
Competent authority for deciding reduced rates.		Director, AIIMS Raipur					
Clause 25							
Competent authority for conciliation		Director, AIIMS Raipur					
Clause 36(i)							
Requirements of Technical Representative(s) and Recovery Rates							
S.No	Minimum Qualification of Technical Representative	Discipline	Designation	Minimum Experience	No	Rate at which recovery shall be made to contractor in the event of not fulfilling the provision of clause 36(i)	
						Fig.	words
01.	Graduate Engineer	Civil	Principal Technical Representative	05 Yrs.	01	15,000/-	Fifteen thousand only
Assistant Engineers Retired from Govt. Services that are holding Diploma will be treated at par with Graduate engineers.							
Clause 42							
i) (a)	Schedule / statement for determining theoretical quantities of cement	Delhi Schedule of Rates 2014 printed by CPWD.					
ii)	Variation permissible on theoretical quantities						
a)	Cement for works with estimated costs put to tender						
	i) not more than Rs. 5 lakhs	3 % minus					
	ii) more than 5 lakhs	2 % minus					
b)	Steel reinforcement and structural steel sections for each diameter, section and category.	2 % minus					

CONTRACTOR

**SUPERINTENDING ENGINEER
(PROJECT CELL)
AIIMS RAIPUR**

Sign of Contractor

SCHEDULE OF QUANTITY

Name of Work :Construction of School of Public Health at Ground Floor of Medical College, AIIMS Raipur

S.No.	Description of Item	Unit	Qty	Rate	Amount
<u>Sub Head - 1: REINFORCED CEMENT CONCRETE WORK:</u>					
1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cu m	9		
2	Centering and shuttering including strutting, propping etc. and removal of form for :				
a)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sq m	120		
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
a)	Thermo-Mechanically Treated bars	Kg	1200		
<u>Sub Head - 2: BRICK WORK</u>					
4	Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139, class designation 10 average compressive strength in super structure above plinth level up to floor V level in				
a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cu m	60		
5	Half brick masonry with non modular fly ash lime Gypsum bricks (FALG) bricks) of class designation 10, conforming to IS: 12894, in superstructure above plinth and up to floor V level.				
a)	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Sq m	850		
<u>Sub Head - 3: MARBLE & GRANITE WORK</u>					
6	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre moulded and pre polished, machine cut for kitchen platforms, vanity counters, window sills, fascias 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.				
a)	Granite of any colour and shade				
i)	Area of slab over 0.50 sq m	Sq m	10		

Sub Head - 4: WOOD AND PVC WORK

7	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :			
a)	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sq m	90	
8	Providing and fixing aluminum die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	45	
9	Providing and fixing aluminum sliding door 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 nuts and screws etc. complete:			
a)	300x16 mm	each	30	
b)	250x16 mm	each	10	
10	Providing and fixing aluminum 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:			
a)	250x10 mm	each	45	
11	Providing and fixing aluminum pull bolt lock, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	11	
12	Providing and fixing aluminum 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:			
a)	125 mm	each	90	
13	Providing and fixing aluminum 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.			
a)	Twin rubber stopper	each	45	
14	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete .			
		each	10	

Sub Head - 5: STEEL WORK

15	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm pressed, mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:			
a)	Profile C Fixing with adjustable lugs with split end tail to each jamb	metre	220	
Sub Head - 6: FLOORING				
16	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished, 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.			
a)	Granite of any colour and shade			
i)	Area of slab over 0.50 sqm	Sq m	205	
17	Providing and fixing 1st quality ceramic glazed wall 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 @ 3.3 kg per sq m, including pointing in white cement mixed with pigment of matching shade complete.	Sq m	220	
18	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, 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.	Sq m	115	
19	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.			
a)	Size of Tile 600x600 mm	Sq m	1200	

20	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	Sq m	100		
a)	Size of Tile 600x600 mm				
Sub Head - 7: ROOFING					
21	"Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and th zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimetre channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimetre of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimetre channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing , all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimetre channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with"	Sq m	500		
a)	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I				

22	Providing and fixing false ceiling with 600 x 600 x15 mm thick Glass fiber accoustical tiles with durable tegular edging, with protective coating on back of tiles with suspension system of hot dipped galvanised steel main runners 0.33mm thick 'T' shaped 24x38mm, with single rotary stitching @ 1.2M long and subsidiary runners 24x25x0.25mm thick, 600mm long, perimetre angles 22x22x0.45mm thick 3m long including suspending the system with 4mm dia MS wires, 25x25x6mm, MS cleats, dash fasteners and level adjusters. Providing all exposed members with 30 micron powder coating in required shade complete with tiles of design including providing lighting coves, hinged trap doors, openings for A/C diffusers etc. complete.(Make Armstrong or equivalent)	Sq m	1000		
<u>Sub Head - 8: FINISHING</u>					
23	12 mm cement plaster of mix:				
a)	1:6 (1 cement : 6 fine sand)	Sq m	1100		
24	15 mm cement plaster on the rough side of single or half brick wall of mix:				
a)	1:6 (1 cement : 6 fine sand)	Sq m	1100		
25	6 mm cement plaster of mix:				
a)	1:3 (1 cement : 3 fine sand)	Sq m	6		
26	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.	Sq m	2206		
27	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :				
a)	New work (two or more coats) over and including priming coat with water thinnable cement primer	Sq m	2100		
28	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
a)	Water thinnable cement primer	Sq m	1600		
29	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:				
a)	Two or more coats on new work	Sq m	1600		
30	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
a)	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sq m	55		
<u>Sub Head - 9: SANITARY INSTALLATIONS</u>					
31	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:				

a)	W.C. pan with ISI marked white solid plastic seat and lid	each	11		
32	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required:				
a)	Range of three half stall urinals with 10 litre PVC. automatic flushing cistern	each	1		
b)	Range of four half stall urinals with 10 litre PVC. automatic flushing cistern	each	1		
33	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:				
a)	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	12		
34	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	12		
35	Providing and fixing toilet paper holder:				
a)	C.P. brass	each	11		
36	Providing and fixing soil, waste and vent pipes:				
a)	100 mm dia Sand cast iron S&S pipe as per IS: 1729	metre	50		
37	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a)	100 mm dia Sand cast iron S&S as per IS - 3989	each	5		
38	Providing and fixing plain bend of required degree.				
a)	100 mm dia i) Sand cast iron S&S as per IS : 3989	each	10		
39	Providing and fixing single equal plain junction of required degree:				
a)	100x100x100 mm i) Sand cast iron S&S as per IS - 3989	each	10		
40	Providing and fixing collar:				
a)	100 mm i) Sand cast iron S&S as per IS - 3989	each	10		
41	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter:				
a)	100 mm	each	50		

42	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:			
a)	100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989	each	15	
43	Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :			
a)	100 mm dia	metre	15	
44	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.			
a)	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88mm, weighing not less than 190 gms	each	8	
Sub Head - 10: WATER SUPPLY				
45	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall			
a)	25 mm dia nominal bore	metre	50	
b)	40 mm dia nominal bore	metre	50	
46	Providing & Fixing GI pipes complete with GI fittings and clamps including making good the walls etc. concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall:			
a)	15 mm dia nominal bore	metre	50	
b)	20 mm dia nominal bore	metre	50	
47	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete:			
a)	25 to 40 mm nominal bore	each	10	
b)	50 to 80 mm nominal bore	each	10	
48	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work:			
a)	25 mm diameter pipe	metre	50	
b)	40 mm diameter pipe	metre	50	
49	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work):			
a)	15 mm nominal bore	each	5	

b)	20 mm nominal bore	each	5		
c)	25 mm nominal bore	each	5		
d)	40 mm nominal bore	each	5		
50	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931.				
a)	15 mm nominal bore	each	12		
51	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
a)	15 mm nominal bore	each	21		
52	Providing and fixing PTMT grating of approved quality and colour.				
a)	Circular type				
(i)	100 mm nominal dia	each	15		
53	Providing and fixing PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 106 gms.	each	9		
<u>Sub Head - 11: DRAINAGE</u>					
54	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with pre-cast R.C.C. vertical grating complete as per standard design:				
a)	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	4		
<u>Sub Head - 12: ALUMINIUM WORK</u>					
55	Providing and fixing aluminum 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. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, 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) :				
a)	For fixed portion Polyester powder coated aluminum (minimum thickness of polyester powder coating 50 micron)	kg	1200		

b)	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Polyester powder coated aluminum (minimum thickness of polyester powder coating 50 micron)	kg	200		
56	Providing and fixing glazing in aluminum 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 aluminum snap beading shall be paid in basic item): a) With float glass panes of 5.50 mm thickness	Sq m	75		
57	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 up to 125 kg, for doors including cost of cutting floors ,embedding in floors as required and making good the same matching to 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.				
a)	With stainless steel cover plate minimum 1.25 mm thickness	each	2		
58	Filling the gap in between aluminum frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete.				
a)	Upto 5 mm depth and 5 mm width	metre	100		
59	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.				
a)	510X19 mm	each	24		
60	Providing and fixing anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).	kg	75		
61	Providing and fixing aluminum casement windows fastener of required length for aluminum windows with necessary screws etc. complete.				
a)	Polyester powder coated minimum thickness 50 micron aluminum	each	12		

62	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	Sq m	8		
<u>Sub Head 13: Dismantling and Demolishing</u>					
63	Dismantling HVAC ducts made of GI sheet including stacking of dismantled material as per direction of Engineer-in-charge.	Sq m	2000		
a)	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metre lead as per direction of Engineer - in- charge.	Cum	5		
b)	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metre lead as per direction of Engineer-in-charge. In cement mortar	Cum	10		
<u>Sub Head 14: Internal Electrical Installations</u>					
64	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.				
(a)	Group C	Point	500		
65	Wiring for light/ power plug with 2 x 4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	2000		
66	Wiring for light/ power plug with 4 x 4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	4000		
67	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
(a)	2 x 1.5 sq. mm + 1 x 1.5 sq mm earth wire	Metre	3900		
(b)	2 x 2.5 sq. mm + 1 x 2.5 sq mm earth wire	Metre	100		
(g)	4 x 16 sq. mm + 2 x16 sq. mm earth wire	Metre	100		

68	Supplying and fixing suitable size GI box with modular plate and cover in FRONT on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	Each	100		
69	Supplying and fixing suitable size GI box with modular plate and cover in FRONT on surface or in recess, including providing and fixing 6 pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	Each	100		
70 (a)	Supplying and fixing suitable size GI box with modular plate and cover in FRONT on surface or in recess, including providing and fixing incoming 16 Amp Modular switch and 3 Nos.3 pin 5/6 amps modular socket outlet duly prewired, connection, painting etc. as required. (multiple socket outlets for computer)	Each	50		
71 (a)	Installation, testing and commissioning of pre-wired, fluorescent fitting/ Sandwich fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling /; wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	400		
72	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. (Single Module)	Each	100		
73	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	100		
74	P/F Anchor fastener (fan hook)	Each	100		
75	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	100		
76 (a)	Supplying and fixing extra down rod of 10 cm length G.I. pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	Each	300		
77	Installation of exhaust fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage, connection, testing, commissioning etc. as required.	Each	8		
78	Extra for fixing the louvers/ shutters complete with frame for exhaust fan of all sizes.	Each	8		
79	Supplying of factory assembled box/batten type for surface mounting on wall or ceiling lighting fixture similar to Philips TMS 122/128E HF complete with 1x28 watt TL5 fluorescent lamp, power factor capacitor (>0.98 lag), high frequency economy electronic ballast, esthetically designed rotor holders, channel made of single piece powder coated while CRCA sheet steel etc. as required.	Each	9		

80	Supplying of factory assembled box/batten type for surface mounting on wall or ceiling lighting fixture , similar to Philips TMS 122/228E HF complete with 2x28 watt TL5 fluorescent lamp, power factor capacitor (>0.98 lag), high frequency electronic ballast (THD< 10%), esthetically designed rotor holders, channel made of single piece powder coated CRCA sheet steel etc. as required.	Each	3		
81	Supplying of factory assembled circular recess mounting low depth (Ht only 100 mm) down lighting fixture similar to Philips catalogue no. FBH 145/1 x 18 L HF complete with 1 Nos. 18 W PL-C lamp with highly efficient satin finish anodized aluminum low glare reflector, comprising of wide mounting die cast aluminum ceiling ring, mounting clips, enclosed control gear etc. as required. (For corridor and rooms having false ceiling).	Each	150		
82	Supplying of factory assembled mirror optics modular recessed mounting indirect lighting fixture with 3-D OLC lamiae for glare control similar to Philips FBS-470/236 D-6 HF PW or equivalent complete with 2 x 36 watt PL-L Sandwiched fluorescent lamp with power factor capacitor (0.9 lag), high frequency instant start electronic ballast (THD< 10%) for use on lighting control and dimming, housing cum reflector made of epoxy polyester powder coated CRCA sheet etc as required.(Senior officials room with false ceiling)	Each	190		
83	Supplying of factory assembled surface mounting mirror lighting fixture with powder coated reflector, similar to Crompton Greaves (or equivalent from approved makes) Mini Mirror light with TLN 11 W housing made of ABS Grade PLASTIC, textured methacrylate sheet diffuser with 1x11 watt CFL fluorescent lamp, capacitor, copper bound low loss polyester filled ballast, rotor holders, housing made of single piece powder coated white CRCA sheet steel etc. as required. (On mirror).	Each	20		
84	Supplying of factory assembled mirror optics modular recessed mounting ultra-slim lighting fixture with I similar to Philips TBS-288 / 2 XTL5-28W HF G2 BL IN or equivalent complete with 2 x 28 watt TL5 fluorescent lamp with power factor capacitor, High frequency Electronic ballast housing made of epoxy polyester powder coated CRCA sheet etc as required.(general areas having false ceiling)	Each	30		
85	Supply of following size special design energy saving ceiling fans similar to Havell' s ES-50/Bajaj energy smart/ cromptons with low power consumption as specified below aluminum motor covers of larger dia complete with double ball bearings, Aluminum blades, down rod, shackle insulator, canopy but without regulator etc complete as required .				
a	1200 mm sweep (power consumption not more than 50 W, service value more than 4)	Each	100		

86	Supplying of Heavy duty capacitor start single phase ISI marked 300 mm dia Single Phase Industrial duty (Propeller Type Exhaust Ventilating Fans) 6 pole 900 rpm fan having power consumption of 55 w or below and airflow of 1250 CMH and noise level below 45 dB but without regulator complete with louver, bird screen etc. and with 3 core flexible wire lead as required.	Each	8		
87	Earthing with G.I. earth pipe 4.5 mtr. Long, 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	Set	4		
a	P/F 25 mm x 5 mm GI earth strip in surface/ recess:				
88	Providing and fixing 25 mm x 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	200		
89	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.				
a	3.5 x 95	Each	8		
90	Supply of under noted sizes aluminum conductor XLPE insulated PVC sheathed and sleeved armored and overall PVC sleeved 1.1 KV grade power distribution cables conforming to relevant IS code and as per specification etc as required				
a	3x95 sq mm	Metre	20		
91	Supplying and fixing following way, three pole and neutral, prewired, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with loose wire box, terminal blocks, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But without MCB/ RCCB/ isolator)				
(a)	8 way (4+ 24), double door	Each	3		
(b)	12 way (4+36), double door	Each	2		
92	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(a)	Single pole	Each	144		
93	Supplying and fixing following rating, B/C curve four pole, 415 volts MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 amps	Each	3		
b	63 amps	Each	2		
94	Supplying and fixing following rating, Four pole,(three pole and neutral), 415 volts, RCCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

(a)	40 amps	Each	3		
(b)	63 amps	Each	2		
95	Supplying, installation, testing and commissioning of M.V. cubical type totally enclosed dust and vermin proof Main Distribution Bords suitable for use on 430 V 3 phase 4 wire 50 hertz AC supply, having compartmentalized construction for different incoming/outgoing MCCBs and cable alleys , fabricated from 2 mm thick CRCA sheet steel of uniform width complete with copper bus bars , MV danger notice plate, Digital type ammeter with Ammeter selector switch , voltmeter with Voltmeter selector switch , LED indicating lamps, cast resin CT's , Interconnection with suitable capacity copper strips / rods, connection of incoming and outgoing cables with thimbles , stove enameled painted and having following incoming and outgoing switchgears complete as required. A. INCOMER				
(a)	1 no.200 A four pole MCCB (35 KA) Thermo-magnetic release type				
(b)	1 no. Digital type single function volt metre to show 0-500V voltage with phase selector switch				
(c)	1 no. Digital type single function metre to show amperage with phase selector switch				
(d)	3 No's Cts 200/5 ratio				
(e)	3 LED Indication Light with toggle switches				
	B. OUTGOING				
(a)	3 nos. 32/40/63 A TPNL MCCB (25 KA) Thermo-magnetic release type	Each	1		
96	Supplying, Laying and fixing of Unshielded Twisted Pair (UTP) Copper Conductor CAT-6 Cable for interconnectivity of EAPBX Systems of the three buildings as per TIA/EIA 568 B having 4 twisted Copper Wire Pairs.	Each	500		
<u>Sub Head 15: Automatic and Manual Fire Alarm System</u>					
97	Supply Installation Testing and Commissioning of Multi Cooperative Sensing Type Analog addressable photoelectric smoke detector with mounting based LED, Address Switch , complete as required	Each	70		
98	Supply Installation Testing and Commissioning of Automatic Floating Sensitivity type Analog addressable Acclimate Photo thermal smoke detector with mounting based LED, Address Switch to program the detectors, complete as required.	Each	50		
99	Supply Installation Testing and Commissioning of Response indicator	Each	50		
100	Supply Installation Testing and Commissioning of Addressable Manual Pull Station	Each	10		
101	Supply Installation Testing and Commissioning of Directional Sounders with 20 Hz to 20 kHz operating frequency with minimum 8 distinct sound patterns to indicate corridors, Exit doors, Move upward, move down ward etc. to direct Occupants for fast & safe Evacuation as specified in NFPA 72 - 2007 edition.	Each	3		

102	Supply Installation Testing and Commissioning of Strobe Lights with 110 cd. The strobes shall be synchronized for better evacuation.	Each	3		
103	Supply Installation Testing and Commissioning of Fire panel supervised 70db-84db Ceiling Mounted Speakers Cum Hooter as specified & same make as of panel.	Each	32		
104	Supply Installation Testing and Commissioning of 2 way communication Fire Fighter's Telephone Jack	Each	3		
105	Supply Installation Testing and Commissioning of 2 way communication Fire Fighter's Handset	Each	3		
106	Supply Installation Testing and Commissioning of Addressable type fault for isolating shorted, dewired and loose circuits between two successive fault isolators with automatic resetting arrangement (base Model)	Each	3		
107	Supply Installation Testing and Commissioning of Addressable control modules for Hooters etc	Each	3		
108	Supply Installation Testing and Commissioning of Addressable control modules for Fire Fighters Telephone circuit with dual input	Each	3		
109	Supplying and fixing of 25mm 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.	Metre	400		
110	Supply and drawing of 2 C X 1.5 Sq mm unarmored, Twisted copper Flexible FRLS cable in exiting conduit etc as required	Metre	500		
Sub Head 16 : EPABX					
111	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
a)	1 or 2 Module (75 mm X 75mm)	Each	20		
112	Socket and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
(a)	Telephone socket outlet	Each	20		
113	Providing, fixing, connecting and testing of under noted sizes of solder less telephone tag block , with powder coated box of required size box with hinged lockable cover and GI clamps for dressing of wires etc as required.				
a)	10 pair	Each	5		
114	Supplying, Laying and fixing of Unshielded Twisted Pair (UTP) Copper Conductor CAT-6 Cable for interconnectivity of EAPBX Systems of the three buildings as per TIA/EIA 568 B having 4 twisted Copper Wire Pairs.	Each	500		

CONTRACTOR

SUPERINTENDING ENGINEER
(PROJECT CELL)
AIIMS RAIPUR

Sign of Contractor