



WEST BENGAL MEDICAL SERVICES CORPORATION LTD.
(Wholly owned by the Government of West Bengal)
Swasthya Sathi, GN-29, Sector-V, Salt Lake, Kolkata-700 091.

NOTICE INVITING TENDER DOCUMENTS FOR

Civil work for Repair and Renovation to establish proposed 24 bed Hybrid CCU at 13 different Super Specialty Hospital in West Bengal.

- 1. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.**
- 2. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Domkal SSH building in the district of Murshidabad.**
- 3. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1st floor of Bolpur SSH building in the district of Birbhum.**
- 4. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Sagardighi SSH building in the district of Murshidabad.**
- 5. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Suri SSH building in the district of Birbhum.**
- 6. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram.**
- 7. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.**
- 8. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram.**
- 9. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Salboni SSH building in the district of Paschim Medinipur.**
- 10. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Debra SSH building in the district of Paschim Medinipur.**
- 11. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Gangarampur SSH building in the district of Dakhshin Dinajpur.**

12. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Metiabruz SSH building in the district of South 24 Parganas.
13. Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd & 3rd floor of Rampurhat SSH building in the district of Birbhum.

(NIT Reference No. : WBMSCL/NIT- 356 /2021, Dated - 07/10/2021)

WEST BENGAL MEDICAL SERVICES CORPORATION LIMITED

(Wholly Owned by the Government of West Bengal)

Registered Office: Swasthya Sathi, GN-29, Sector-V, Salt Lake, Kolkata– 700091

Phone: 033-4034-0300 ♦ Email: info@wbmsc.gov.in ♦ website: www.wbmsc.gov.in

I.T.B. No. : WBMSCL/NIT- 356 /2021

Dated : 07 /10 /2021

Managing Director, WBMSCL invites sealed bids through electronic tendering (e- Tendering) for “Civil work for Repair and Renovation to establish proposed 24 bed Hybrid CCU at 13 different Super Specialty Hospital in West Bengal.” from the bonafied, resourceful and reliable experienced Contractor in WestBengal.

Sl. No.	Name of the Work	Estimated Amount (Rs.)	Earn est Money (Rs.)	Cost of Tender documents (Rs.) (Non-refundable)	Period of Completion	Name & address of the Office
01	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.	1395265.00	27906.00	NIL	30(Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector –V, Saltlake,
02	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Domkal SSH building in the district of Murshidabad.	1230212.00	24605.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector –V, Saltlake,
03	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1 st floor of Bolpur SSH building in the district of Birbhum.	1714102.00	34283.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector –V, Saltlake,
04	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Sagardighi SSH building in the district of Murshidabad	1930520.00	38611.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector –V, Saltlake,

05	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Suri SSH building in the district of Birbhum.	2222180.00	44444.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
06	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Jhargram SSH building in the district of Jhargram.	2272042.00	45441.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
07	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Gopiballavpur SSH building in the district of Jhargram.	2329635.00	46593.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
08	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Nayagram SSH building in the district of Jhargram.	2385442.00	47709.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
09	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Salboni SSH building in the district of Paschim Medinipur.	1747733.00	34955.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
10	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Debra SSH building in the district of Paschim Medinipur.	1767162.00	35344.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
11	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Gangarampur SSH building in the district of Dakshin Dinajpur.	4081901.00	81639.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,

12	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Metiabruz SSH building in the district of South 24 Parganas	2414785.00	48296.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
13	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd & 3 rd floor of Rampurhat SSH building in the district of Birbhum	998124.00	19963.00	NIL	30 (Thirty days)	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,

GENERAL CLAUSE OF NIT :

TWO BID SYSTEM

1.0 This NIT is of Two Bid Tender, i) Technical & ii) Financial, both to be submitted concurrently in the portal. The bidders who will be Technically qualified in respect to Technical and Financial eligibility/capability criteria specified in the below mentioned subsequent clause can only be permitted to participate in the Financial Bidding.

TENDER DOCUMENT

2.0 In the event of e-filling intending bidder may download the tender document from the website directly by the help of his Digital Signature Certificate & upload the same with other documents along with necessary Earnest Money electronically as mentioned in Cl 14 of NIT. (Details of which has been narrated in "Instruction to Bidders", i.e. Section A). Where an individual person holds a digital signature certificate in his own name duly issued to him by the company or the firm of which he happens to be director or partner, such individual person either belonging to and appropriate cadre officer of the company or an authorized partner of a firm, shall invariably upload a copy of Registered power of attorney showing clear authorization in his favour, to upload such tender. The power of attorney shall have to be registered in accordance with the provisions of the Registration Act, 1908.

- a. Dully filled in copies of Section - B (Forms I to V & Affidavit) in prescribed proforma with proper dated signature in the relevant spaces to be uploaded electronically. **Documents in support of the information furnished in Forms I to V & Affidavit must be attached/uploaded for evaluation and the file number & page number has to be indicated in the respective column of the Form.**
- b. Digitally signed Technical Bid and Financial Bid both to be submitted concurrently in the website <https://wbttenders.gov.in>. Tender Document may be downloaded from the website. Submission of Technical Bid & Financial Bid as per the date and time Schedule stated in Sl. No. 12 of this NIT. The documents submitted by the bidders should be properly indexed.

Eligibility Criterion for participation in the tender :-

3.0 i) Credential :-

- (a) The prospective bidders shall have satisfactorily completed **AS A SOLE FIRM (NOT as a sub-contractor)** during the last 5 (five) years prior to the date of issue of this NIT at least one work of similar nature under the authority of State/Central Gov., State/Central Gov. undertaking, Statutory/Autonomous Bodies under the statute of the Central/State Government and having a magnitude more than 40 (forty) percent in case of 1st call, 30% in case of 2nd call, 20% in case of 3rd call of the Estimated amount put to tender for intended job.

OR

- (b) The prospective bidders shall have satisfactorily completed **AS A SOLE FIRM (NOT as a sub-contractor)** during the last 5(five) years prior to the date of issue of this NIT at least two works of similar nature under the authority of State/Central Gov., State/Central Gov. undertaking, Statutory/Autonomous Bodies under the statute of the Central/State Government having a magnitude each of minimum value of 30 (thirty) percent in case of 1st call, 25% in case of 2nd call, 15% in case of 3rd call of the Estimated amount put to tender for intended job.

OR

- (c) The prospective bidders should produce credential **AS A SOLE FIRM (NOT as a sub-contractor)** at least one single running work of similar nature which has been completed to the extent of 80% or more (75% in case of 2nd call, 70% in case of 3rd call) and value of which is not less than the value of 40% (30% in case of 2nd call, 20% in case of 3rd call) of the estimated amount put to tender of intended job under the authority of State/Central Gov., State/Central Gov. undertaking, Statutory/Autonomous Bodies under the statute of the Central/State Government. **In the credential certificate it should be clearly stated that the work is in progress satisfactorily & also that no penal action has been initiated against the executing agency, i.e. the tenderer.**

N.B. - a) Estimated amount, Date of completion of project or percentage of physical progress of works for running works, value of works done, Salient feature & nature of work executed is to be mentioned in the Credential Certificate. Payment certificate will not be treated as credential. Credential Certificate issued by competent authority of State/Central Gov., State/Central Gov. undertaking, Statutory/Autonomous Bodies constituted under the statute of the Central / State Government will be taken as credential. However, Credential Certificate issued to sub-contractor by Central or State Govt. undertaking/Govt. Enterprise shall not be accepted.

b) Executed value (without contractual percentage) of completed/running work will be taken as credential.

c) Work order of relevant work(s) to be submitted.

ii) TECHNICAL PERSONEL

The prospective bidders shall have full time engaged/appointed in their Pay roll experienced technical personnel, the minimum being one Civil Engineering Degree Holder and one Civil Engineering Diploma Holder (Authenticated documents in respect of qualification and engagement shall be furnished for Technical Evaluation).

- iii) PAN Card, Valid Professional Tax Receipt Challan for the financial year 2021-22, Trade Licence for the financial year 2021-22, Valid GST Registration no. & certificate, Income Tax Acknowledgement Receipt for assessment year 2020-21 is to be submitted with Technical Bid document.
- iv) Registered Unemployed Engineers' Co-operative Societies/ Registered Unemployed Labour Co-operative Societies are required to furnish valid bye law, Current Audit Report.
- v) Joint Venture will not be allowed.
- vi) The prospective bidder should own / hired through lease agreement in between leaser & lessee as required plant & machinery. Conclusive of machinery in working condition shall have to be submitted (to be documented through e-filing).
- vii) Intending bidder may make MOU with other vendors to fulfil the credential.
- viii) The partnership firm shall furnish (a) Registration Certificate from Register of firms along with certified copy of Form-VIII issued under Indian Partnership Act, 1932, & (b) partnership deed shall have to be either Notarised / registered from ADSR and the company shall furnish (a) Incorporation Certificate & CIN (b) the Article of Association and Memorandum. (Non Statutory Documents).
- ix) Deleted.
- x) A prospective bidder shall be allowed to participate in the particular job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job, all of his/their bids will considered as nonresponsive for that job, without assigning any reason thereof.
And
If individual entity is found to be present in more than one bidding firm for a specific SI as a Proprietor or / and Partner / or POA (Power of Attorney), in that case all the bids of the respective firms containing that particular entity shall be considered as non-responsive.
- xi) **Earnest Money** : - The bidder shall be required to deposit earnest money as per table given to participate in the bid.

SI No	Work	EMD Amount
1	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.	27906.00

2	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Domkal SSH building in the district of Murshidabad.	24605.00
3	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1 st floor of Bolpur SSH building in the district of Birbhum.	34283.00
4	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Sagardighi SSH building in the district of Murshidabad	38611.00
5	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Suri SSH building in the district of Birbhum.	44444.00
6	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Jhargram SSH building in the district of Jhargram.	45441.00
7	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Gopiballavpur SSH building in the district of Jhargram.	46593.00
8	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3 rd floor of Nayagram SSH building in the district of Jhargram.	47709.00
9	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Salboni SSH building in the district of Paschim Medinipur.	34955.00
10	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Debra SSH building in the district of Paschim Medinipur.	35344.00
11	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4 th floor of Gangarampur SSH building in the district of Dakshin Dinajpur.	81639.00
12	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd floor of Metiabruz SSH building in the district of South 24 Parganas	48296.00
13	Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2 nd & 3 rd floor of Rampurhat SSH building in the district of Birbhum	19963.00

The process of deposit of earnest money through offline instruments like Bank Draft, Pay Order etc. will be stopped for e-tender procurement of this office **wef. 01.09.2016**. **Necessary Earnest Money will be deposited by the bidder electronically: online - through his net banking enabled bank account, maintained at any bank or: offline - through any bank by generating NEFT/ RTGS challan from the e-tendering portal.** Intending Bidder will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their

respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e-Proc Ref No. Earnest Money @2.00% of the estimated amount put to tender have to be submitted. The earnest money of the successful bidder (being converted to security deposit) deposited, will remain under the custody of the department till satisfactory completion of the work in full including extended quantity if ordered for. Besides this, necessary percentages shall be deducted from the progressive bids so as to make it 03% (Three percent) of the value of work billed for.

4. Constructional Labour Welfare Cess @ 1 % (one percent) of the cost of construction will be deducted from every bill of the selected agency. GST, Royalty & all other Statutory Levy / Cess will have to be borne by the contractor. As the rates in the Schedule of rate are inclusive of GST & Cess as stated above.
5. The Bidder will have to submit the receipt of payment of **Royalty** to the Government for use of sand, stone materials, laterite, Moorum, gravel etc. to the Engineer-In-charge before preparation of bill for payment, when they collect the materials directly from the source. If they collect the materials from the authorized quarry holder or commercial establishment who directly or indirectly pay the royalty to the Government, necessary certificate or cash memo for sale in that respect from them shall have to be produced to the Engineer-In-Charge failing which necessary deduction from the dues of the contractor may be made as fixed by the Engineer-In-Charge.
6. **Bids will remain valid for a period not less than 120 days (One Hundred Twenty days) from the date of opening of the financial proposal.** However, extension of bid validity may be suitably considered by the Tender Inviting Authority, if required, subject to obtaining written confirmation of the contractor/bidder(s) to the effect. If the bidder withdraws the Bid during the period of Bid validity his Earnest Money Deposit will be forfeited.
7. All materials including bitumen (of all grade), bitumen emulsion, cement, steel shall be of approved brand in accordance with relevant code of practice and manufacture accordingly and shall be procured and supplied by the agency at their own cost. Authenticated evidence for purchase of bitumen, bitumen emulsion, cement and steel are to be submitted along with challan and test certificate. If required by the Engineer in Charge, further testing from any Government approved Testing laboratory shall have to be conducted by the agency at their own cost.
8. Steel materials Procure & Supply by the Contractor shall be of TOR Steel Rod / HYSD / TMT Bar of Fe415, Fe500, Fe500 / 550D grade as per specification guided by relevant IS Code (The grade to be decided by the Engineer-In-Charge or as per instruction on specified in the approved drawing of this department or as stipulated in the departmental schedule of rates.
9. Cement Procure & Supply by the Contractor shall be of ordinary Portland cement 53 grade, 43 grade, conforming (IS 8112) or PPC/PSC the grade to be decided by the Engineer-In-Charge or as per instruction on specified in the approved drawing of this department or as stipulated in the departmental schedule of rates.

PRICE ADJUSTMENT / PRICE PREFERENCE

10. i) No adjustment of Price or Price Escalation of any kind will be allowed. Adjustment of price (increase or decrease).
ii) No price preference will be allowed for the work under this NIT.
10. No Mobilization Advance / Secured Advance will be allowed.
11. Prospective applicants note carefully the minimum qualification criteria as mentioned in instruction to bidders before tendering the bids.
12. No Conditional Bid / Tender will be accepted under any circumstances.
13. Requirement of Principal Machineries which must be possessed by [Non Statutory Document] by the Bidders.
14. Before uploading tender document through e-filing each page of the tender documents are to be signed by the Bidder/ owner/ partner / authorized signatories having legal authority to do so, failing which the Bid will be treated as informal.
15. The employer reserves the right to accept or reject any / all offer without assigning any reason

whatsoever and is not liable for any cost that might have incurred by the Bidder at the stage of Bidding.

The Bidders Net Worth for the last year calculated on the basis of capital, Profit and free reserve available to the firm should be positive.

16. IMPORTANT INFORMATION

A. Current Schedule of Rates for P.W.D.(Building works) circle Schedule with effect from 01.11.2017 & with latest addendum & Corrigendum of P.W.D, Government of West Bengal for civil works and P.W.D Schedule of rates for Electrical Works with effect from 01.11.2017 as well as market rates will be applicable in this Tender including 1% cess.

B. DATE & TIME SCHEDULE

Sl. No.	PARTICULAR	DATE & TIME
i)	Date of uploading of N.I.T and Tender Documents (online)	08.10.2021
ii)	Documents Sell / download start date (online)	08.10.2021 at 05.30 P.M.
iii)	Bid Submission Upload Start date (online)	08.10.2021 at 06.00 P.M.
v)	Bid Submission Upload End date (online)	26.10.2021 upto 03.00 P.M.
vi)	Date & Place for Opening of Technical bid (online) for the Bidders	27.10.2021 at 3.00 P.M.
vii)	Date & place for opening of financial proposal	To be notified later

C: LOCATION OF CRITICAL EVENTS

Bid Opening: "West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake, Kolkata-700091" Interested bidder may be presented at West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake, Kolkata-700091 during opening of bid. Managing Director, West Bengal Medical Services Corporation Limited may call open bid /sealed bid after opening of the said bid to obtain the suitable rate further, if it is required. No objection in this respect will be entertained if raised by any bidder present or absent during opening of tender.

17. In case of any unscheduled holiday on the aforesaid dates [Sl. (v)], the next working day will be treated as schedule / prescribed date for the same purpose.
18. The successful Bidder shall have to execute Formal Agreement with Managing Director, West Bengal Medical Services Corporation Limited within 7(Seven) days from the issuance of Provisional Work order.
19. Bank guarantee shall be accepted for the purpose of the security.
20. Agency shall have to arrange required land for installation of Plant & machineries (Specified for the awarded work), storing materials, labour shade etc. at their own cost and responsibility nearest to the work site.
21. The intending bidder(s) required to quote the rate **(percentage above/below/at par)** over the total estimated cost put to tender online considering that no escalation and / or price adjustment will be allowed by the department under any circumstances.
22. The Bidder has to visit and examine the site of works and its surroundings and obtained all information that may be necessary for preparing Bid and entering into an agreement for the work / works as mentioned in the NIT. The costs for visiting the working site shall be at the bidders own expense.
23. The Working Capital shall not be less than 15% (fifteen) percent of the amount put to tender out of which minimum 10% (ten) percent shall be of the applicant's own resource. [Non Statutory Documents (Financial Statement)]
24. Prospective Bidder shall have to execute the work in such manner so that appropriate service level of the Building under improvement is to be maintained during progress of the work and during **Defect Liability Period of 1(one) Year** for the works from the date of successful completion of the work up to the entire

satisfaction of the Engineer in Charge. If any defect / damage is detected during this period as mentioned above the contractor shall make the same good at his own expense to the satisfaction of the Engineer in Charge or in default the Engineer in Charge may cause the same to be made good by other agency and deduct the cost (of which the certificate of the Engineer in Charge shall be final) from his security deposit or any sums that may be then, or at any time thereafter become due to the contractor. Security Deposit shall become payable only after expiry of the **Defect Liability Period** after making necessary deduction if applicable.

25. If more than one Bidder quoted same rate and which are found lowest at the time of opening, such similar multiple rates will not be entertained / accepted. Lowest offer will be ascertained by sealed bid amongst the lowest bidder.
26. At any stage during scrutiny, if it is found that the credential or any other papers which the Bidder uploaded during Bidding process, found incorrect / manufactured / fabricated, that bid will be considered as non-responsive and outright rejected with forfeiture of Earnest Money and action will be taken as per stipulation of IT Rules in force.
27. List of "Technically Qualified Bidders" will be published in the web portal only. Financial Bid will be opened within a short period after such publication. Therefore, Bidders are requested to view the tender status on a regular basis. In case of there be any objection regarding Pre-qualification / list of "Technically Qualified Bidders", that objection should be lodged to the Managing Director, WBMSCL within 48 hours from the date of publication of list of qualified Agency and beyond that time schedule no objection will be entertained by the Tender Evaluation Committee
28. Before issuance of Letter of Acceptance / Provisional Work order, the tender accepting authority may verify the credential & other documents of the lowest bidder so uploaded online if found necessary. If it is found such document incorrect/ manufactured / fabricated, Letter of Acceptance / Provisional Work order will not be issued in favour of the bidder under any circumstances and action will be taken accordingly.
29. In case of Ascertaining of Authority at any stage of application or execution of work, necessary registered Power of Attorney is to be produced.
30. The Earnest Money may be forfeited if;-
 - a) If the Bidder withdraws the Bid during the period of Bid validity.
 - b) In case of successful Bidder, if the Bidder fails to execute formal agreement within the stipulated time period.
 - c) During scrutiny, if it is come to the notice of tender inviting authority that the credential or any other document which were uploaded & digitally signed by the Bidder are incorrect / manufactured / fabricated.
31. If any discrepancy arises between two similar clauses on different notifications, the clause as stated in later notification will supersede former one in following sequence;-
 - a) Notice Inviting Tender
 - b) Special Terms and Conditions
 - c) Financial Bid
 - d) Schedule of Works

All works covered in the clause appearing hereinafter shall be deemed to form a part of the appropriate item or items of works appearing in the work schedule whether specifically mentioned in any clause or not and the rates quoted shall include all such works unless it is otherwise mentioned that extra payment will be made for particular works.

32. Deleted.
33. Prospective bidders must have sufficient credentials to participate in the tender (civil) as per notification of Clause No 3.
34. For any typographical mistake in case of Unit, Rate, Quantity, Amount, any type of nomenclature in items of works/item itself including description etc. whatsoever as stated in BOQ, that can't be claimed during agreement or so. In that case sanctioned estimate will be binding criteria.

35. As per memorandum no. 4608-F(Y) dated.18.07.2018 of Finance Department Govt. of West Bengal, the successful bidder will have to submit Additional Performance Security @10% of the tendered amount, if the accepted bid value is 80% or less of the estimated amount put to tender. The Additional Performance Security shall be submitted in the form of Bank Guarantee from any Scheduled Bank before issuance of the Work Order. If the bidder fails to submit the Additional Performance Security within seven working days from the date of issuance of Letter of Acceptance, his Earnest Money will be forfeited and other necessary actions as per NIT like blacklisting of the contractor, etc, may be taken. The Bank Guarantee shall have to be valid upto end of the Contract Period and shall be renewed accordingly, if required. The Bank Guarantee shall be returned immediately on successful completion of the Contract. If the bidder fails to complete the work successfully, the Additional Performance Security shall be forfeited at any time during the pendency of the contract period after serving proper notice to the contractor. Necessary provisions regarding deduction of security deposit from the progressive bills of the contractor as per relevant clauses of the contract shall in no way be altered/affected by provision of this Additional Performance Security.

The eligibility of the Bidder will be ascertained on the basis of document submitted / uploaded & digitally signed in support of the minimum criterion as mentioned above. If any document submitted / uploaded by the Bidder is either manufactured or false the eligibility of Bidder will be out rightly rejected at any stage without prejudice and action will be taken as per stipulation of IT Rules in force.

**Managing Director
West Bengal Medical Services Corporation Limited**



Payment Schedule

Payment will be made according to B.O.Q.

INSTRUCTION TO BIDDERS

SECTION – A

General guidance for e-Tendering

Instructions/ Guidelines for tenders for electronic submission of the tenders online have been annexed for assisting the contractors to participate in e-Tendering.

1. Registration of Contractor Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to <https://etender.wb.nic.in>. The contractor is to click on the link for e-Tendering site as given on the web portal.
2. Digital Signature certificate (DSC) Each contractor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount details are available at the Web Site stated in Clause-2 of Guideline to Bidder DSC is given as a USB e-Token.
3. The contractor can search & download NIT & Tender Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.
4. Participation in more than one work a prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job, all his applications will be rejected for that job.
5. **Submission of Tenders/General process of submission:** Tenders are to be submitted through online to the website stated in Cl. 2 in two folders at a time for each work, one in Technical Proposal & the other in Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC) The documents are to be uploaded (virus scanned copy) duly Digitally Signed. The documents will get encrypted (transformed into non readable formats). A. Technical & Financial proposal: The proposal should contain scanned copies of the following in two covers (folders).

A-1. Statutory Cover file Containing.

Technical Bid:

- i) Earnest money (EMD) as prescribed in the NIT
- ii) NIT
- iii) Forms (As mentioned in the NIT, Section-B)

Financial Bid:

- iv) The rate will be quoted in the BOQ quoted rate will be encrypted in the B.O.Q. under Financial Bid.

A-2. Non statutory / Technical Documents

- i. Current Income Tax return (for the assessment year 2020-21), PAN, GST Registration Certificate & Professional Tax receipt challan for the financial year 2021-22
- ii. Valid enlistment renewal certificate
- iii. Registered Deed of partnership Firm
- iv. Trade License from the respective Municipality/Panchayet etc. (in case of S & P Contractors only)
- v. Certificate of Registration' from the respective Assistant Registrar of Co – operative Societies (for Regd. Unemployed Engineer's Co – Operative Society Ltd.)
- vi. Requisite Credential Certificate as mention in Clause [2(i)] of this N.I.T.

Note: Failure of submission of any of the above mentioned documents will render the tender liable to be rejected for both statutory & non statutory cover.

THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTS SHOULD BE ARRANGED IN THE FOLLOWING MANNER

Click the check boxes beside the necessary documents in the My Document list and then click the tab “Submit Non Statutory Documents’ to send the selected documents to Non-Statutory folder. Next Click the tab “Click to Encrypt and upload” and then click the “Technical” Folder to upload the Technical Documents.

Sl. No.	Category Name	Sub Category Descriptio	Details
A.	CERTIFICATES	CERTIFICATES	Current Income Tax return (for the assessment 2020-21), PAN, GST Registration Certificate & Professional Tax receipt challan for the financial year 2021-22
B.	Company Details	Company Details – I	‘Certificate of Registration’ from the respective Assistant Registrar of Co – operative Societies (for Regd. Unemployed Engineer’s Co – Operative Society Limited)
C.	Credential (in applicable cases)	Credential	1. Documents of Credential (in the form of work completion certificates as mentioned in Clause No. [2(i)]

B. Technical proposal

- i. Opening of Technical proposal: - Technical proposals will be opened by the Managing Director, West Bengal Medical Services Corporation Limited and his authorized representative electronically from the web site stated using their Digital Signature Certificate.
- ii. Intending bidders may remain present if they so desire.

C. Financial proposal

- i) The financial proposal should contain the following documents in one cover (folder) i.e. Bill of quantities (BOQ). The contractor is to quote the rate (**Offering Above/ Below/ At per**) online through Computer in the space marked for quoting rate in the BOQ and also digitally signed and upload the Schedule of works given in the format of Annexure)
- ii) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.

PENALTY FOR SUPPRESSION / DISTORTION OF FACTS OR SUBMISSION OF INCORRECT INFORMATION:

If any tenderer fails to produce the original hard copies of the documents (specially Completion Certificates and audited balance sheets), or any other documents on demand of the Tender Opening Authority within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies or if there is any suppression of facts, the Tenderer will be suspended from participating in the tenders on e-Tender platform for 3 (three) years. In addition, his user ID will be deactivated and Earnest Money Deposit will stand forfeited. Besides, WEST BENGAL MEDICAL SERVICES CORPORATION LIMITED may take appropriate legal action against such tenderer.

AWARD OF CONTRACT

The Tender Inviting Authority reserves the right to accept or reject any Tender and to cancel the Tendering process and reject all Tenders at any time and prior to the Award of Contract without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Bidder or Bidders of

the ground for Employer's action.

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter/email..

The notification of award will initiate the execution of agreement.

The Agreement in prescribed composite Tender Form will incorporate all agreements between the Tender Accepting Authority and the successful Bidder. All the tender documents including NIT B.O.Q, STC & TF. will be the part of the Contract Documents.

SECTION – B

FORM -I

B.1. PRE-QUALIFICATION APPLICATION.

To
Managing Director,
West Bengal Medical Services Corporation Limited

Ref: - Tender for _____
_____ work _____

N.I.T. No: WBMSCL/NIT- /2021, Dated – /10/2021 of West Bengal Medical Services Corporation Limited

Dear Sir,
Having examined the Statutory, Non statutory, Instruction to Bidders & NIT documents along with its Agenda & corrigendum, I /we hereby submit all the necessary information and relevant documents for evaluation

The application is made by me / us on behalf of _____

In the Capacity _____ duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for Application and for completion of the contract documents is attached herewith. We are interested in bidding for the work(s) given in Enclosure to this letter.

We understand that:

- (a) Tender Inviting & Accepting Authority/Engineer-in-Charge can amend the scope & value of the contract bid under this project.
- (b) Tender Inviting & Accepting Authority/Engineer-in-Charge reserve the right to reject any application without assigning any reason.

(c) Encl:- e-Filling:-

- (d) 1. Statutory Documents.
- (e) 2. Non Statutory Documents.

Date: -

Signature of applicant including title
and capacity in which application is made.

SECTION - B

FORM - II

B.2. AFFIDAVIT - "X"

(To be furnished in Non - Judicial Stamp paper of appropriate value duly notarized)

Work in progress.

Sl.	Name of the work.	Tender No.	Tendered Amount.	% of work Executed.

Work order issued but work not started.

Sl.	Name of the work.	Tender No.	Tendered Amount.	Status.

Signature

Date:

Name of the Firm with Seal.

SECTION – B

FORM- III

B.3. STRUCTURE AND ORGANISATION.

B.3.1. Name of applicant:: _____

B.3.2. Office Address:: _____

Telephone No.:: _____

Fax No. :: _____

E-mail ID :: _____

B.3.3. Name & address of Bankers:: _____

B.3.4. Attach an organization chart showing the structure of the company with names of Key personnel and technical staff with Bio-data.

Note: Application covers Proprietary Firm, Partnership, Limited Company or Corporation,

Date:

Signature of applicant.
including title and capacity in which application is made.

FORM - IV

B.4. EXPERIENCE PROFILE.

B.4.1. Name of the Firm: _____

B.4.2. LIST OF PROJECTS COMPLETED THAT ARE SIMILAR IN NATURE TO THE WORKS HAVING MORE THAN 40% OF THE PROJECT COST EXECUTED DURING THE LAST FIVE YEARS.

Name, Location & nature of work	Deptt. Concern	Engineer-in-Charge	Contract price in Indian Rs.	% of Participation of company	Original Time Schedule		Actual Time Schedule		Reasons for delay in completion (if any)
					Start Date	Completion Date	Start Date	Completion Date	

Note: a) Certificate from the Employers to be attached

b) Non-disclosure of any information in the Schedule will result in disqualification of the firm.

Date:

Signature of applicant
including title and capacity in which application is made.

[Print out in Agency's Letter head & upload the filled proforma with digitally signed as stated below]

DECLARATION BY THE TENDERER

I/We have inspected the site of work and have made myself/ourselves fully acquainted with local conditions in and around the site of work. I /We have carefully gone through the Notice Inviting Tender and other tender documents mentioned therein along with the drawing attached. I/We have also carefully gone through the 'Priced schedule of Probable Items and Quantities'.

My/Our tender is offered taking due consideration of all factors regarding the local site conditions stated in this Detailed Notice Inviting Tender to complete the proposed work referred to above in all respects.

I/We promise to abide by all the stipulations of the contract documents and carry out and complete the work to the satisfaction of the department.

I/We declare that I/We in the capacity of individual/ as a partner of a firm not debarred in the last financial year.

I/We also agree to procure tools, plants and others as per requirement, at my/our cost required for the work.

Date :

Signature of Tenderer

Postal address of the Tenderer

Name of the Firm with Seal



PRINTED TENDER FORM

**WEST BENGAL MEDICAL
SERVICES CORPORATION
LIMITED**

PRINTED TENDER FORM

eNIT no. WBMSCL/NIT- 356/2021

Dated – 07 /10/2021

TENDER AND CONTRACT FOR WORKS GENERAL RULES AND DIRECTIONS FOR GUIDANCE OF BIDDERS/CONTRACTORS

TENDER FOR WORKS

I/We on behalf of West Bengal Medical Services Corporation Limited hereby tender for the execution of the work specified in the underwritten “Memorandum” within the time specified in such “ Memorandum” at the rates specified therein, and in accordance, in all respects within the Rules contained in clauses hereinafter, in all of the annexed G e n e r a l Conditions of Contract (GCC), Special Conditions of Contract (SCC) and with such other materials as are provided for, by and in all other respects in accordance and with such conditions so far as applicable.

MEMORANDUM

(a) If several sub-works are included, they should be detailed in a separate list

- (a) General description of work
- (b) Estimated cost put to Tender ... Rs
- (c) Earnest Money Deposit ... Rs.
- (d) Security Deposit (including earnest money) ... Rs
- (e) Percentage, if any, to be deducted from bill ... Rs
.....
(Rupees.....
Percentage.....)
- (f) Time allowed for the work from date of written order to Commencecalendar months.

For offline tender during submission of bid and during execution of Agreement for online tender

Name of Work Tendered	Amount Put to Tender	Rate Quoted by the Bidder (% above or less or at par)	Tendered Amount (Contract Price both in words & figures)

Should this Tender be accepted, I/we hereby agree to abide by and fulfill all of the terms and provisions of the said conditions of contract annexed hereto so far as applicable, or in default thereof to forfeit and pay to the Governor or his/her successions in office, the sums of money mentioned in the said conditions.

**Give particulars and numbers*

Strike out (a) or (b) as applicable.

A sum of Rs * has been furnished through online net banking/RTGS/NEFT transfer as earnest money deposit [(a) the full value of which is to be absolutely forfeited to the Governor or his/her successors in office, without prejudice to any other rights or remedies of the said Governor or his successors in office. Should I/we not deposit the full amount of security specified in the above 'Memorandum' in accordance with clause I(A) of the said conditions of contract, the said sum of Rs shall be retained by the Government as on account of such security as aforesaid:(b) the full value of which shall be retained by Government on account of the security deposit specified in clause I (B) of the said conditions of contract].

T Signature of Contractor before submission of tender

Dated the _____ Day of _____ 20____

X T
(Witness)

X Signature of Witness to Contractor's signature

Address
Occupation

XX Signature of the Executive Engineer/AE on behalf of the Department.

The above tender is here by accepted by me for and on behalf of the Governor of the State of west Bengal

XX

Dated the _____ Day of _____ (Month) _____ (Year)

GENERAL CONDITIONS OF CONTRACT

Clause 1 1.1 Earnest Money - The person/persons who intend to participate in the Tender for an Estimated Amount up to Rs. 25 (Twenty Five) Crore shall have to deposit Earnest Money @ 2% (Two percent) of the Estimated Amount put to Tender or Rs 10 Lakh, whichever is lower.

In case of offline tender earnest money is to be submitted in the form of Bank Draft or Bankers Cheque.

In case of Online Tender (e-Tender) earnest money is to be deposited through e-tender portal (<https://wbtenchers.gov.in>) by selecting from either of the following payment modes:

- i) Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway.
- ii) RTGS/NEFT in case of offline payment through bank account in any Bank with his/her tender/quotation as per Memorandum No. 3975-F(Y) dated: - 28.07.2016 of Secretary to the Government of West Bengal, Finance Department. The L1 bidder shall make the Formal Agreement after getting the Letter of Acceptance (LOA) issued by the Tender Accepting Authority. Failure to make the Formal Agreement within the time period as prescribed in the Letter of Acceptance (LOA) for the purpose, may be construed as an attempt to disturb the tendering process and will be dealt with accordingly in a legal manner as deemed fit including blacklisting the bidder.

1.2 Security Deposit - While making any payment to the person(s) whose tender has been accepted (hereinafter shall be called the contractor) for work done under the contract, the authority making payment shall deduct such sum which together with the Earnest Money already deposited and converted into security deposit, shall amount to 3% of the value of works executed at the material point of time and paid during the progressive running accounts bills, so that total deduction together with

Earnest Money constitute 3% of the tendered value of work actually done.

In case of excess/and supplementary work over the tendered amount, additional security @ of 3% of such additional amount is to be deposited for all such excess/ and supplementary works beyond the tendered amount before payment of final bill.

Compensation of all other sums of money payable by the contractor to the Government under the terms of the contract may be deducted from the security deposit.

However, even though the earnest money deposited exceeds the prescribed percentage, due to reduction of tendered amount due to any reason whatsoever, such additional earnest money shall be deemed to have been converted into security and further deductions from progressive bills shall be made, taking into consideration the enhanced component of earnest money so converted into security.

Security deduction will not normally be required for hiring of inspection vehicles and boats etc., supply of tools & plants, furniture and computer peripherals. Separate agreement may be required in those cases, particularly for consultancy and RFP for EPC, which shall be made in standard formats to be approved by the Government.

After completion of the work, the Contractor may opt for refund of the Security Deposit by replacing equal amount of Bank Guarantee of scheduled Bank valid up to 3 months beyond the defect liability period.

Additional Performance Security @ 10% of the tendered amount in the form of Bank Guarantee from a Scheduled Bank, valid up to the date of completion of work, shall be obtained from the successful bidder, if the accepted bid value is 80% or less than the estimated amount put to tender.

If the bidder fails to submit Additional Performance Security within 7 (seven) working days from the date of LoA or the time period as approved by the Tender inviting Authority, his Earnest Money will be forfeited.

If the bidder fails to complete the works successfully, the Additional Performance Security along with Security Deposit lying with the Government shall be forfeited at any time during the pendency of contract period as per relevant Clauses of the Contract.

Necessary provisions regarding deductions of Security Deposit from the progressive bills of the Contractor as per relevant clauses of the contract will in no way be affected/ altered by this Additional Performance Security.

Clause 2. The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence. Time being deemed to be the essence of the contract on the part of the contractor, the contractor shall be bound in all cases, to achieve the 'Milestones' as defined under Clause 5 and specified in the NIT into various 'Identifiable and quantifiable construction related stages' pertaining to the work. In the event of the contractor failing to comply with any of the conditions related to achieving the 'Milestones' within the specified time period prescribed for such 'Milestone' plus one month, he/she shall be liable to pay compensation.

If the contractor fails to commence and/or maintain required progress viz. Milestones defined in the Notice Inviting Tender over the total time allotted for its full completion and in terms of clause 5 or fails to complete the work and clear the site on or before the end of contract period or extended date of completion, he/she shall, without prejudice to any other right or remedy available under the law on account of such breach, pay as agreed compensation to the implementing Department.

This will also apply to items or group of items for which a separate period of completion has been specified.

Compensation for delay of work: @ 2% (Two percent) of the tendered value of work arrived for each month of delay to be computed on per day basis subject to the ceiling limit of security deposit already withheld or due to be withheld during imposition of the said clause and minimum payable compensation equivalent to the Earnest Money deposited (EMD).

*Compensation
for delay*

Provided always, that the total amount of compensation for delay, to be paid under this clause shall not exceed 10% of the tendered value of work or the tendered value of the item or group of items of the work, for which a separate period of completion is originally given.

Action when whole of security deposit is forfeited

The amount of compensation may be adjusted or set-off against any sum payable to the contractor under this contract, if the contractor catches up with the progress of work subsequently, part or full of the desired progress as per the contract in accordance with the decision of the Tender Accepting Authority, under powers delegated by Government to be communicated by the Engineer-in-Charge, the withheld amount shall be released. However, no interest, whatsoever, shall be payable on such withheld amount.

Force majeure :-If the work(s) be delayed for the following reasons:-

Due to war, internal emergency and other conditions such as abnormally bad weather, flood, cyclone natural calamity or serious loss or damage by fire or civil commotion, the contractor shall immediately give notice thereof in writing to the Engineer-in-charge but shall nevertheless use constantly his/her best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-charge to proceed with the works.

Contractor remains liable to pay compensation, if action is not taken under Clause 3

Clause 3. Subject to other provisions contained in this clause, the Engineer-in-charge with the prior approval of Tender Accepting Authority, may, without prejudice to his/her any other rights, remedy against the Contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provision of the contract or otherwise, and whether the date of completion has or has not been elapsed, by notice in writing, absolutely determine the contract in any of the following cases:

- (i) If the Contractor has been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that work is being performed in an inefficient or otherwise improper or un-workman like manner, shall omit to comply with the requirements of such notice for a period of seven days thereafter;
- (ii) If the Contractor has without reasonable cause suspended the progress of work, or has failed to proceed with the work with due diligence so that, in the opinion of the Engineer-in-Charge he/she will be unable to secure completion of the work by the schedule date for completion, and continues to do so after a notice of seven days in writing from the Engineer-in-charge;
- (iii) If the Contractor fails to complete the work within the stipulated date or the Milestones/items of work within individual dates of completion, if any, stipulated on or before such date(s) of completion and does not complete them or reach the defined Milestones within the period specified in the notice given in writing to that effect by the Engineer-in-charge;
- (iv) If the Contractor persistently neglects to carry out his/her obligations under the contract and/or commits default by not complying with any of the terms & conditions of the contract and does not remedy it, or take effective steps to remedy it, within seven days after a notice in writing is given to him/her to that effect by the Engineer-in-Charge;
- (v) If the Contractor being an individual, or a firm, or any partner thereof, shall at any time be adjudged insolvent or have a 'Receiving Order' or Order for administration of his/her Estate made against him/her, or take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force, or make any conveyance or assignment of his/her effects or composition or arrangement for the benefit of his/her creditor or purport to do so, or if any application be made under Insolvency Act for the time being in force for the sequestration of his/her Estate, or if a trust deed is executed by him/her for benefit of his/her creditors;
- (vi) If the Contractor being a Company pass a resolution or the court delivers an order of judgement that the Company shall be wound up, or if a receiver or a manager on behalf of a creditor be appointed, or if a circumstance arise which entitle the Court or the creditor to appoint a receiver or a manager or which entitle the court to issue a winding up order;
- (vii) If the Contractor shall suffer an execution order being levied on his/her goods and allows it to be continued for a period of 21 days;
- (viii) If the Contractor assigns without prior written approval of the Tender Accepting

Authority, transfers, sublets (engagement of labour on piece work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire work or any portion thereof without prior written approval of the Engineer-in-charge;

- (ix) AND THEREFORE, the Contractor has made himself/herself liable for action under any of the cases aforesaid, the Engineer-in-charge on behalf of the Government with the prior approval of Tender Accepting Authority, shall have the powers to adopt any of the following actions, as he/she may deem best suited to the interest of the Government:-
- (a) To determine the contract as aforesaid, of which rescission notice in writing and costs to be recovered for works since executed subject to a minimum of the amount of Earnest Money deposited by the Contractor under the hand of Engineer-in-charge, shall be the conclusive evidence. Upon such determination, the Earnest Money Deposit, Security Deposit already recovered for executed works and performance guarantee, if any under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Government.
 - (b) After giving notice to the Contractor to measure up the work executed and to take such whole or the balance or part thereof, as shall be un-executed out of his/her hands, and to give it to another Contractor to complete the balance work. The Contractor, whose contract is determined or rescinded as above, shall not be allowed to participate in the tendering process for the balance work.
 - (c) To employ labour paid by the implementing Department, and to supply materials, to carry out the works or any part of the work, debarring the contractor and debiting the cost of labour and price of materials (of the amount of which cost and price determined by certificate of the Engineer-in-Charge shall be final and conclusive against the contractor) and crediting him/her 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/her contract; the certificate of the Executive Engineer as to the value of the work done shall be final and conclusive against the contractor.

Contractors remains liable to pay compensation if action not taken under Clause 3

In the event of above course being adopted by the Engineer-in-charge, the Contractor shall have no claim of compensation for any loss sustained by him/her by reason of his/her having purchased or procured any material or entered into any engagement or made any advances on any account or with a view to execute the work or the performance of the contract. 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 actually performed under this contract, unless and until the Engineer-in-charge has certified in writing that the performance of such work and value payable in respect thereof, and he/she shall only be entitled to be paid the value so certified.

Clause 3A. In case, the work cannot be started due to reasons not within the control of the Contractor within 1/4th (one fourth) of the stipulated time for completion of the work or 45 days whichever is less, which is accepted as a valid & justified reason by the Tender Accepting Authority, either party viz. Contractor & the Engineer-in-Charge may close the contract with the approval of Tender Accepting Authority. In such an eventuality, the earnest money deposited and the security of the contractor shall be refunded, but no payment on account of interests, loss of profit or damages etc. shall be payable at all.

Clause 3B. In case a continuing work cannot be completed due to reasons beyond the control of the contractor, like Force Majeure enumerated later under Clause 5, the contract may be terminated as stated in clause 3A above by the Engineer-in-Charge with the consent of the contractor and approval of the Tender Accepting Authority.

Clause 4. In cases in which any of the powers conferred upon the Engineer-in-Charge under Clause 3 hereof shall have become exercisable and the same had not

Power to take possession of or require removal of or sell Contractor's plant

been previously exercised, non-exercising thereof shall not constitute as a waiver of any of the conditions hereto, and such powers shall, notwithstanding be exercisable in the event of any future case of default by the contractor, for which by any clause or clauses hereof, he/she is declared liable to pay compensation amounting to whole of his/her security deposit, and the liability of the contractor for past and future compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force either of the powers under ix (a) or (c) vested with him/her under the preceding clause, he/she may if he/she so desires, take possession of all or any tools & plant, materials and stores, in or upon the work, or the site thereof, or belonging to the contractor, or procured by him/her and intended to be used for execution of the work, or any part thereof, paying or allowing for the same in account at the contract rates or in case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge whose certificate thereof, shall be final and binding. Otherwise, the Engineer-in-Charge may deliver notice in writing to the contractor or his/her clerk, foreman or other authorized agent, requiring him/her to remove such tools & plant, materials or stores from the premises within a time to be specified in such notice; and in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sale them by public auction or private sale on account of the contractor and at his/her risk, in all respects, and the certificate of the Engineer-in-Charge as to the expense of any such removal, and the amount of the proceeds and expense of any such sale shall be final and conclusive against the contractor.

Clause 5. The time allowed for execution of a work as specified in the 'Schedule of Work' or in the extended time in accordance with the terms and conditions shall be the essence of the contract. Execution of work shall commence from such time period as mentioned in the said schedule, or from the date of handing over of the site to the contractor whichever is later. If the contractor commits default in commencing execution of the work as aforesaid within thirty days, without justifiable reasons included under Force Majeure or other such reasons beyond the control of the contractor, in which case to be reported within seven days by the contractor, considered valid and cogent by the Engineer-in-Charge, the Engineer-in-Charge shall after passing of thirty days from the date of scheduled commencement of work as per work order, with the prior approval of the Tender Accepting Authority, without prejudice to any other right to remedy available in law, be at liberty to apply clause 2 and subsequently clause 3 of the tender document.

5.1 As soon as possible after the contract is executed, signed and agreed, the contractor shall submit a 'Time and Progress Chart' for each broad activity (Milestone) and get it approved by the Engineer-in-Charge. The chart shall be prepared in direct relation to the time slated in the Notice Inviting Tender (NIT) document, for completion of items or group of items of the work. It shall indicate the forecast of the dates of commencement and completion of various trades or sections of the work. This may be amended, as necessary, by an agreement between the Engineer-in-Charge and the contractor within the limitations of time imposed in the NIT document. Further, to ensure good progress during execution of work, the contractor shall in all cases, in which the time allowed for any work exceeds one month (save and except for special jobs for which a separate programme has been agreed upon) to complete the work as per defined 'Milestones' given in such 'Schedule of Work' defined clearly in the NIT itself into various 'Identifiable and quantifiable construction related stages' related with the type and nature of work, and that the 'total time allowed for completion of work' is to be broken up against achievement of those stages during the construction / progress of work to ensure a periodic monitoring of progress and enable the contractor and the Engineer-in-Charge to take corrective measures from time to time.

5.2 If the work(s) be delayed by:

Force majeure, due to war, internal emergency and other conditions such as abnormally bad weather, flood, cyclone natural calamity or serious loss or damage by fire or civil commotion, strike or lockout affecting procurement of construction materials or any of the trades employed in the work, or any other cause which in the absolute discretion of the Engineer-in-Charge is beyond the contractor's control, then upon happening of any such event causing delay, the

contractor shall immediately give notice in writing to the Engineer-in-Charge but shall nevertheless use constantly his/her best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

- 5.3** Request for rescheduling of 'Milestones' of various activities and extension of time, to be eligible for consideration, shall be made by the contractor in writing within fourteen days of the happening of the event causing delay in the prescribed form. The contractor may also, if practicable, indicate in such a request the period for which extension is desired.
- 5.4** If any such case the Engineer-in-Charge, with the approval of Tender Accepting Authority, may give a fair and reasonable extension of time and reschedule the activity wise 'Milestones' for completion of the work. Such extension shall be communicated to the contractor by the Engineer-in-Charge with the approval of Tender Accepting Authority in writing within maximum 1 (one) month of the date of receipt of such request.

Final Certificate

Clause 6. On completion of work, the contractor shall be furnished with a certificate by the Engineer-in-Charge of such completion, but no such certificate shall be given, nor shall the work be considered to be completed until and unless the contractor shall have removed from the work premises on which the work is executed, all scaffolding, surplus materials and rubbish, and cleaned off the dirt from wood works, doors, windows, floors, or other parts of any building, upon or about which the work is executed, or of which he may have had possession for the purpose of the execution thereof, nor until the work shall have been measured by the Engineer-in-charge whose measurements shall be binding and conclusive against the contractor. If the contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and cleaning off dirt on or before the date fixed for completion of the work, the Engineer-in-charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish, and dispose of the same as he/she thinks fit, and clean off such dirt as aforesaid; and the contractor shall forthwith be bound to pay the amount of all expense so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid, except for any sum actually realized by the sale thereof.

Payment on inter- mediate certificates to be regarded as advances

Clause 7. No running account bill payment shall be normally made for works less than 30 (Thirty) percent of Tendered Value or up to Rs 25.00 lakh, whichever is less, till after the whole of the work shall have been completed and certificate of completion given. For works of tendered value above Rs 25.00 lakh, for running account bill payment, the contractor shall on submitting a bill of at least Rs 25.00 lakh there for, be entitled to receive a payment proportionate to the part thereof, approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. But all such intermediate payments shall be regarded as payments by way of advance against the final measured bill payment only and not as payments for work actually done and completed, and shall not preclude the bad, unsound, and imperfect or unskillful work which is to be removed and taken away and reconstructed, or re-erected or to 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 Engineer-in-charge under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of the work, otherwise the Engineer-in-charge's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

Bills to be submitted monthly

Clause 8. Works bill shall be submitted by the contractor each month, after fulfilling above clause, on or before the date fixed by the Engineer-in-charge, for all works executed during the previous month, and the Engineer-in-charge shall take or cause to take the requisite measurement for the purpose of having the same verified, and the claim as far as admissible adjusted, if possible, before the expiry of fourteen days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-charge may depute a Junior Engineer to measure up the said

work in presence of the contractor, whose countersignature in the measurement book will be sufficient warrant; and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

Within 10 (Ten) days of completion of work, the contractor shall give notice of such completion to the Engineer-in-charge and within 14 (Fourteen) days of receipt of such notice, the Engineer-in-charge shall inspect the work, and if there is no defect in the work, he/she shall furnish to the contractor a final certificate of completion. Otherwise, a provisional certificate of physical completion indicating defects (a) to be rectified by the Contractor and/or (b) for which payment will be made at reduced rates, shall be issued. Such reduced rate is to be imposed with the approval of Superintending Engineer concerned.

Clause 8A. When annual repair and maintenance work is carried out, the splashes and droppings from white washing, colour washing, painting etc., on walls, floors, windows shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in the contract. In case, the contractor fails to comply with the requirements of this clause, the Engineer-in-Charge shall have the right to get this work done at the cost of the contractor either Departmentally or through any other contractor. Before taking such action, the Engineer-in-Charge shall give ten days notice in writing to the contractor.

Clause 8B. The Contractor shall submit completion Plan/Drawing as required in the 'General Specification' for Civil as well as Electrical Works as applicable within 30 days of completion of the work.

Clause 9. The Contractor shall submit all bills in printed forms, as per format prescribed by Government of West Bengal, in the office of the Engineer-in-Charge, and the charges in the bills shall always be entered at the rates specified in tender or in case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender at rates thereafter provided for such work.

Payments of contractor's bills to Banks

Clause 9A (1) Payments due to the contractor may, if so desired by him/her be made to his bank through e-Pradan, details of which has to be directly furnished to the Engineer-in-charge.

While the online receipt given by such Banks shall constitute a full and sufficient discharge/acquittance for the payment, the contractor should wherever possible present his/her bills duly receipted and discharged through his/her Banker/s.

(2) In the case of bills, which the contractor presents for payment direct, and which are not endorsed in favour of the Bank, while efforts will be made to secure payment to the financing Bank, payments made to the contractor should be accepted as full acquittance so far as the Government is concerned. As a part of the arrangement, the financing Bank should give the Government a letter to this effect.

Note 1. The procedure will not affect the usual rights of the Government to deduct from contractor's bill, (whether endorsed in favour of a Bank or not) any sum due to Government of account of penalties, over-payments etc., on this or any other contract with the Governor of the State of West Bengal.

Note 2. Nothing contained herein shall operate to create in favour of the Bank any rights, claims or equities vis-à-vis the Governor.

Stores supplied by Government

Clause 10. If the specification or estimate of the work provides for use of any special description of material to be supplied by the Engineer-in-Charge, (such materials & stores and the prices to be charged there for as hereinafter mentioned being so far as practicable for the convenience of the contractor, but not so as in any way to control the meaning or effect of this contract specified in the schedule or 'Memorandum' hereto annexed), the contractor shall be supplied with such materials and stores as is required from time to time to be used by him/her for the purpose of the contract only, and the value of the full quantity of materials and stores so supplied at the rates specified in the said schedule or Memorandum may be set off or deducted from any sums then due, or thereafter to become due to the contractor under the contract, or otherwise or against or from the security deposit, or the proceeds of sale thereof; if the same is held in Government securities, the same or a sufficient portion thereof being in this case sold for

the purpose. All materials supplied to the contractor shall remain the absolute property of Government, and shall not on any account be removed from the site of the work, and shall at all times be open for inspection by the Engineer-in-charge. Any such material unused and in perfectly good condition at the time of the completion or determination of the contract shall be returned to the Engineer-in-charge's store, if by a notice in writing under his/her hand, he/she shall so require; but the contractor shall not be entitled to return any such material unless with such consent, and shall have no claim for compensation on account of any such material so supplied to him/her as aforesaid being unused by him, or for any wastage or damage to any such material.

Work to be executed in accordance with specifications, drawings, orders, etc.

Clause 11. The Contractor shall execute the whole and every part of work in the most substantial and workman like manner, and both, as regards to materials and otherwise, in every respect, in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design and drawings, and instructions in writing relating to the work signed by the Engineer-in-Charge and lodged in his/her office, to which the contractor shall be entitled to have access at such office, or on the site of the work for the purpose of inspection during office hours, and the contractor shall, if he/she so require, be entitled at his/her own expense to make or cause to be made copies of the specifications, and of all such design, drawings and instructions as aforesaid.

Alteration in specification and designs do not invalidate contract

Clause 12. The Engineer-in-Charge shall have powers to make any alteration in, omission from, addition to, or substitution for, the original specifications, drawings, designs and instructions, that may appear to him/her to be necessary or recommended by Superintending Engineer or the Chief Engineer during the progress of work, and the contractor shall be at all times be bound to carry out these works, in accordance to any instructions which may be given to him/her in writing, signed by the Engineer-in-charge, and such alterations, omissions, additions or substitutions, shall not invalidate the contract but shall be deemed to have formed a part of the work included in the original tender and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as a part of the work shall be carried out by the contractor on the same conditions in all respects on which he/she agreed to do the main work, and at the same rates, if any, may be specified in the tender for the main work. Time for the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original work contract, and the certificate of the Engineer-in-charge shall be conclusive as to such proportion. And, if the altered, additional or substituted work includes any class of work, for which no rate is specified in the contract, then such class of work shall be carried out at the rates entered in the schedule of rates of concerned Works Department applicable in the district, which was in force at the time of acceptance of the contract, minus/plus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender; and if the altered, additional or substituted work is not entered in the said schedule of rates, payment thereof shall be made by the Engineer-in-charge by determining the rates on analysis worked out from (a) the basic rates of materials and labour provided in the aforesaid schedule of rates, or (b) the current market rates of materials and labour when even basic rates for the work are not available in the schedule. In cases when such rates are determined on analysis by the Engineer-in-charge under (a) above, the stipulated percentage above or below schedule of rates as provided in the contract shall also apply, and in case of rates worked out on analysis under (b) above, payment shall be made at the rates so determined without application of the said stipulated percentage. In the event of any dispute regarding rates determined on analysis for any altered, additional or substituted work under this clause, the decision of the Superintending Engineer shall be final and binding.

Rates for works not in tender BOQ/SoR

No compensation for alternation in or restriction of work to be carried out.

Clause 13. If at any time after the commencement of the work the Governor shall for any reason whatsoever not require the whole thereof as specified in the tender to be carried out, the Engineer-in-charge shall give notice in writing of the fact to the contractor, who shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from execution of the work in full, but which he/she did not derive in consequence of the full amount of the work not having been carried out; neither shall he/she have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs and instructions which shall involve any curtailment of the work as originally contemplated.

Action and compensation payable in case of bad work

Clause 14. If it shall appear to the Engineer-in-charge or his/her subordinate engineer in-charge of the work, 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 the Contractor, 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, the contractor shall on demand in writing from the Engineer-in-charge specifying the work, materials or articles complained of notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify or remove and re-construct the work so specified in whole or in part, as the case may require, or as the case may be remove the materials or articles so specified and provide other proper and suitable materials or articles at his/her own proper charge and cost; and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in his/her demand aforesaid, then the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate put to tender / on up to date executed work value for every day not exceeding ten days, while his/her failure to do so shall continue and in the case of any such failure, the Engineer-in-charge may rectify or remove, and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

Work to be open to inspection

Clause 15. All work under or in course of execution or executed in pursuance of the contract shall at all times be open to inspection and supervision of the Engineer-in-Charge and all his/her subordinates and also higher Officers / Authority of the Government and the contractor shall at all times during the normal working hours, and at all other times at which reasonable notice of the intention of the Engineer-in-charge or his/her subordinates to visit the work site shall have been given to the contractor, either himself/herself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if it had been given to the contractor himself/herself.

Contractor or his/her responsible agent to be present

Notice to be given before work is covered up

Clause 16. The Contractor shall give, not less than five days notice in writing to the Engineer-in-charge or his/her subordinate in-charge of the work, before covering up or otherwise placing beyond the reach of measurement any work, in order that the same is so covered up or placed beyond the reach of measurement, and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge or his/her subordinate, in-charge of the work; and if any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the contractor's expense, or, in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Contractor liable for damage done and for imperfections for 180 days after certificate

Clause 17. If the Contractor or his/her workers or authorized representatives shall break, deface, injure or destroy any part of the structure in which they may be working or any building, road, road curbs, fence, canals, water pipes, cables, drains, electric or telephone posts or wires, trees, grass or grassland or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work from any cause whatever or any imperfections become apparent in it at any time, whether during its execution or within a period of six months after issuance of a certificate of its completion by the Engineer-in-Charge, the contractor shall make the same good at his/her own expense, or in default, the Engineer-in-Charge may cause the same to be made good by other workers, and deduct the expenses (of which the certificate of the Engineer-in-Charge shall be final and binding) from any sums, whether under the contract or otherwise, that may be then, or at any time thereafter become due to the contractor by the Government or from his/her security deposit, or the proceeds of sale thereof, or of a sufficient portion thereof, and if the cost in the opinion of the Engineer-in-Charge whose opinion shall be final and conclusive against the contractor, making such damage or imperfections good shall exceed the amount of such security deposit and/or such sums, it shall be lawful for the Government to recover the excess costs from the contractor in accordance with the procedure prescribed by any law for the time being in force.

Clause 17A. The Contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works, and counting, weighing, assisting in the joint measurement or examination at any time and from time to time of the work or materials. Failing his/her so doing the same may be

provided by the Engineer-in-Charge at the expense of the Contractor and the expenses may be deducted from any money due to the contractor under the contract or from his/her Security Deposit or the proceeds of sales thereof or of a sufficient portion thereof. The Contractor shall also provide all necessary fencing / barricading / providing caution boards etc. and light required to protect the public from accident, and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damage and costs which may be awarded in such suit, actions or proceedings to any such persons or which may with the consent of the Contractor be paid to compromise any claim by any such persons.

Clause 18A. In every case in which by virtue of the provisions under sub-section (1) of Section 12, of the Workmen's Compensation Act, 1923, the implementing Department is obliged to pay compensation to a workman employed by the contractor, in execution of the works. The implementing Department will recover from the Contractor the amount of compensation so paid; and without prejudice to the rights of the Department under sub-section (2) of section 12, of the said Act, implementing Department shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by implementing Department to the Contractor whether under this contract or otherwise. The implementing Department shall not be bound to contest any claim made against it under sub-section (1) Section 12, of the said Act, except on the written request of the contractor and upon his/her giving to the implementing Department full security for all costs for which the Department might become liable in consequence of contesting such claims.

Clause 18B. In every case in which by virtue of the provisions under 'The Contract Labour (Regulation & Abolition) Act 1970', and its amendments and rules, the implementing Department is obliged to pay amount of wages to a workman employed by the Contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Contractors, executing Department will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the executing Department under sub-section(2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, executing Department shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Executing Department to the Contractor whether under this contract or otherwise and the executing Department shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of section 21, of the said Act, except on the written request of the Contractor and upon his/her giving to the implementing Department full security for all costs for which the Department might become liable in contesting such claim.

Clause 19. The Contractor shall obtain a valid license under the Contract Labour (Regulation and Abolition) Act, 1970, before the commencement of the work, and continue to have valid licenses until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986, Fatal Accident Act, 1855, Personal Injuries (Compensation Insurance) Act, 1970.

The Contractor shall also comply with the provisions of the 'Building and Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996' and 'The Building and Other Construction Workers Welfare Cess Act, 1996'. Failure to fulfill these requirements shall attract penal provisions of the contract, arising out of the resultant non-implementation of such provisions.

Labour

Clause 19A. No labour/s below the age of eighteen years shall be employed in the work and the contractor shall abide by the provisions of the Child Labour (Prohibition & Regulation) Act, 1986. Employment of female labour/s in works in the neighborhoods of sensitive barracks should be avoided as far as possible.

*Payment of
minimum
Wages to
Labour*

Clause 19B. The Contractor shall pay to labours employed by him/her either directly or through Sub-Contractors, wages not less than fair wages as defined by the Labour Commissioner of the State Government under 'Minimum Wages Act, 1948', Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and

Abolition) Act, 1970, wherever applicable.

The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him/her.

In respect of all labourers directly or indirectly employed in the works for performance of the Contractor's part of the contract, the contractor shall comply with or cause to be complied with the contractor's Labour Regulations made by the State Government/ Government of India, from time to time in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid and deductions made without authority, maintenance of wage books or wage slips, publication of scale of wage and other terms of employment, inspection and submission of periodical returns and all other matters likewise in nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979, Minimum Wages Act, 1948, wherever applicable.

- a) The Engineer-in-Charge concerned shall have the right to deduct from the money due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his/her/their wages which are not justified by their terms of the contract or non-observance of the regulations.
- b) Under the provision of Weekly Holidays Act, 1986, the contractor is bound to allow to the labours, directly or indirectly employed in the work, one day rest for 6 days of continuous work, and pay wages at the same rate as for duty. In the event of default, the Engineer-in-charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labour and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in-charge concerned.

The contractor shall also comply with the provisions of the 'Employees Liability Act, 2008', Workmen's Compensation Act and 'Maternity Benefits Act' or the amendments thereof or any other law relating thereto, and the rules made there under from time to time.

The Contractor shall indemnify and keep indemnified the implementing Department against payments to be made under and for the observance of the laws aforesaid and PW Contractor's Labour Regulations without prejudice to this right to claim indemnity from his/her sub-contractors.

The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

Whatever is the minimum wage for the time being, or if the wage payable is higher than minimum wage, such wage shall be paid by the contractor to the workers directly without the intervention of any Dafadar, and that Dafadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workers as and by way of commission or otherwise.

The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Dafadar from the wage of workers.

Clause 19C. In respect of all labours directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his/her own expenses, arrange for the safety provisions as framed from time to time by the competent authority, and shall at his/her own expense provide all facilities in connection therewith. In case the contractor fails to make arrangement, and fail to provide necessary facilities as aforesaid, he/she shall be liable to pay a penalty of Rs. 2000/- for each default, and in addition the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in their behalf, from the contractor.

Clause 19D. For the works above Rs. 2.0 crore, the Contractor shall submit by the 4th and 19th of every month to the Engineer-in-charge, a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively-

The number of labourers employed by him/her on the work, their working hours, and the

wages paid to them;

Accidents that had occurred during the said fortnight showing the circumstances under which it had happened, and the extent of damage and injury caused by them, and the number of female workers who have been allowed maternity benefits according to Clause 19F of the contract and the amount paid to them;

Failing which the contractor shall be liable to pay to the Department, a sum not exceeding Rs. 2000/- for each default or materially incorrect statement. The decision of the Engineer-in-charge shall be final in deducting from any bill due to the contractor; the amount levied as fine and would be binding on the contractor.

Clause 19E. In respect of all labours directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by the Government from time to time for the protection of health and sanitary arrangements of workers employed by the contractor.

Clause 19F. In the event of the contractor(s) committing a default or breach of any of the provisions of the Contractor's Labour Regulations and Rules for the protection of health and sanitary arrangement for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and Rules which is materially incorrect, he/she shall, without prejudice to any other liability, pay to the Department a sum not exceeding Rs. 2000/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractors defaulting continuously in this respect, the penalty may be enhanced to Rs. 200/- per day for each day of default subject to a maximum of five per cent of the tendered value. The decision of the Engineer-in-charge shall be final and binding on the parties.

Should it appear to the Engineer-in-charge that the contractor(s) is/are not properly observing and complying to the provisions of the Contractor's Labour Regulations and Rules, The Minimum Wages Act, 1948 and Contract Labour (Regulation and Abolition) Act 1970, for the protection of health and sanitary arrangements for work-people employed by the contractor(s) (hereinafter referred as 'the said Rules') the Engineer-in-charge shall have the power to give notice in writing to the contractor(s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work-people within a reasonable time to be specified in the notice. If the contractor(s) shall fail within the period specified in the notice to comply with and/or observe the said Rules and to provide the amenities to the work-people as aforesaid, the Engineer-in-charge shall have the power to provide the amenities herein before mentioned at the cost of the contractor(s). The contractor(s) shall erect, make and maintain at his/her own expense and to approved standards all necessary hutments and sanitary arrangements required for his/her/their work-people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, the Engineer-in-charge shall have power to give notice in writing to the contractor(s) requiring that the said hutments and sanitary arrangements be remodeled and/or reconstruct such hutments and sanitary arrangements according to approved standards, and if the contractor(s) shall fail to remodel or reconstruct such hutments and sanitary arrangements according to approved standards within the period specified in the notice, the Engineer-in-charge shall have the power to remodel or reconstruct such hutments and sanitary arrangements according to approved standards at the cost of the contractor(s).

Clause 19G. The contractor shall comply with all the provisions of The Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970, Employees Liability Act, Industrial Dispute Act and Maternity Benefit Act, 1961, as amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force by the appropriate authority from time to time.

Clause 19H. The Engineer-in-charge may require the contractor to remove from the site of work, any person or persons engaged/assigned or employed by the contractors upon the work who may be determined as insane or incompetent or misconducts himself/herself, and the contractor shall forthwith comply with such requirements.

Clause 19I. It shall be the responsibility of the contractor to see that the

building/structure under construction is not occupied by anybody unauthorized during construction, and is handed over to the Engineer-in-charge with vacant possession free from encumbrances in entirety, If such buildings/structures through completed is occupied illegally, then the Engineer-in-Charge shall have the option to refuse to accept the said building/structure in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay a levy up to 5% of tendered value of work may be imposed by the Engineer-in-charge whose decision shall be final both with regard to the justification and quantum and shall be binding on the contractor.

However, the Engineer-in-charge, through a notice, may require the contractor to remove the illegal occupations, any time on or before construction and delivery.

Work on Sundays

Clause 20. No work shall be done on Sundays without the prior sanction of the Engineer-in-charge.

Work not to be sublet. Contract may be rescinded and security deposit forfeited for subletting, bribing, or if contractor becomes insolvent

Clause 21. The contract shall not be assigned or sublet without specific orders from Government in respect of a specified sub-contractor. And if the contractor shall assign or sublet his contract, or attempt so to do, or become insolvent or commence any in insolvency proceedings or make any composition with his creditor, or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage, pecuniary or otherwise, shall either directly or indirectly be given, promised, or offered by the contractor, or any of his servants or agents to any public officer or person in the employ of Government in any way relating to his office of employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Divisional Officer may thereupon by notice in writing rescind the contract, and the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of Government and the same consequences shall ensure as if the contract had been rescinded under the Clause 3 hereof, and in addition the contractor shall not be entitled to recover or be paid for any work there for actually performed under the contract.

Sum payable as compensation to be considered as reasonable without reference to actual loss

Clause 22. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Government without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

Changes in constitution of firm

Clause 23. Where the contractor is a partnership firm or a consortium, prior approval in writing of the Engineer-in-Charge shall be obtained for any change made in the constitution of the firm/consortium. Where the contractor is an individual or a Hindu Undivided Family (HUF) business concern, such approval as aforesaid shall likewise be obtained, before the contractor enters into any partnership agreement/Memorandum of Articles whereunder the partnership firm/ consortium would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract is liable to be rescinded.

Works to be under direction of Engineer-in-Charge

Clause 24. All works to be executed under the contract shall be executed under the direction of Engineer-in-Charge. Further instructions/advices, if felt necessary by Superintending Engineer/ Chief Engineer, shall also be binding to be communicated by the Engineer-in-Charge.

Settlement of disputes - Dispute Redressal Committee'

Clause 25. Settlement of Disputes and Arbitration:

Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever, in any way arising out of or relating to the contracts, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the executions or failure to execute the same, whether arising during the progress of the work, or after the completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers any work demanded of him/her to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge or any matter in connection with or arising out of the contract or carrying out of the work to be unacceptable, he/she shall promptly within 15 days request the Chairman of the Departmental Dispute Redressal Committee, in writing, for

written instruction or decision. Thereupon, the Dispute Redressal Committee shall give its written instruction or decision within a period of three months from the date of receipt of the Contractor's letter.

The Dispute Redressal Committee in each of the Works Departments shall be constituted with the following officials as Members:

1	Secretary / Engineer-in-Chief of the Department concerned	Chairman
2	Joint Secretary / Deputy Secretary / any Officer of equivalent rank of the Department	Member
3	One Designated Chief Engineer / Engineer of the Department to be nominated by the Department concerned.	Member Secretary and Convenor
4	One representative of Finance Department of the Government not below the rank of Joint Secretary or Financial Advisor in case of the Works Department where FA system has been introduced.	Member

This provisions will be applicable irrespective of the value of the works to which the dispute may relate.

Clause 26. The contractor shall fully indemnify and keep indemnified the implementing Department against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against implementing Department in respect of any such matter as aforesaid, the contractor shall be immediately notified thereof by the implementing Department and the contractor shall be at liberty, at his/ her own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the implementing Department if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge this behalf.

Lump sum as in estimates

Clause 27. When the estimate on which the tender is made includes lump sums in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of works involved or the part of the work in question at the same rates as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-charge, capable of measurement, certificate in writing of the Engineer-in-charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of this clause.

Action where no specification

Clause 28. In the case of any class of work for which there is no such specifications as referred to under Clause 11, such work shall be carried out in accordance with the latest Bureau of Indian Standards (BIS) specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per reputed manufacturer's specifications if accepted by the Engineer-in-Charge. If not available, then as per State Government / Union Government accepted and approved specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge which is approved by the Tender Accepting Authority.

Definition of works

Clause 29. The expression "works" or "work" where used in these conditions shall, unless there be something either in the subject or context repugnant to such construction, be constructed and taken to mean the works by or by virtue of the contract constructed to be executed, whether temporary or permanent and whether original, altered, substituted or additional.

Clause 30. The Contractor(s) shall at his/their own cost provide his/their labour with hutting on an approved site, and shall make arrangements for conservancy and sanitation in the labour camp to the satisfaction of the local Public Health and Medical Authorities. He/they shall also at his/their own cost make arrangements for the laying

of pipe lines for water supply to his/their labour camp from the existing mains wherever available, and shall pay all fees, charges and expenses in connection with there and incidental thereto.

Clause 31. The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions:-

- i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer-in-charge;
- ii) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are, in the opinion of the Engineer-in-Charge, unsatisfactory.

Clause 32. The contractor undertakes to make arrangement for the supervision of the work by the firm supplying the construction materials. The Contractor shall collect the total quantity of materials as per approved programme required for the work as per approved programme, before the work is started and shall hypothecate it to the Engineer-in-Charge. If any material remains unused on completion of the work on account of lesser use of materials in actual execution for reasons other than authorized changes of specifications and abandonment of portion of work, a corresponding deduction equivalent to the cost of unused materials as determined by the Engineer-in-Charge shall be made and the material returned to the contractor. Although the materials are hypothecated to Institute, the contractor undertakes the responsibility for their proper watch, safe custody and protection against all risks. The materials shall not be removed from site of work without the consent of the Engineer-in-Charge in writing.

The contractor shall be responsible for rectifying defects noticed within Defect Liability Period from the date of completion of the work and the portion of the security deposit relating to work shall be refunded after the expiry of Defect Liability Period.

Clause 33. The contractor shall provide all necessary superintendence during execution of the work and as long thereafter as may be necessary for proper fulfilling of the obligations under the contract.

*Contractors
Superintendence,
Supervision,
Technical Staff &
Employees*

The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name(s), qualifications, experience, age, address(es) and other particulars along with certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work. The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his/her approval or otherwise of such representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative shall be appointed by the contractor soon after receipt of the approval from the Engineer-in-Charge and shall be available at site before start of work.

If the contractor (or any partner in case of firm/company) himself/herself has such qualifications, it will not be necessary for the said contractor to appoint such a principal technical representative but the contractor shall designate and appoint a responsible agent to represent him and to be present at the work whenever the contractor is not in a position to be so present. All the provisions applicable to the principal technical representative under the clause will also be applicable in such a case to the contractor or his responsible agent. The principal technical representative and/or the contractor shall on receiving reasonable notice from the Engineer-in-Charge or his designated representative(s) in charge of the work in writing or in person or otherwise, present himself/herself to the Engineer-in-Charge and/or at the site of work, as required, to take instructions. Instructions given to the principal technical representative or the responsible agent shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and/or the contractor or his/her responsible authorized agent shall be actually available at site especially during important stages of execution of work, during recording of measurement of works and whenever so required by the Engineer-in-Charge by a notice as aforesaid and shall also note down instructions conveyed by the Engineer-in-Charge or his/her designated representative in the site order

book and shall affix his signature in token of noting down the instructions and in token of acceptance of measurements.

If the Engineer-in-Charge, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Schedule and the decision of the Engineer-in-Charge as recorded in the site order book and measurement recorded checked / test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint a suitable technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) along with every running account bill / final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semi-skilled and unskilled labour as is necessary for proper and timely execution of the work.

The Engineer-in-Charge shall be at liberty to object to and require the contractor to remove from the works any person who, in his opinion, misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

Clause 34. "Levy / Taxes Payable by Contractor"

- (i) GST, Building and other Construction Workers' Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the Contractor and Engineer-in-Charge shall not entertain any claim whatsoever in this respect.
- (ii) The contractor shall deposit Government Royalty and obtain necessary permit for supply of the sand, stone chips, red bajri, sand stone, river bed materials etc. from local authorities, if those are directly procured from quarry sites.

In case materials are procured from secondary sources, certificates of quarry owners to the effect of payment of royalties and Cess would have to be furnished. In absence of such certificates towards payment of Royalties and Cess such components shall be deducted from the contractor's bills at prescribed rates and deposited through 'GRIPS' portal or otherwise, in the designated Government Treasuries/PAO.

If pursuant to or under any law, notification or order, any Royalty, Cess or the like becomes payable by the implementing Department and does not at any time become payable by the contractor to the State Government/Local appropriate authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the Department and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.

Clause 35.

- (i) All tendered rates shall be inclusive of statutory taxes and levies payable under respective statutes. However, if any further tax or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the contractor shall be reimbursed the amount so paid. Provided such payments, if any, is not, in the opinion of the Engineer-in-charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.
- (ii) 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 Department and/or the Engineer-in-Charge

and further shall furnish such other information/document as the Engineer-in-Charge may require from time to time.

- (iii) The contractor shall, within a period of 30 days of the imposition of any such further tax or levy or cess, give a written notice thereof to the Engineer-in-Charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

Clause 36. Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer-in-charge shall have the option of terminating the contract without compensation to the contractor, but would be liable to clear full dues and claims on work done to his/her legal successor/s.

Clause 37. The contractor shall not be permitted to tender for works in which his near relative is posted as in any capacity between the grades of the Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him/her in any capacity or are subsequently employed by him/her and who are near relatives to any Official in the Institute. Any breach of this condition by the contractor would render him/her liable to be removed from the approved list of contractors of the Department. If however the contractor is registered in any other Department, he/she shall be debarred from tendering in the Department for any breach of this condition.

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

Clause 38. No engineer of Gazetted Rank or other Gazetted Officer employed in engineering or administrative duties in the Government shall work as a contractor or employee of a contractor for a period of one year after his/her retirement from Government service without the previous permission of Government in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

Clause 39. The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Engineer-in-Charge and a certificate from him/her to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by the Engineer-in-Charge to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Engineer-in-Charge, such payments being in addition to compensation 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 compensation shall be assessed by the Engineer-in-Charge concerned. The contractor shall be paid for the damages/destruction suffered and for the restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Engineer-in-Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the Air Force Officers or the Engineer-in-Charge (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work.

In the event of the contractor having to carry out reconstruction as aforesaid, he/she shall be allowed such extension of time for its completion as is considered reasonable by the Engineer-in-charge.

Clause 40. The contractor shall comply with the provisions of the Apprentices Act, 1961 and the Apprenticeship Rules, 1992 and orders issued thereunder from time to time. If

he/she fails to do so, his/her failure will be a breach of the contract and the Engineer-in-Charge may, in his/her discretion, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him/her of the provisions of the said Act.

Clause 41. Procedure For Suspension and Debarment of Supplier, Contractors and Consultants

The procedure as laid down below shall govern the suspension/debarment of Suppliers/Contractors/Consultants (Contractors for brevity) involved in Government procurement for offences or violations committed during competitive bidding and contract implementation, for the works under different Departments of Government of West Bengal.

Grounds for Suspension and Debarment:-

- (1) Submission of eligibility requirements containing false information or falsified documents.
- (2) Submission of Bids that contain false information or falsified documents, or the concealment of such information in the Bids in order to influence the outcome of eligibility screening or any other stage of the bidding process.
- (3) Unauthorized use of one's name/digital signature certificate for the purpose of bidding process.
- (4) Any documented unsolicited attempt by a bidder (**A Person/Contractor/Agency /Joint Venture/Consortium/Corporation participating in the procurement process and/or a person / Contractor / Agency / Joint Venture / Consortium / Corporation having an agreement/contract for any procurement with the department shall be referred as Bidder**) unduly influencing the outcome of the bidding in his favour.
- (5) Refusal or failure to post a self-declaration to the effect of any previous debarment imposed by any other department of State Government and/or Central Government.
- (6) All other acts that tend to defeat the purpose of the competitive bidding such as lodging false complain about any Bidder, lodging false complain about any Officer duly authorized by the Department, restraining any interested bidder to participate in the bidding process, etc.
- (7) Assignment and subcontracting of the contract or any part thereof without prior written approval of the procuring entity.
- (8) Whenever adverse reports related to adverse performance, misbehaviour, direct or indirect involvement in threatening, making false complaints etc. damaging the reputation of the department or any other type complaint considered fit by the competent authority of the department, are received from more than one Officer or on more than one occasion from individual Officer.
- (9) Refusal or failure to post the required performance security / earnest money within the prescribed time without justifiable cause.
- (10) Failure in deployment of Technical Personnel, Engineers and/or Work Supervisor having requisite license / supervisor certificate of competency as specified in the contract.
- (11) Refusal to accept an award after issuance of "Letter of Acceptance" or enter into contract with the Government without justifiable cause.
- (12) Failure of the Contractor, due solely to his fault or negligence, to mobilize and start work or performance within the specified period as mentioned in the "Letter of Acceptance", "Letter of Acceptance cum Work Order", "Work Order", "Notice to Proceed", "Award of Contract", etc.
- (13) Failure by the Contractor to fully and faithfully comply with its contractual obligations without valid cause, or failure by the Contractor to comply with any written lawful instruction of the Procuring Entity/Authority (the Officer authorized by the Administrative Department, Government of West Bengal for procurement) or its representative(s) pursuant to the implementation of the Contract.
- (14) For the procurement of Consultancy Service/Contracts, poor performance by the Consultant of his services arising from his fault or negligence. Any of the following acts by the Consultant shall be construed as poor performance.
 - (i) Non deployment of competent technical personnel, competent Engineers and/or work supervisors;
 - (ii) Non-deployment of committed equipment, facilities, support staff and manpower;
 - (iii) Defective design resulting in substantial corrective works in design and/or construction;

- (iv) Failure to deliver critical outputs due to consultant's fault or negligence;
 - (v) Specifying materials which are inappropriate and substandard or way above acceptable standards leading to high procurement cost;
 - (vi) Allowing defective workmanship or works by the Contractor being supervised by the Consultant.
- (15) For the procurement of goods, unsatisfactory progress in the delivery of the goods by the manufacturer, supplier, or distributor arising from his fault or negligence and/or unsatisfactory or inferior quality of goods, vis-à-vis as laid down in the contract.
- (16) Willful or deliberate abandonment or non-performance of the project or Contract by the Contractor resulting in substantial breach thereof without lawful and/or just cause.

CATEGORY OF OFFENCE :-

- (A) First degree of offence: 1 to 16 of the above Clause-41 to be considered as First degree of offence.
- (B) Second degree of offence: Any one of the offences as mentioned under 'A' above, committed by a particular Bidder/Contractor/Supplier on more than one occasion, be considered as Second degree of offence.

In addition to the penalty of suspension/debarment, the bid security / earnest money posted by the concerned Bidder or prospective Bidder shall also be forfeited.

PENALTY FOR OFFENCE :-

- (I) For committing First degree of offence: Disqualifying a Bidder from participating in any procurement process under the Administrative Department of Government of West Bengal up to 2 (two) years.
- (II) For committing Second degree of offence: Disqualifying a Bidder from participating in any procurement process under the Administrative Department of Government of West Bengal up to 3 (three) years.

PROCEDURE OF SUSPENSION AND DEBARMENT DURING THE PROCUREMENT PROCESS

- (1) Initiation of Action, Notification and Hearings:
Any Bidder or procurement authority on his own or based on any other information made available to him may invite the process of suspension/debarment proceedings by filing a written application with the **Bid Evaluation Committee** and such filing of written application has to be done within forty eight hours from the date and time of publication of the result of technical evaluation of any bid.
- (a) Upon verification of the existence of grounds for suspension/debarment, the Chairperson of **Bid Evaluation Committee** shall immediately notify the bidder concerned either electronically through his registered e-mail or in writing to his postal address, advising him that:
- i) A complaint has been filed against him and prima facie material has been found, which may lead to suspension/debarment.
 - ii) He has been recommended to be placed under suspension/debarment by the suspension committee (as constituted by the respective Administrative Department) stating the ground for such.
 - iii) The said bidder, within three days from the date of issue of such notification by the Bid Evaluation Committee, may approach the Chairperson of Suspension Committee by submitting all required documents in his favour for hearing. Any application made thereafter would not be entertained.
- Such notice should contain the e-mail id and the postal address of the Chairperson of the Suspension Committee.
- (b) After receiving the recommendation for suspension from Bid Evaluation Committee, Suspension Committee shall issue a notice to the alleged bidder electronically through his registered e-mail id, to submit all relevant documents in support of his defense within three working days after issuance of the notice of the Suspension Committee. The Suspension Committee will conduct the hearing within seven working days from the date of receipt of the documents from the alleged bidder. If no appeal has been received from the alleged bidder or if after hearing sufficient ground for suspension is found, the Suspension Committee, will suspend the alleged bidder from participating in the procurement process under the Administrative Department for a period of six months from the date of issuance of suspension order. The Chairperson of the

Suspension Committee shall issue the suspension order within seven days from the last date of hearing and shall notify the bidder concerned either electronically through his registered e-mail id or in writing to his postal address. The Chairperson of Suspension Committee shall also inform the decision to all concerned.

If sufficient reason for suspension is not found, the Suspension Committee would reject the recommendation of Bid Evaluation Committee and would allow the bidder to take part in the tendering process.

If the bidder is suspended, the Suspension Committee would recommend debarment of the bidder and forward the case with all documents to the Debarment Committee for further action.

- (c) The Debarment Committee upon receipt of the recommendation of the Suspension Committee shall scrutinize the documents. The Debarment Committee will hold a hearing of the alleged bidder and issue necessary order within ten working days from the last date of hearing. The Debarment Committee, if satisfied after hearing, shall forward the case to the Department for orders of Debarment. The Department in due course will issue Debarment Order disqualifying/prohibiting the erring bidder from participating in the bidding/procurement of all projects under the Administrative Department for a specified period. The alleged bidder shall be intimated accordingly either electronically through his registered e-mail id or in writing to his postal address. Otherwise the Debarment Committee may reject the recommendation of the Suspension Committee. The Chairperson of Debarment Committee shall also inform the decision to all concerned.

PROCEDURE FOR DEBARMENT DURING THE CONTRACT IMPLEMENTATION STAGE:-

- (A) Upon termination of contract due to default of the Bidder, the Engineer-in-Charge shall recommend for debarment to the Bid Evaluation Committee. The Bid Evaluation Committee shall submit his recommendation of debarment of the alleged Bidder along with a detailed report stating clearly the reasons for debarment to the Debarment Committee within 30 (thirty) days from the date of termination of contract. The alleged Bidder shall be intimated accordingly either electronically to his registered e-mail id or in writing to his postal address. The Chairperson of Bid Evaluation Committee shall also inform the decision to all concerned.
- (B) The Debarment Committee upon receipt of the recommendation of Bid Evaluation Committee shall scrutinize the documents. The Debarment Committee will hold a hearing about the matter from the Bidder and issue necessary order within 10 (ten) working days from the last date of hearing. The Debarment Committee, if satisfied after hearing, shall forward the case to the Department for the order of debarment. The Department in due course will issue debarment order disqualifying/prohibiting the erring Bidder from participating in the bidding/procurement of all projects under the Administrative Department, Government of West Bengal for a specified period. The alleged Bidder shall be intimated accordingly either electronically to his registered e-mail id or in writing to his postal address. Otherwise the Debarment Committee may reject the recommendation of the Bid Evaluation Committee. The Chairperson of Debarment Committee shall also inform the decision to all concerned.

STATUS OF SUSPENDED / DEBARRED BIDDER :-

- (a) Bidder placed under Suspension/Debarment by the competent authority will not be allowed to participate in any procurement process under the Administrative Department within the period of suspension/debarment. The earnest money of the suspended Bidder shall stand forfeited to the Government.
- (b) If the Suspension/Debarment Order is issued prior to the date of issue of "Letter of Acceptance", "Letter of Acceptance cum Work Order", "Work Order", "Notice to Proceed", "Award of Contract" etc. for any Bid, the Suspended/Debarred Bidder shall not be qualified for Award for the said Bid and such Procurement Process will be dealt with as per existing norms by simply excluding the erring Bidder.
- (c) If the Suspension/Debarment Order is issued after award of a Government Project/Contract to the Debarred Bidder, the awarded Project/Contract shall not be prejudiced by the said Order provided that the said offence(s) committed by the Debarred Bidder is not connected with the awarded project/contract.

Clause 42. Executive Engineer of the concerned Division will be the Engineer-in-Charge in respect of the Tender contract and all correspondences concerning rates, claims, change

in specifications and/or design and similar important matters will be valid only if accepted/recommended by the Engineer-in-Charge. If any correspondence of above tender is made with Officers other than the Engineer-in-charge for speedy execution of works, the same will not be valid unless copies are sent to the Engineer-in-Charge and also approved by him. Instructions given by the Assistant Engineer and the Junior Engineer on behalf of the Engineer-in-Charge (who have been authorized to carry out the work on behalf of the Engineer-in-Charge) regarding specification, supervision, approval of materials and workmanship shall also be valid. In case of dispute relating to specification and work, the decision of Engineer-in-Charge shall be final and binding. The Engineer-in-Charge will however invariably take decisions relating to tender contract or as mentioned in the relevant rules and clauses of the contract document with the approval of the Tender Accepting Authority.

Clause 43. Acceptance of the Tender will rest with the Tender Accepting Authority without assigning reason thereof to the bidder. The accepting authority reserves the right to reject any or all of the tenders without assigning any reason thereof to the bidder/contractor.

Clause 44. In the event of acceptance of Lowest Rate, no multiple Lowest Rates will be considered for acceptance by the Department. In such cases, the Tender will be cancelled.

Clause 45. In the event of conflicting different clauses, the clauses in the e-NIT will prevail.

Clause 46. Engineer-in-Charge shall not entertain any claim whatsoever from the Contractor for payment of compensation on account of idle labour on such grounds including non-possession of encumbrance free land.

Clause 47. Engineer-in-Charge shall not be held liable for any compensation due to machines becoming idle or any circumstances including untimely rains, other natural calamities, like strikes etc.

Clause 48. Imposition of any Duty/Tax/Octroi/Royalty etc. whatsoever of its nature (after work order / commencement and before final completion of the work) is to be borne by the contractor/bidder. Original challan of those materials, which are procured by the bidder, may be asked to be submitted for verification.

Clause 49. Cess @ 1% or as amended time to time of the cost of construction works shall be deducted from the Gross value of all Works Bill in terms of Finance Department order. Also it is instructed to register his/her establishment under the Act, with the competent registering Authority, i.e. Assistant Labour Commissioner / Deputy Labour Commissioner of the region.

Clause 50. No Mobilization/Secured Advance will be allowed unless specified otherwise in the contract.

Clause 51. Valid PAN issued by the Income Tax Department, Government of India, valid 15 digit Goods and Services Tax Payer Identification Number (GSTIN) under GST Act 2017, Cess, Royalty of Sand, Stone Chips, Stone Metal Gravel, Boulders, Forest product etc., Toll Tax, Income Tax, Ferry Charges and other Local Taxes, if any, are to be paid by the Contractor/Bidder. No extra payment will be made as a reimbursement or as compensation for these. The rates of supply and finished work items are inclusive of these taxes and charges.

Clause 52. All working Tools & Plants, Scaffolding, Construction of Vats & Platforms and arrangement of Labour Camps will have to be arranged by the Contractor at his/her own cost.

Clause 53. The Contractor shall supply Mazdoors, Bamboos, Ropes, Pegs, Flags etc. for laying out the work and for taking and checking measurements for which no extra payment will be made.

Clause 54. The Contractor/Bidder should see the site of works and Tender Documents, Drawings etc. before submitting e-Tender and satisfy himself/herself regarding the condition and nature of works and ascertain difficulties that might be encountered in executing the work, carrying materials to the site of work, availability of drinking water and

other human requirements & security etc. Work on river banks may be interrupted due to a number of unforeseen reasons e.g. sudden rises in water levels, inundation during flood, inaccessibility of working site for carriage of materials. Engineer-in Charge may order the contractor to suspend work that may be subjected to damage by climate conditions. No claim will be entertained on this account. There may be variation in alignment, height of embankment or depth of cutting, location of revetment, structures etc. due to change of topography, river condition and local requirements etc. between the preparation and execution of the scheme for which the tendered rate and contract will not stand invalid. The Contractor will not be entitled to any claim or extra rate on any of these accounts.

Clause 55. A machine page numbered Site Order Book (with triplicate copy) will have to be maintained at site by the Contractor and the same has got to be issued from the Engineer-in-Charge before commencement of work. Instructions given by inspecting officers not below the rank of Assistant Engineer will be recorded in this book and the contractor must note down the action to be taken by him in this connection as quickly as possible.

Clause 56. The work will have to be completed within the time mentioned in the e-NIT. A suitable Work Programme based on time allowed for completion of work as per e-NIT is to be submitted by the contractor within 7 (seven) days from the date of receipt of work order which should satisfy the time limit of completion. The contractor should inform in writing, within 7 (seven) days from the date of receipt of work order, the names of his authorized representatives who are to remain present at site daily during work execution who will receive instructions of the work, sign measurement book, bills and other Government papers etc.

Clause 57. No compensation for idle labour, establishment charge or on other reasons such as variation of price indices etc. will be entertained.

Clause 58. All possible precautions should be taken for the safety of the people and work force deployed at worksite as per safety rule in force. Contractor will remain responsible for his labour in respect of his liabilities under the Workmen's Compensation Act etc. He must deal with such cases as promptly as possible. Proper road signs as per PWD practice or any other sign board for safety purpose as per requirement by the concerned Administrative Department will have to be erected by the Contractor at his own cost while operating in public thoroughfares.

Clause 59. The Contractor will have to maintain qualified technical employees and/or Apprentices at site as per prevailing Apprentice Act or as stipulated in the contract.

Clause 60. The Contractor will have to accept the Work Programme as per modifications and priority of work fixed by the Engineer-in-Charge so that most vulnerable reach and/or vulnerable items are completed before impending monsoon or rise in river flood water level or for other suitable reasons.

Clause 61. Quantities of different items of work mentioned in the tender schedule or in work order are only tentative. In actual work, these may vary considerably. Payment will be made on the basis of works actually done in different items and no claim will be entertained for reduction of quantities in some items or for omission of some items. For execution of quantitative excess in any item or supplementary new items of work as decided by the Department, approval of the Superintending Engineer / Chief Engineer / Government would be required, depending on whosoever be the Tender Accepting Authority, before making such payment.

Clause 62. In order to cope up with the present system of e-billing, supply of departmental materials is generally not allowed. However, if in special circumstances, Departmental materials may be issued to the Contractor/Bidder to the extent of requirements as assessed, those may be recovered from the Running Account Bill and/or Final Bill, as applicable.

Clause 63. Any material brought to site by the contractor is subject to approval of the Engineer-in-Charge. The rejected materials must be removed by the contractor from the site at his own cost within 24 hours of issue of the order to that effect. The rates in the schedule are inclusive of cost and carriage of all materials to worksite. The materials will have to be supplied in phase with due intimation to the Assistant Engineer concerned in

conformity with the progress of the work. For special type of materials, i.e. Geo Synthetic Bags, HDPE Bags, Geo Textile Filter, Geo Jute Filter etc., if any, relevant Data Sheet containing the name of the Manufacturers, Test Report etc. will also be submitted on each occasion. Engineer-in-Charge may conduct independent test on the samples drawn randomly before according approval for using the materials at site. In this regard decision of Engineer-in-Charge shall be final and binding.

Clause 64. For all items of contract jobs requiring skilled labour, the contractor shall have to employ 70% (Seventy Percent) of skilled labour locally. In case the Contractor fails to recruit skilled local labour, the Contractor shall employ skilled labour locally secured by Government in the manner indicated above. For bridge works, highly technical works of labour, the contractor may, with the prior permission in writing of the Engineer-in-charge to whom full facts must be placed for such permission, import and employ skilled labour up to 30% (Thirty Percent) of the total requirement. In this case the expression "Imported labour" shall mean "labour imported primarily from other States and secondarily, from the distant districts of the State of West Bengal." In case where the contractor fails to secure unskilled local labour or to engage imported labour, the contractor shall employ labour locally recruited by Government or labour imported by Government at the rate to be decided by the Superintending Engineer of the works concerned, whose decision as to the circumstances in which employment of such labour is of mutual advantage to Government and the contractor, will be final and binding on the parties.

Clause 65. All queries and disputes arising out of the works tender contract is to be brought to the notice of the Chairman of the 'Department Dispute Redressal Committee' in writing for decision within 15 days.

Clause 66. The contractor shall have to make his own arrangements for water, both for the work and use by his workers, etc., for road rollers and for all tools and plant, etc., required on the work.

Clause 67. Contractor will be responsible for the payments of all water charges payable to the Corporation Municipality / Panchayat or any other water works authority including a Government Department concerned.

Clause 68. If the contractors shall desire an extension of the time for completion of the work under clause 5 of the contract, no application for such extension will be entertained if it is not received in sufficient time to allow the Executive Engineer to consider it and the Contractor will be responsible for the consequences arising out of his negligence in this respect.

Clause 69. The Contractor will have to leave ducts in walls and floors to run conduit or cables, where necessary, and he will not be entitled to any extra payment on this account.

Clause 70. Contractors in the course of their work should understand that all materials obtained in the work of Dismantling, Excavation, etc., will be considered Government property and will be disposed of to the best advantage of Government.

Clause 71. In case of very special case of circumstances, if any Departmental materials are issued, there may be delay in obtaining the materials by the Department and the Contractor is, therefore, required to keep himself/herself in touch with the day to day position regarding the supply of materials from the Engineer-in-charge and to so adjust the progress of the work that his labour may not remain idle nor may there be any other claim due to or arising from delay in obtaining the materials. It should be clearly understood that no claim whatsoever shall be entertained by the Department on account of delay in supplying materials.

Clause 72. No compensation for any damage done by rain or traffic during the execution of the work will be made.

Clause 73. Whenever a work is carried out in municipal area, electric lights or electric danger signals whenever available shall be provided by the contractors on the barriers as well as paraffin lights. Facilities for the electric connection will be made by this Department but the Contractor will bear all the expenses.

Clause 74. The Contractor should quote through rate inclusive of cost of materials and carriage to place of working.

Clause 75. The Contractors should give complete specifications showing the method of execution and the quantity and quality of materials they intend to use per hundred square metre area.

Clause 76. In cases where water is used by the Contractor he will be required to deposit in advance with the Executive Engineer the charges for water which are to be calculated in accordance with the schedule of miscellaneous rates in the Canal Act.

Clause 77. It must be clearly understood by the Contractor that no claim on account of enhanced rates on those already accepted, due to fluctuations arising out of any situation will be entertained during the currency of this contract for the work as per schedule attached to the agreement and the additional work, if any, under Clause 12 of the contract.

Clause 78. In the event of emergency the Contractor will be required to pay his labour everyday and if this is not done, Government shall make the requisite payments as would have been paid by the contractor and recover the cost from the contractors.

INCONVENIENCE OF THE PUBLIC

Clause 79. The Contractor(s) shall not deposit material on any site which will seriously inconvenience the public. The Engineer-in-charge may require the Contractor(s) to remove any materials, which are considered by him to be a danger or inconvenience to the public or cause them to be removed at the contractor's cost.

Clause 80. The Contractor undertakes to have the site clean, free from rubbish to the satisfaction of the Engineer-in-charge. All surplus materials, rubbish etc. will be removed to the places fixed by the Engineer-in-charge and nothing extra will be paid.

Clause 81. The Contractor shall not allow any rubbish or debris to remain on the premises during or after repairs, but shall remove the same and keep the place neat and tidy during the progress of the work. The Engineer-in-charge may get the site premises cleared of debris etc. And recover the cost from the bill of the contractor, if the latter shows slackness in observing this clause.

Clause-82. Construction materials brought at site shall not be stacked at random. The contractor shall stack all these materials as directed by the Engineer-in-charge.

INTERPRETATION OF CLAUSES

Governor means the Governor of the State of West Bengal and his/her successors.

The Government means Government in the concerned Works Department.

The Department means the Secretary of the concerned Department or his/her authorized representative.

The Divisional Officer means the Executive Engineer of the concerned Works Department for the time being of the Division concerned, also identified as the Engineer-in-Charge.

The Sub-divisional Officer means the Assistant Engineer of the concerned Works Department for the time being of the Sub-division concerned. Junior Engineer equivalent to Section Officer of the Section concerned.

Superintending Engineer in the concerned works Department is the final Authority regarding Schedule of Rates and also the acceptance of Non-scheduled item rates arrived on the basis of market rate analysis for supplementary items, and the authority for approval of Reduced Rates and Part Rates. He is also the Tender Accepting Authority for works of value above Rs. 45.00 lakh and up to Rs. 2.00 crore under existing delegated power.

Chief Engineer in the concerned Works Department is the technical head of the Directorate and is also the Tender Accepting Authority for all works of value above Rs.

2.00 crore. Excess work over individual items comprising the original tender may be exceeded beyond 10% with the approval of concerned tender accepting authority and verified by the Superintending Engineer / Chief Engineer subject to the total value of work upon completion is within the technically sanctioned cost and that there is no major deviation from original scope of work in the tender. **Any supplementary tender/item/work in connection with the main tender is to be taken up with the approval of the Tender Accepting Authority not below the rank of Executive Engineer.** Such supplementary tenders above 10% of BOQ are to be executed only with the approval of appropriate Government irrespective of the value of tender.

Words importing the singular number only include the plural number and vice versa.

Irrespective of the accepting authority, Divisional officer shall be the authority signing agreement for all tenders of value more than Rs. 3.00 lakh up to any amount on behalf of the State.

Schedule showing (approximately) materials to be supplied by the Engineer-in-Charge under clause 10:

Particulars	Rates at which the materials will be charged to the contractor			Place of delivery
	Unit	Rs.	P.	

Note 1- The person or firm submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-charge on the issue of the form prior to the submission of the tender.

(Name in full)
*Signature of Contractor/Agency
with official seal containing
Principal office address

(Name in full)
*Signature of Managing Director
on behalf of West Bengal Medical
Services Corporation Limited with
official seal containing designation &
address

* To be authenticated on each and every page of the contract document by all parties.

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
BUILDING WORKS :					
Dismantling, Cutting Chase, Holes Etc					
1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				-
	Third Floor				
		7.497	CuM	675.00	5,060.48
					-
2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				
	Third Floor				
	(a) upto 150 mm. thick	1.000	CuM	1,232.00	1,232.00
					-
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.				
	Third Floor				
	(a) upto 150 mm. thick	1.000	CuM	2,382.00	2,382.00
					-
4	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.				
	Third Floor				
		77.960	SqM	21.00	1,637.16
					-
5	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge				
		9.497	CuM	188.00	1,785.44
					-
Brickworks, Concrete Works etc.					
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.				-
	Third Floor				
		109.230	SqM	803.00	87,711.69
					-
7	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-in-charge.				-
	a) 3.90 metre height	1.000	Each	316.00	316.00
	a.1) labour rate for shifting	5.000	Each	32.00	160.00
					-
	b) Extra for additional 3.6 height or part thereof	8.000	Each	277.00	2,216.00
	b.1) labour rate for shifting	40.000	Each	28.00	1,120.00
					-

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
8	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. ii) River Bazree Third Floor				-
		0.856	CuM	5,690.00	4,870.64
					-
9	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (c) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work. Third Floor				-
		15.270	SqM	472.00	7,207.44
					-
10	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (i) Tor steel/Mild Steel II. JSW/JSPL/SHYAM/SRMB/BMASL/ELECRSTEEL/SSL Third Floor				-
		0.084	MT	66,430.00	5,580.12
					-
	Flooring				
11	Supplying, fitting and fixing Black Stone slab used in Kitchen slab, above, wardrobe etc. laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer-in -Charge in Ground Floor. (b) Slab Thickness above 25 mm and upto 37.5 mm				-
		27.750	SqM	846.00	23,476.50
					-
12	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In ground floor (c) Area of each Granite slab above 1.00 Square meter.				-
		8.100	SqM	3,442.00	27,880.20
					-
13	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m (ii) Other than Coloured decorative including white				-
		257.985	SqM	1,189.00	306,744.17
					-

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
14	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor)				-
	(l) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.				-
	(B) Light Colour				-
		48.000	SqM	1,452.00	69,696.00
					-
	Structural Steel works, Grills, Gates etc.				-
15	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.				-
	(i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq.mtr.				-
		1.356	Qntl	8,338.00	11,306.33
					-
16	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.				-
		7.260	SqM	4,396.00	31,914.96
	(A) Extra over the corresponding item of collapsible gate for top hung				-
		7.260	SqM	167.00	1,212.42
	Wood and PVC works				-
17	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals).				-
	(c) Sal : Siliguri.				-
		0.150	CuM	92,686.00	13,902.90
					-
18	Supplying solid flush type doors of deluxe decorative (both side) quality, conforming to I:S 2202 timber frame consisting of top and bottom rail and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 27.5mm wide battens places both ways in order to made the door of solid core and internal lipping with teak, mahogany or rose wood approved decorative veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing the shutters in position but excluding the cost of hinges and other fittings in ground floor:				-
		7.560	SqM	4,474.00	33,823.44
					-

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	P A R T I C U L A R S	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
19	(c) Double leaf shutters [Note: Mode of measurement-Measurement shall be made on the basis of area of shutter]				-
		7.560	SqM	34.00	257.04
20	(B) Dressed wood work in post , plate , battens etc. fitted & fixed complete (excluding the cost of bolts only, but including the cost of nails, screws etc.) (The quantum should be corrected upto three decimals)				-
	(c) Sal : Siliguri.				-
		0.048	CuM	98,071.00	4,707.41
21	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete (1:2:4) as per direction. (Cost of concrete will be paid separately)				-
	(b) 40mm X 6mm, 200mm Length				-
		12.000	Each	28.00	336.00
22	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (Add Extra 30% for Oxidised Fittings) (viii) 100mm. X 75mm. X 3.50mm.				-
		16.000	Each	97.00	1,552.00
23	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (c) 300mm long.				-
		8.000	Each	188.00	1,504.00
24	(ii) Door stopper (Anodised aluminium)				-
		20.000	Each	79.00	1,580.00
25	ii) Godrej Hydraulic door closer fitted and fixed complete. (b) Medium type				-
		15.000	Each	1,883.00	28,245.00
26	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (viii) 225mm long x 12mm dia. bolt.				-
		20.000	Each	129.00	2,580.00
27	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (b) With round base: (v) 150 mm grip x 12 mm dia rod.				-
		20.000	Each	103.00	2,060.00
28	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame& refixing the same including mending good all damages complete. (Concrete and brick work for mending damage will be paid separately)				-
	(b) Above area 2.5 Sq.m				-
		22.680	SqM	165.00	3,742.20
					-

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
29	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848-1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in-Charge.(excluding the cost of supporting frame work and teak wood batten/Lipping) In Ground Floor (v) 16mm				-
		8.460	SqM	1,838.00	15,549.48
30	Providing, fitting and fixing in position, medium density fibre board conforming to IS: 12406-1988 for plain and IS: 14587-1998 for prelaminate made of wood fibre bonded with Urea formaldehyde for interior grade and Phenol Formaldehyde for exterior grade conforming to per IS:848-1974 as per approved make and brand as per direction of Engineer-in-Charge. (C) Both side decorative lamination (II) Interior Grade (i) 8mm				-
		54.720	SqM	883.00	48,317.76
31	Partition of teak veneer [1 mm] as per design fitted and fixed complete (excluding the supporting frame work & necessary teak wood battens): In ground floor (i) 4mm thick commercial quality				-
		5.760	SqM	574.00	3,306.24
	Plastering, Pointing etc.				-
32	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/ staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (b) 20 mm thick plaster Third Floor				-
		314.985	SqM	178.00	56,067.33
33	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor) (a) One Coat i) Water based interior grade Acrylic Primer				-
		1,651.206	SqM	35.00	57,792.21
34	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick)				-
		314.985	SqM	138.00	43,467.93
35	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats) i) Standard Quality				-
		1,651.206	SqM	70.00	115,584.42

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
36	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.				-
		100.000	SqM	33.00	3,300.00
	(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.				-
		25.000	SqM	43.00	1,075.00
					-
37	A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :				-
	(a) On timber or plastered surface :				
	With super gloss (hi-gloss) -				
	(iv) Two coats (with any shade except white)	25.000	SqM	92.00	2,300.00
	(b) On steel or other metal surface :				
	With super gloss (hi-gloss) -				
	(iv) Two coats (with any shade except white)	100.000	SqM	89.00	8,900.00
					-
	Aluminium works				
38	Supplying concealed type heavy duty PVC headed aluminium tower bolt for double leaf doors as per approved make and brand as per direction of Engineer-in-Charge				-
	(c) 300 mm long	16.000	Each	84.00	1,344.00
					-
39	Supplying PVC rollers for sliding windows as per direction of Engineer in charge.				-
	(c) 300 mm long	64.000	Each	16.00	1,024.00
					-
40	Supplying maruti lock (100mm)	16.000	Pair	52.00	832.00
					-
41	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.				-
	iv) 5mm thick coloured / tinted / smoke glass.	4.500	SqM	662.00	2,979.00
	v) 6mm thick clear glass.	61.860	SqM	688.00	42,559.68
					-
42	Supplying stainless steel functional hinge for casement window as per approved brand as directed by Engineer- in charge. (Natural White)				-
	(b) 300 mm long	10.000	Each	376.00	3,760.00
					-
43	Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge.				-
	i) 150 mm.	6.000	Each	428.00	2,568.00
					-
44	(A) Supplying Aluminium casted body hydraulic door closer as per I.S.I.	12.000	Each	718.00	8,616.00
	(C) Supplying Heavy Duty Aluminium Handle	24.000	Each	428.00	10,272.00

Name of Work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Jalpaiguri SSH building in the district of Jalpaiguri.					
BOQ					
Sl. No.	PARTICULARS	Quantity	Unit	Rate inclu. GST & LC [In Rs.]	Amount [In Rs.]
	(D) Supplying Aluminium casted body Butt Hinge (KOBRA type). (Natural white)				
		24.000	Each set	63.00	1,512.00
					-
45	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width				-
	Third Floor				
		128.400	Mtr.	88.00	11,299.20
					-
46	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc) 10-12 Micron thickness Anodizing film Natural white				-
	Third Floor				
		181.440	Kg.	436.00	79,107.84
					-
47	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film. Natural white.				-
	b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm				
	Third Floor				
		424.500	Kg.	438.00	185,931.00
			TOTAL	(A)	1,395,264.63
				SAY:	1,395,265.00
					Rupees: Thirteen lakhs ninety five thousand two hundred sixty five only

Name of work - Estimate for Civil work for 24-bed hybrid Critical Unit (8 bedded CCU and 16 bedded HDU) at Domkal SSH, Murshidabad.

BOQ

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
A. Dismantling Work					
1	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof. b) Extra for each addl. Floor over the rate of <u>gournd floor</u>	Sqm	15	76.92	1,176.90
2	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof. b) Extra for each addl. Floor over the rate of <u>gournd floor</u>				
	For 3rd Floor	cum	2.875	675.33	1,941.56
	For 2nd floor	cum	1.035	618.77	640.42
	For Ground Floor	cum	1.294	505.65	654.18
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars. (a) In ground floor including roof. (b) Extra rate for each addl floor over the rate of <u>ground floor.</u>	cum	0.3125	2212.63	691.45
4	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed. 3rd Floor	Sqm	206.25	19.23	3,966.27
B. Brickwork, Plaster, Painting and flooring Work					
5	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4 cement mortar (c) 10 mm thick plaster 3rd Floor	Sqm	23.50	141.40	3,322.90
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor	Sqm	30.06	765.82	23,020.62

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
7	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (c) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	Sqm	2.018	412.89	833.00
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (i) Tor steel/Mild Steel II. JSW/JSPL/SHYAM/SRMB/BMASL/ELECTROSTEEL /SSL	MT	0.0270	62212.61	1,681.27
9	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in 3rd floor as per relevant IS codes.	Cum	0.27	5695.59	1,563.44
10	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In 3rd floor	Sqm	11.50	3946.76	45,387.70
11	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint.	Sqm	250.70	23.76	5,955.43
12	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5mm thick)	Sqm	230.75	124.43	28,712.68
13	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothening of surface. Two Coats	Sqm	352.75	79.18	27,932.16

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
C. Aluminium Fixed Partion and door Work					
14	<p>Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Annodizing film. Natural white.</p> <p>b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm</p> <p>[Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.0 Kg per Sq.M]</p> <p>[Mode of Measurement: for SL No. 15 to 17 Payment will be made on the basis of actual weight of Aluminium Composit section based on relevant specification]</p>	Kg	657.25	437.77	2,87,727.22
15	<p>Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming groves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP)</p> <p>(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)</p>	Sqm	110.515	3255.59	3,59,791.93
16	<p>Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.</p> <p>vi) v) 6mm thick clear glass.</p>	Sqm	51.175	687.77	35,196.61
17	<p>Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangment etc) 10-12 Micron thickness Annodizing film Natural white</p>	Kg	323.19	435.51	1,40,753.12
18	<p>Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width</p>	Mtr	182.10	88.23	16,067.34
19	<p>(a) Supplying 'Godrej' mortice lock chromium plated with latch and keys 4 levers, including fitting and fixing complete.</p>	Each	18.00	1222.83	22,010.89
20	<p>ii) Godrej Hydraulic door closer fitted and fixed complete. (c) Light type</p>	Each	24.00	1658.34	39,800.14

SI no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
21	<p>Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.</p> <p>(D) Wall</p> <p>With Polymerised Adhesive and Epoxy grout pointing including spacer- 2 mm (When Tiles are laid over existing hard ready surface)</p> <p>(b) Area of each tile above 0.09 Sq.m [using adhesive 4.5 mm thick]</p> <p>(i) Coloured decorative</p> <p>3rd Floor</p>	Sqm	10.50	1314.45	13,801.77
22	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.(Oxidised)</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p> <p>3rd Floor</p>	Each	66.00	74.66	4,927.51
23	<p>Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws:</p> <p>(x) 300mm long x 12mm dia. bolt.</p> <p>3rd Floor</p>	Each	22.00	170.81	3,757.85
24	<p>(i) Door stopper.(Brass)</p> <p>3rd Floor</p>	Each	24.00	132.35	3,176.41
25	<p>Supplying, fitting & fixing Stainless Steel 'D' or 'H' type of size 300 mm x 19 mm tubular Handle with Grade 304, CE certified, marked & conforming to EN - 1154, of approved quality of reputed brand as per direction of Engineer-in- Charge fitted and fixed complete including all incidental charges.</p> <p>3rd floor</p>	Each	6.00	1777.12	10,662.69
26	<p>Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White)</p> <p>For Movable door shutter.</p> <p>3rd floor</p>	Each	22.00	108.60	2,389.09

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
D. False ceiling repairing Work					
27	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRCvalue > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor	Sqm	12.00	1535.04	18,420.46
E. Sanitary & Plumbing Works					
28	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. (a) For Exposed Work				
	20 mm	Mtr	30.00	161.76	4,852.85
	25 mm	Mtr	35.00	235.29	8,235.14
29	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007				
	(B) Socket				
	20mm	each	25	12	311.08
	25mm	each	20	23	452.48
	(C) Equal Tee				
	20mm	each	25	24	593.88
	25mm	each	20	44	882.34
	(D) Reducing Socket				
	25 mm X20 mm	each	10	19	192.30
	(E) Reducing Elbow				
	25 mm X20 mm	each		21	-
	(V) Female threaded adopter (Brass threaded) 20 mm	each	10	92	916.27
	(K) Elbow (90°)				
	20mm	each	15	17	254.52
	25mm	each	20	33	656.10
	(Q) Ball Valve				
	20mm	each	6	172	1,031.65
	25mm	each	6	270	1,622.14

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
30	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm	each	4.00	4284.99	17,139.94
31	Supplying, fitting and fixing pillar cock of approved make. f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar	each	10.00	1196.81	11,968.10
32	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	each	5.00	627.82	3,139.08
33	"Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) "				
		100 mm metre	35.00	1282.78	44,897.33
		65 mm metre	40.00	677.59	27,103.55
				Total (A)	12,30,211.77
				Say	12,30,212.00
Rupees Twelve Lakh Thirty thousand two hundred and twelve only					

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1st floor of Bolpur SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
1	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:18681983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Annodizing film. Natural white. for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm (unit wt of Top, bottom & side member @ 1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) @ 5.7 Kg per Sq.M]	1045	Kg	391.00	408595.00
2	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:18681983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc) 10-12 Micron thickness Annodizing film Natural white (unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.) [Note : for estimate purpose construction wing may consider weight of Aluminium door @ 9.0 Kg per Sq.M]	325	Kg	385.00	125125.00
3	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping)(B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 1990. a) Exterior grade 12mm thick (2nd Floor)	120	Sq.M	1045.00	125400.00
4	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. vii) 8mm thick clear glass.	32	Sq.M	907.00	29024.00
5	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws(vi) 200mm long x 10mm dia. bolt. For Aluminium	30	Each	78.00	2340.00
6	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.(i) 250mm x 19mm dia bolt. For Aluminium Door For Wooden Door	15	Each	287.00	4305.00
7	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws:(vi) 125 x 63 x 3.2mm.	140	Each	77.00	10780.00
8	Anodised aliminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod) (vii) 150 mm grip x 12 mm dia rod For Aluminium Door/ For Wooden Door	40	Each	111.00	4440.00
9	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	10	Each	1665.00	16650.00
10	Iron socket bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt.	24	Each	40.00	960.00
11	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. at 1st Floor	170.25	Cu.M	547.00	93126.75
12	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	14.78	Cu.M	166.00	2453.48
13	Cutting chase upto 125 x 150 mm. and subsequent mending of damages. (a) in brick wall [Cement-3.6 Kg/Mtr]	12	Mtr	86.00	1032.00
14	Cutting holes and subsequent mending good damages. (a) Diameter upto 150 mm				0.00
	(i) In brick work [Cement-4.0 Kg/Mtr]	2	Mtr	103.00	206.00
	(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]	0.45	Mtr	131.00	58.95
15	Brick work with 1st class bricks in cement mortar (1:4) Deduction for Door	24.23	Cu.M	6075.00	147197.25
16	b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required).	5.98	Sq.M	257.00	1536.86

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1st floor of Bolpur SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
17	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement) Note : Payment on volume of (1 : 1½ : 3) Concrete.	0.492	Cu.M	4403.00	2166.28
18	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes	2.048	Cu.M	4054.00	8302.59
19	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed.	14.74	Sq.M	106.00	1562.44
20	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge. 1st Floor Attached Toilet--	100.24	Sq.M	1060.00	106254.40
21	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m) Other than Coloured decorative including white.	143.95	Sq.M	1026.00	147692.70
22	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (iii) With 1:3 cement mortar 15 mm thick plaster	45	Sq.M	170.00	7650.00
23	A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (iv) Two coats (with any shade except white) For Seamless Gypsum	188.75	Sq.M	81	15288.75
24	(g) Supplying, fitting & fixing Eco-friendly, Heat Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) conforming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with i) 12.5mm thick thick tapered edged Gypsum Plaster Board at 1st Floor Toilet at 1st Floor (for closing visible Soil pipe)	45.22	Sq.M	409.00	18494.98
25	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRC value > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.a) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U1520). a) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U1520). at 1st Floor (For Closing the visible Soil pipe)	36.5	Sq.M	1357.00	49530.50
26	Supplying, fitting and fixing white vitreous china best quality approved make wash basin ""with C.I. brackets on 75 mm X 75 mm wooden blocks,C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia-, C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C"P. nut 32 mm dia", 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including rrending good a1l damages and painting the brackets with two coats of approved paint. [ii] 550 mnt X 400 mm size	8	Nos	2208.00	17664.00
26	Supplying, fitting and fixing PVC pipes of approved make of Schedule B0 [medium. duty conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved quality in any position above ground. [Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. Payment for painting will be made seperately] [a]				0.00
	PVC Pipes (Dia)- 15mm	95	Mtr	101.00	9595.00
	PVC Pipes (Dia)- 20 mrrn	85	Mtr	129.00	10965.00
	PVC Pipes (Dia)- 25mm	104	Mtr	177.00	18408.00
	PVC Pipes [Dia]- 32 mm	75	Mtr	236.00	17700.00
	PVC Pipes [Dia]- 40mm	90	Mtr	292.00	26280.00

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 1st floor of Bolpur SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
27	Cutting hole through wall, roof or cornice and mending good ail damages.	10	Each	68.00	680.00
28	(d) (i) Chromium plated angular Stop Cock with wall flange [Equivalent] to Code No. 5053 & Model - Florentine of Jaquar or similar brandl.	10	Each	815.00	8150.00
29	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour frame size 550 mm X 400 mm	10	Each	613.00	6130.00
30	Supplying, fitting and fixing towel rail with two brackets.(al C.P. over brass [i] 25 mm dia. and 450 mm long	10	Each	384.00	3840.00
31	Supplying, fitting and fixing liquid soap container.[a]Cromium plated.	10	Each	393.00	3930.00
32	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.(ii) 50 mm	10	Each	254.00	2540.00
33	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position r.vith necessary bolts, nuts etc.[b] With 'S' trap	10	Each	1512.00	15120.00
34	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. [a.] E.W.C. iv) Bestolite solid type) white	10	Each	715.00	7150.00
35	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessaryfixing materials and clamps complete. il Polythene Flush Pipe	10	Each	155.00	1550.00
36	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to LS. specification with P.V-C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	10	Each	1015.00	10150.00
37	Supplying,fitting and fixing approved brand P.V.C. CONNETITOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mrn dia. [iii] 600 mm long	10	Each	107.00	1070.00
38	Supplying, fitting and fixing shower of approved brand and make.[i] Hand Shower(Health Faucet)with I mtr Flexible Tube with Wall Hook Equivalent to Code No.573 & Model -ALLIED of jaquar or similar.	10	Each	1151.00	11510.00
39	Supplying, fitting and fixing pillar cock of approved make. fl (ii) CP Z-way bib Cock - 15mm, supplied, fitted and fixed. [Code No.5041 & Model - FLORENTINE of JAQUAR or similar brandJ	10	Each	1269.00	12690.00

TOTAL (A) 1515294.93

Total Including GST@12% 1697130.322

Total Including Cess@1% 1714101.62

Say: 1714102.00

Total Amount= (Rupees: Seventeen lakhs fourteen thousand one hundred two only)

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Sagardighi SSH building in the district of Murshidabad					
BOQ					
Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
A. Dismantling Work					
1	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof. b) Extra for each addl. Floor over the rate of gournnd floor	Sqm	10	76.92	769.22
2	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.	cum	1.2375	2382.31	2,948.11
3	Taking out carefully G.C.I. or C.I. or asbestos sheets (including ridges etc.) from roof or wall after unscrewing bolts, nuts, screws etc.and stacking the material at site as directed. 3rd Floor	Sqm	216.00	46.38	10,017.91
B. Brickwork, Plaster, Painting and flooring Work					
4	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4 cement mortar (c) 10 mm thick plaster 3rd Floor	Sqm	237.00	141.40	33,511.80
5	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in Second floor	Sqm	25.50	765.82	19,528.47
6	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in Second floor as per relevant IS codes.	Cum	0.11	5695.59	640.75
7	Supplying,fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In 3rd floor	Sqm	1.50	3946.76	5,920.14
8	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint.	Sqm	491.46	23.76	11,674.73
9	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick)	Sqm	216.00	124.43	26,877.31

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
10	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats	Sqm	744.96	79.18	58,988.91
C. Aluminium Fixed Partion and door Work					
11	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Annodizing film. Natural white. b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm [Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.0 Kg per Sq.M] [Mode of Measurement: for SL No. 15 to 17 Payment will be made on the basis of actual weight of Aluminium Composit section based on relevant specification]	Kg	1296.5	437.77	5,67,574.51
12	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and strainless Steel screws forming groves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of measurement is as finished surface)	Sqm	205.91	3255.59	6,70,359.28
13	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. vi) v) 6mm thick clear glass.	Sqm	60.81	687.77	41,823.27
14	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangment etc) 10-12 Micron thickness Annodizing film Natural white	Kg	249.48	435.51	1,08,651.53
15	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width	Mtr.	170.60	88.23	15,052.65
16	(a) Supplying 'Godrej' mortice lock chromium plated with latch and keys 4 levers, including fitting and fixing complete.	Each	12.00	1222.83	14,673.93

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
17	ii) Godrej Hydraulic door closer fitted and fixed complete. (c) Light type	Each	16.00	1658.34	26,533.43
18	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (D) Wall With Polymerised Adhesive and Epoxy grout pointing including spacer- 2 mm (When Tiles are laid over existing hard ready surface) (b) Area of each tile above 0.09 Sq.m [using adhesive 4.5 mm thick] (i) Coloured decorative 3rd Floor	Sqm	132.00	1314.45	1,73,507.98
19	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.(Oxidised) (viii) 100mm. X 75mm. X 3.50mm. 3rd Floor	Each	48.00	74.66	3,583.64
20	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (x) 300mm long x 12mm dia. bolt. 3rd Floor	Each	32.00	170.81	5,465.96
21	(i) Door stopper.(Brass) 3rd Floor	Each	16.00	132.35	2,117.61
22	Supplying, fitting & fixing Stainless Steel 'D' or 'H' type of size 300 mm x 19 mm tubular Handle with Grade 304, CE certified, marked & conforming to EN - 1154, of approved quality of reputed brand as per direction of Engineer-in- Charge fitted and fixed complete including all incidental charges. 3rd floor	Each	8.00	1777.12	14,216.92
23	Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White) For Movable door shutter. 3rd floor	Each	16.00	108.60	1,737.52
D. False ceiling repairing Work					

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
24	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRCvalue > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor	Sqm	30.00	1535.04	46,051.15
E. Sanitary & Plumbing Works					
25	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (a) For Exposed Work				
	20 mm	Mtr	20.00	161.76	3,235.23
	25 mm	Mtr	30.00	235.29	7,058.69
26	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007				
	(B) Socket				
	20mm	each	10	12	124.43
	25mm	each	15	23	339.36
	(C) Equal Tee				
	20mm	each	5	24	118.78
	25mm	each	5	44	220.58
	(D) Reducing Socket				
	25 mm X20 mm	each	5	19	96.15
	(E) Reducing Elbow				
	25 mm X20 mm	each		21	-
	(V) Female threaded adopter (Brass threaded) 20 mm	each	6	92	549.76

Sl no.	Description of Item	Unit	Quantity	Rate	Amount (RS.)
	(K) Elbow (90°)				
	20mm	each	7	17	118.78
	25mm	each	7	33	229.63
	(Q) Ball Valve				
	20mm	each	2	172	343.88
	25mm	each	2	270	540.71
27	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm	each	1.00	4284.99	4,284.99
28	Supplying, fitting and fixing pillar cock of approved make. f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar	each	6.00	1196.81	7,180.86
29	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	each	2.00	627.82	1,255.63
30	"Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece				
	100 mm	metre	20.00	1282.78	25,655.62
	65 mm	metre	25.00	677.59	16,939.72
				Total (A)	19,30,519.53
				Say	19,30,520.00
	Rupees Ninety Lakh thirty thousand five hundred twenty.				

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Suri SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
1	Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:18681983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film. Natural white. for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm (unit wt of Top, bottom & side member @1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) @ 5.7 Kg per Sq.M]	1189	Kg	391.00	464899.00
2	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:18681983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stopper, handle, tower bolt and locking arrangement etc) 10-12 Micron thickness Anodizing film Natural white (unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.) [Note : for estimate purpose construction wing may consider weight of Aluminium door @ 9.0 Kg per Sq.M]	354	Kg	385.00	136290.00
3	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping)(B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 1990. a) Exterior grade 12mm thick (2nd Floor)	120	Sq.M	1045.00	125400.00
4	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. vii) 8mm thick clear glass.	35	Sq.M	907.00	31745.00
5	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws(vi) 200mm long x 10mm dia. bolt.	28	Each	78.00	2184.00
6	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.(i) 250mm x 19mm dia bolt.	18	Each	287.00	5166.00
7	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws:(vi) 125 x 63 x 3.2mm.	140	Each	77.00	10780.00
8	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod) (vii) 150 mm grip x 12 mm dia rod	40	Each	111.00	4440.00
9	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	10	Each	1665.00	16650.00
10	Iron socket bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt.	24	Each	40.00	960.00
11	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. at 2nd Floor	170.25	Cu.M	547.00	93126.75

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Suri SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
12	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	14.78	Cu.M	166.00	2453.48
13	Cutting chase upto 125 x 150 mm. and subsequent mending of damages. (a) in brick wall [Cement-3.6 Kg/Mtr]	12	Mtr	86.00	1032.00
14	Cutting holes and subsequent mending good damages. (a) Diameter upto 150 mm				0.00
	(i) In brick work [Cement-4.0 Kg/Mtr]	2	Mtr	103.00	206.00
	(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]	0.45	Mtr	131.00	58.95
15	Brick work with 1st class bricks in cement mortar (1:4)	24.23	Cu.M	6075.00	147197.25
16	b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required).	5.98	Sq.M	257.00	1536.86
17	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement) Note : Payment on volume of (1 : 1½ : 3) Concrete.	0.492	Cu.M	4403.00	2166.28
18	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes	2.048	Cu.M	4054.00	8302.59
19	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed.	14.74	Sq.M	106.00	1562.44
20	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge. 2nd Floor Attached Toilet-- Inside wall	100.24	Sq.M	1060.00	106254.40
21	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m) Other than Coloured decorative including white.	143.95	Sq.M	1026.00	147692.70
22	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (iii) With 1:3 cement mortar 15 mm thick plaster	45	Sq.M	170.00	7650.00
23	A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (iv) Two coats (with any shade except white) For Seamless Gypsum	188.75	Sq.M	81	15288.75
24	(g) Supplying ,fitting & fixing Eco-friendly, Heat Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with i) 12.5mm thick thick tapered edged Gypsum Plaster Board at 2nd Floor Toilet at 2nd Floor (for closing visible Soil pipe)	45.22	Sq.M	409.00	18494.98

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Suri SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
25	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRC value > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.a) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U1520).a) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U1520). at 1st Floor (For Closing the visible Soil pipe)	36.5	Sq.M	1357.00	49530.50
26	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks,C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia-, C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C" P. nut 32 mm dia", 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including rending good a1l damages and painting the brackets with two coats of approved paint. [ii] 550 mnt X 400 mm size	8	Nos	2208.00	17664.00
26	Supplying, fitting and fixing PVC pipes of approved make of Schedule B0 [n.reduin.r duty] conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nippie, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. [Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately] [a]				
	PVC Pipes (Dia)- 15mm	95	Mtr	101.00	9595.00
	PVC Pipes (Dia)- 20 mm	85	Mtr	129.00	10965.00
	PVC Pipes (Dia)- 25mm	104	Mtr	177.00	18408.00
	PVC Pipes (Dia)- 32 mm	75	Mtr	236.00	17700.00
	PVC Pipes (Dia)- 40mm	90	Mtr	292.00	26280.00
26	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed.	145	Sq.M	13.00	1885.00
27	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRC value > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.	145	Sq.M	1357.00	196765.00

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Suri SSH building in the district of Birbhum.

BOQ

Sl. No.	Description of Items	Qty.	Unit	Rate	Amount
28	M.F. suspended ceiling made with 12.5 mm thick Gypsum plaster board including G.I. perimeter channel of 0.55 mm flush (having two flanges 20 mm and 30 mm respectively and web 27 mm) along with perimeter of ceiling with G.I. intermediate channel of 0.9 mm thick size 45 mmx15mm placed at 750 mm c/c with G.I. ceiling angle of size 25 mmx10mmx0.55 mm thick fixed to the ceiling with G.I. Cleat and steel expansion fastener ceiling section 0.55 mm thick of size 51.50 mmx26mm fixed to the intermediate channels with the help of connecting clip and in the direction of perpendicular to the intermediate channel of 300 mm c/c 12.5 mm thick Gypsum plastered board are to be fixed under ceiling section as above by machine screws. The boards are to be joined and finished with jointing compound, paper tape and application of top coat etc. as per the direction of Engineer-in-charge. (The rate includes of cost of all materials including taxes, cost of accessories, fittings and fixtures, scaffolding and labour charges etc. complete) In 2nd Floor	145	Sq.M	1159.00	168055.00
29	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats	165	Sq.M	70.00	11550.00
27	Cutting hole through wall, roof or cornice and mending good ail damages.	10	Each	68.00	680.00
28	[d] (i) Chromium plated angular Stop Cock with wall flange [Equivalent] to Code No. 5053 & Model - Florentine of Jaquar or similar brandl.	10	Each	815.00	8150.00
29	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick With silvering as pel I.S.I. specifications supported on fibre glass frame of any colour [frame size 550 rum X 400mm]	10	Each	613.00	6130.00
30	Supplying, fitting and fixing towel rail with two brackets.(al C.P. over brass [i] 25 mm dia. and 450 mm long	10	Each	384.00	3840.00
31	Supplying, fitting and fixing liquid soap container.[a] Cromium plated.	10	Each	393.00	3930.00
32	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.(iil 50 mm	10	Each	254.00	2540.00
33	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.[b] With 'S' trap	10	Each	1512.00	15120.00
34	Supplying, fitting and fixiuq Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. [a.] E.W.C. iv) Bestolite solid type) white	10	Each	715.00	7150.00
35	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i] Polythene Flush Pipe	10	Each	155.00	1550.00
36	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to LS. specification with P.V-C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	10	Each	1015.00	10150.00
37	Supplying,fitting and fixing approved brand P.V.C. CONNETITOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mrn dia. [iii] 600mm long	10	Each	107.00	1070.00
38	Supplying, fitting and fixing shower of approved brand and make.[i] Hand Shower(Health Faucet with 1 mtr Flexible Tube with Wall Hook Equivalent to Code No.573 & Model - ALLIED of jaquar or similarly.	10	Each	1151.00	11510.00
39	Supplying, fitting and fixing pillar cock of approved make. (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. [Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand]	10	Each	1269.00	12690.00
TOTAL (A)					1964444.93
Round off					1964445
Total Including GST@12%					2200178.4
Total Including Cess@1%					2222180.184
Total Say					2222180
Total Amount (Twenty Two Lakhs twenty two thousand one hundred eighty only)					

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
1	Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film. Natural white.a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm.(unit wt of Top, bottom & side member @1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) @5.7Kg/Sq.M	1355.346	kg	₹ 391.00	₹ 529,940.29
2	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc),10-12 Micron thickness Anodizing film. Natural white (unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.) @9Kg/Sq.M	340.200	kg	₹ 385.00	₹ 130,977.00
3	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in -Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) (B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 -1990. (ii) Both side decorative laminate a) Exterior grade -12mm thick	203.310	Sq.M.	₹ 1,348.00	₹ 274,061.88
		7.920	Sq.M.	₹ 1,334.00	₹ 10,565.28
		68.050	Sq.M.	₹ 907.00	₹ 61,721.35
4	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. viii) 8mm thick coloured / tinted / smoke glass.	68.050	Sq.M.	₹ 907.00	₹ 61,721.35
5	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (vi) 200mm long x 10mm dia. Bolt	32.000	Each	₹ 78.00	₹ 2,496.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
6	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.(ii) 250mm x 19mm dia. bolt.	16.000	Each	₹ 287.00	₹ 4,592.00
7	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws: (vi) 125 x 63 x 3.2mm.	128.000	Each	₹ 77.00	₹ 9,856.00
8	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod) (vii) 150 mm grip x 12 mm dia rod.	32.000	Each	₹ 111.00	₹ 3,552.00
9	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	12.000	Each	₹ 1,665.00	₹ 19,980.00
10	Iron socket bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt.	24.000	Each	₹ 40.00	₹ 960.00
11	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.	7.518	Cu. M	₹ 647.00	₹ 4,864.39
12	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal /Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	7.518	Cu. M	₹ 166.00	₹ 1,248.05
13	Cutting chase upto 125 x 150 mm. and subsequent mending of damages	12.000	Mtr.	₹ 86.00	₹ 1,032.00
14	Cutting holes and subsequent mending good damages. (a) Diameter upto 150 mm.				
	(i) In brick work [Cement-4.0 Kg/Mtr]	2.000	Mtr.	₹ 104.00	₹ 208.00
	(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]	0.600	Mtr.	₹ 131.00	₹ 78.60
15	Brick work with 1st class bricks in cement mortar (1:4) (b) In superstructure	2.651	Cu. M	₹ 6,075.00	₹ 16,106.34
16	(b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	6.825	Sq.M.	₹ 257.00	₹ 1,754.03
17	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement)	0.512	Cu. M	₹ 4,403.00	₹ 2,253.79
18	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.	0.512	Cu. M	₹ 4,320.00	₹ 2,211.30
19	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed	14.400	Sq.M.	₹ 106.00	₹ 1,526.40

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
20	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge.	92.730	Sq.M.	₹ 1,108.00	₹ 102,744.84
21	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall, With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m (ii) Other than Coloured decorative including white	184.800	Sq.M.	₹ 1,032.00	₹ 190,713.60
22	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary.[Excluding cost of chipping over concrete surface] (iii) With 1:3 cement mortar (b) 15 mm thick plaster	23.940	Sq.M.	₹ 181.00	₹ 4,333.14
23	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (iv) Two coats (with any shade except white)	162.405	Sq.M.	₹ 81.00	₹ 13,154.81
24	(f) Supplying ,fitting & fixing Eco-friendly,Moisture Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with (ii) 12.5mm thick tapered edged Gypsum Plaster Board	45.225	Sq.M.	₹ 409.00	₹ 18,497.03
25	Providing and fixing of 15mm thick Mineral Fibre Acoustic Ceiling Tiles of approved pattern and size 595mm X 595mm should be placed in the Grid module to form a False Ceiling with NRC value 0.6 Material class: A2-s1, d0 as per EN 13501-1, Fire: REI – REI120 as per EN 13501- 2, Surface Burning Characteristics: Class 1 or A as per ASTM E 84) with powder coated exposed G.I. grid suspension system (interlocking T-Grid, having load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins/ soffit. All complete as per the drawing & directions of Engineer-in-charge. a) With 15 mm thick mineral fibre false ceiling tile (NRC 0.6 as per ASTM C 423 & Sound attenuation - 34dB as per EN ISO 10848)	38.400	Sq.M.	₹ 1,399.00	₹ 53,721.60
26	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).(a) 1st class Best Indian teak	0.212	Cu. M	₹ 129,256.00	₹ 27,402.27

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
27	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm	8.400	Sq.M.	₹ 2,968.00	₹ 24,931.20
28	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately)				
	(a) For Exposed Work				
	PVC Pipes (Dia)- 15mm	70.000	metre	₹ 101.00	₹ 7,070.00
	PVC Pipes (Dia)- 20mm	70.000	metre	₹ 129.00	₹ 9,030.00
	PVC Pipes (Dia)- 25mm	84.000	metre	₹ 177.00	₹ 14,868.00
	PVC Pipes (Dia)- 32mm	56.000	metre	₹ 236.00	₹ 13,216.00
	PVC Pipes (Dia)- 40mm	70.000	metre	₹ 292.00	₹ 20,440.00
	PVC Pipes (Dia)- 50mm	112.000	metre	₹ 384.00	₹ 43,008.00
	PVC Pipes (Dia)- 150mm	144.000	metre	₹ 1,824.00	₹ 262,656.00
	(b) For Concealed Work				
	PVC Pipes (Dia)- 15mm	72.000	metre	₹ 137.00	₹ 9,864.00
PVC Pipes (Dia)- 20mm	72.000	metre	₹ 158.00	₹ 11,376.00	
PVC Pipes (Dia)- 25mm	72.000	metre	₹ 205.00	₹ 14,760.00	
29	Cutting hole through wall, roof or cornice and mending good all damages.	18.000	Each	₹ 68.00	₹ 1,224.00
30	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	8.000	Each	₹ 2,208.00	₹ 17,664.00
31	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	8.000	Each	₹ 815.00	₹ 6,520.00
32	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	8.000	Each	₹ 613.00	₹ 4,904.00
33	Supplying, fitting and fixing towel rail with two brackets.(a) C.P. over brass (i) 25 mm dia. and 450 mm long	8.000	Each	₹ 384.00	₹ 3,072.00
34	Supplying, fitting and fixing liquid soap container.(a) Cromium plated.	8.000	Each	₹ 393.00	₹ 3,144.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Jhargram SSH building in the district of Jhargram					
BOQ					
SI No	Description of Items	Total Quantity	Unit	Rate	Amount
35	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.(ii) 50 mm	8.000	Each	₹ 254.00	₹ 2,032.00
36	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.(b) With 'S' trap	8.000	Each	₹ 1,512.00	₹ 12,096.00
37	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (a) E.W.C. iv Bestolite (solid type) white	8.000	Each	₹ 715.00	₹ 5,720.00
38	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe	8.000	Each	₹ 155.00	₹ 1,240.00
39	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	8.000	Each	₹ 1,015.00	₹ 8,120.00
40	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	8.000	Each	₹ 107.00	₹ 856.00
41	Supplying, fitting and fixing shower of approved brand and make.(f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	8.000	Each	₹ 1,251.00	₹ 10,008.00
42	Supplying, fitting and fixing pillar cock of approved make. f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand)	8.000	Each	₹ 1,269.00	₹ 10,152.00
					₹ 2,008,523.17

ABSTRACT OF COST ESTIMATE	
(As per annexure-'X', Page- X2 of PWD SOR 2017 BUILDING WORKS (VOLUME – I), Govt. of West Bengal)	
Description	Amount (Rs.)
Cost for Building Works	₹ 2,008,523.17
GST, as applicable on Sl. No.- 1 (GST 12%)	₹ 241,022.78
Cost of Civil Works excluding labour welfare cess (1+2)	₹ 2,249,545.95
Labour welfare cess @1% on Sl. No.3	₹ 22,495.46
Total Cost of Civil Work = (1+2+3+4)	₹ 2,272,041.41
say	₹ 2,272,042.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
1	Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film. Natural white.a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm.(unit wt of Top, bottom & side member @1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) @5.7Kg/Sq.M	868.766	kg	₹ 391.00	₹ 339,687.31
2	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc),10-12 Micron thickness Anodizing film. Natural white (unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.)@9Kg/Sq.M	340.200	kg	₹ 385.00	₹ 130,977.00
3	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in -Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) (B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 -1990. (ii) Both side decorative laminate a) Exterior grade -12mm thick	207.815	Sq.M.	₹ 1,320.00	₹ 274,315.80
4	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. viii) 8mm thick coloured / tinted / smoke glass.	53.250	Sq.M.	₹ 907.00	₹ 48,297.75
5	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (vi) 200mm long x 10mm dia. Bolt	28.000	Each	₹ 78.00	₹ 2,184.00
6	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.(ii) 250mm x 19mm dia. bolt.	14.000	Each	₹ 287.00	₹ 4,018.00
7	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws: (vi) 125 x 63 x 3.2mm.	112.000	Each	₹ 77.00	₹ 8,624.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount	
8	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod) (vii) 150 mm grip x 12 mm dia rod.	28.000	Each	₹ 111.00	₹ 3,108.00	
9	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	12.000	Each	₹ 1,665.00	₹ 19,980.00	
10	Iron socket bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt.	24.000	Each	₹ 40.00	₹ 960.00	
11	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.	21.350	Cu. M	₹ 547.00	₹ 11,678.59	
12	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal /Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	21.350	Cu. M	₹ 166.00	₹ 3,544.14	
13	Cutting chase upto 125 x 150 mm. and subsequent mending of damages	12.000	Mtr.	₹ 86.00	₹ 1,032.00	
14	Cutting holes and subsequent mending good damages. (a) Diameter upto 150 mm.					
	(i) In brick work [Cement-4.0 Kg/Mtr]		2.000	Mtr.	₹ 104.00	₹ 208.00
	(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]		0.600	Mtr.	₹ 131.00	₹ 78.60
15	Brick work with 1st class bricks in cement mortar (1:4) (b) In superstructure at 2nd Floor	34.703	Cu. M	₹ 5,853.00	₹ 203,113.73	
16	(b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	6.825	Sq.M.	₹ 257.00	₹ 1,754.03	
17	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement)	0.512	Cu. M	₹ 4,403.00	₹ 2,253.79	
18	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.	0.512	Cu. M	₹ 4,320.00	₹ 2,211.30	
19	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed	14.400	Sq.M.	₹ 106.00	₹ 1,526.40	

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
20	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge.	68.010	Sq.M.	₹ 1,084.00	₹ 73,722.84
21	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall, With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m (ii) Other than Coloured decorative including white	280.430	Sq.M.	₹ 1,032.00	₹ 289,403.76
22	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary.[Excluding cost of chipping over concrete surface] (iii) With 1:3 cement mortar (b) 15 mm thick plaster	111.420	Sq.M.	₹ 173.00	₹ 19,275.66
23	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (iv) Two coats (with any shade except white)	156.645	Sq.M.	₹ 81.00	₹ 12,688.25
24	(f) Supplying ,fitting & fixing Eco-friendly,Moisture Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with (ii) 12.5mm thick tapered edged Gypsum Plaster Board	45.225	Sq.M.	₹ 409.00	₹ 18,497.03

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
25	Providing and fixing of 15mm thick Mineral Fibre Acoustic Ceiling Tiles of approved pattern and size 595mm X 595mm should be placed in the Grid module to form a False Ceiling with NRC value Material class: A2-s1, d0 as per EN 13501-1, Fire: REI – REI120 as per EN 13501- 2, Surface Burning Characteristics: Class 1 or A as per ASTM E 84) with powder coated exposed G.I. grid suspension system (interlocking T-Grid, having load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins/ soffit. All complete as per the drawing & directions of Engineer-in-charge. a) With 15 mm thick mineral fibre false ceiling tile (NRC 0.6 as per ASTM C 423 & Sound attenuation - 34dB as per EN ISO 10848)	38.400	Sq.M.	₹ 1,371.00	₹ 52,646.40
26	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals).(a) 1st class Best Indian teak	0.212	Cu. M	₹ 128,856.00	₹ 27,317.47
27	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm	8.400	Sq.M.	₹ 2,968.00	₹ 24,931.20
28	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. Payment for painting will be made seperately)				
	(a) For Exposed Work				
	PVC Pipes (Dia)- 15mm	98.000	metre	₹ 101.00	₹ 9,898.00
	PVC Pipes (Dia)- 20mm	98.000	metre	₹ 129.00	₹ 12,642.00
	PVC Pipes (Dia)- 25mm	84.000	metre	₹ 177.00	₹ 14,868.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
	PVC Pipes (Dia)- 32mm	70.000	metre	₹ 236.00	₹ 16,520.00
	PVC Pipes (Dia)- 40mm	70.000	metre	₹ 292.00	₹ 20,440.00
	PVC Pipes (Dia)- 50mm	112.000	metre	₹ 384.00	₹ 43,008.00
	PVC Pipes (Dia)- 150mm	144.000	metre	₹ 1,824.00	₹ 262,656.00
	(b) For Concealed Work				
	PVC Pipes (Dia)- 15mm	72.000	metre	₹ 137.00	₹ 9,864.00
	PVC Pipes (Dia)- 20mm	72.000	metre	₹ 158.00	₹ 11,376.00
	PVC Pipes (Dia)- 25mm	72.000	metre	₹ 205.00	₹ 14,760.00
29	Cutting hole through wall, roof or cornice and mending good all damages.	18.000	Each	₹ 68.00	₹ 1,224.00
30	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks,C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	6.000	Each	₹ 2,208.00	₹ 13,248.00
31	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	6.000	Each	₹ 815.00	₹ 4,890.00
32	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	6.000	Each	₹ 613.00	₹ 3,678.00
33	Supplying, fitting and fixing towel rail with two brackets.(a) C.P. over brass (i) 25 mm dia. and 450 mm long	6.000	Each	₹ 384.00	₹ 2,304.00
34	Supplying, fitting and fixing liquid soap container.(a) Cromium plated.	6.000	Each	₹ 393.00	₹ 2,358.00
35	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.(ii) 50 mm	6.000	Each	₹ 254.00	₹ 1,524.00
36	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.(b) With 'S' trap	6.000	Each	₹ 1,512.00	₹ 9,072.00
37	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (a) E.W.C. iv) Bestolite (solid type) white	6.000	Each	₹ 715.00	₹ 4,290.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Gopiballavpur SSH building in the district of Jhargram.

BOQ

SI No	Description of Items	Total Quantity	Unit	Rate	Amount
38	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe	6.000	Each	₹ 155.00	₹ 930.00
39	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	6.000	Each	₹ 1,015.00	₹ 6,090.00
40	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	6.000	Each	₹ 107.00	₹ 642.00
41	Supplying, fitting and fixing shower of approved brand and make.(f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	6.000	Each	₹ 1,251.00	₹ 7,506.00
42	Supplying, fitting and fixing pillar cock of approved make. f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand)	6.000	Each	₹ 1,269.00	₹ 7,614.00
					₹ 2,059,437.03

ABSTRACT OF COST ESTIMATE

(As per annexure-'X', Page- X2 of PWD SOR 2017 BUILDING WORKS (VOLUME – I), Govt. of West Bengal)

Description	Amount (Rs.)
Cost for Building Works	₹ 2,059,437.03
GST, as applicable on SI. No.- 1 (GST 12%)	₹ 247,132.44
Cost of Civil Works excluding labour welfare cess (1+2)	₹ 2,306,569.48
Labour welfare cess @1% on SI. No.3	₹ 23,065.69
Total Cost of Civil Work = (1+2+3+4)	₹ 2,329,635.17
SAY	₹ 2,329,635.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram

BOQ

SI No	Reference	Description of Items	Total Quantity	Unit	Rate	Amount
1	Page No.246/ Item No.17	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Annodizing film. Natural white.a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm.(unit wt of Top, bottom & side member @1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) @5.7Kg/Sq.M	777.708	kg	₹ 391.00	₹ 3,04,083.83
2	Page No. 246/ Item No.16	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangment etc),10-12 Micron thickness Annodizing film. Natural white (unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.) @9Kg/Sq.M	340.200	kg	₹ 385.00	₹ 1,30,977.00
3	Page No. 172/ Item No.1	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in -Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) (B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 -1990. (ii) Both side decorative laminate a) Exterior grade -12mm thick	131.310	Sq.M.	₹ 1,334.00	₹ 1,75,167.54
4	Page No.243/ Item No.9	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. viii) 8mm thick coloured / tinted / smoke glass.	46.500	Sq.M.	₹ 907.00	₹ 42,175.50
5	Page No. 144/ Item No. 26	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (vi) 200mm long x 10mm dia. Bolt	32.000	Each	₹ 78.00	₹ 2,496.00
6	Page No. 145/ Item No. 28	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.(ii) 250mm x 19mm dia. bolt.	16.000	Each	₹ 287.00	₹ 4,592.00
7	Page No. 145/ Item No. 29	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws: (vi) 125 x 63 x 3.2mm.	128.000	Each	₹ 77.00	₹ 9,856.00
8	Page No.145/ Item No.30	Anodised aliminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod) (vii) 150 mm grip x 12 mm dia rod.	32.000	Each	₹ 111.00	₹ 3,552.00
9	Page No.143/ Item No.23	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	12.000	Each	₹ 1,665.00	₹ 19,980.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram

BOQ

SI No	Reference	Description of Items	Total Quantity	Unit	Rate	Amount
10	Page No.141/ Item No.8	Iron socket bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt.	24.000	Each	₹ 40.00	₹ 960.00
11	Page No. 10/ Item No. 1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.	22.475	Cu. M	₹ 597.00	₹ 13,417.72
12	Page No. 12/ Item No. 13	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal /Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	22.475	Cu. M	₹ 166.00	₹ 3,730.89
13	Page No. 12/ Item No. 11	Cutting chase upto 125 x 150 mm. and subsequent mending of damages	12.000	Mtr.	₹ 86.00	₹ 1,032.00
14	Page No. 12/ Item No. 12	Cutting holes and subsequent mending good damages. (a) Diameter upto 150 mm.				
		(i) In brick work [Cement-4.0 Kg/Mtr]	2.000	Mtr.	₹ 104.00	₹ 208.00
		(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]	0.600	Mtr.	₹ 131.00	₹ 78.60
15	Page No. 15/ Item No. 7(a)	Brick work with 1st class bricks in cement mortar (1:4) (b) In superstructure	34.208	Cu. M	₹ 5,964.00	₹ 2,04,013.53
16	Page No. 45/ Item No. 8(b)	(b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	6.825	Sq.M.	₹ 257.00	₹ 1,754.03
17	Page No. 46/ Item No. 10	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement)	0.512	Cu. M	₹ 4,403.00	₹ 2,253.79
18	Page No. 26/ Item No. 10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.	0.512	Cu. M	₹ 4,320.00	₹ 2,211.30
19	Page No. 77/ Item No. 9	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed	14.400	Sq.M.	₹ 106.00	₹ 1,526.40
20	Page No. 68/ Item No. 39	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge.	146.490	Sq.M.	₹ 1,096.00	₹ 1,60,553.04
21	Page No. 64/ Item No. 35	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall, With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @0.20kg/Sq.m. (b) Area of each tile above 0.09 Sq.m (ii) Other than Coloured decorative including white	395.610	Sq.M.	₹ 1,032.00	₹ 4,08,269.52

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram

BOQ

SI No	Reference	Description of Items	Total Quantity	Unit	Rate	Amount
22	Page No. 189/ Item No. 1 Corrigenda-3	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary.[Excluding cost of chipping over concrete surface] (iii) With 1:3 cement mortar (b) 15 mm thick plaster	115.740	Sq.M.	₹ 177.00	₹ 20,485.98
23	Page No. 200/ Item No. 2A	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (iv) Two coats (with any shade except white)	160.965	Sq.M.	₹ 81.00	₹ 13,038.17
24	Page No. 171/ Item No. 23 B	(f) Supplying ,fitting & fixing Eco-friendly,Moisture Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with (ii) 12.5mm thick tapered edged Gypsum Plaster Board	45.225	Sq.M.	₹ 409.00	₹ 18,497.03
25	Page No. 162/ Item No.6 (a)	Providing and fixing of 15mm thick Mineral Fibre Acoustic Ceiling Tiles of approved pattern and size 595mm X 595mm should be placed in the Grid module to form a False Ceiling with NRC value ≥ 0.6 Material class: A2-s1, d0 as per EN 13501-1, Fire: REI – REI120 as per EN 13501- 2, Surface Burning Characteristics: Class 1 or A as per ASTM E 84) with powder coated exposed G.I. grid suspension system (interlocking T-Grid, having load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins/ soffit. All complete as per the drawing & directions of Engineer-in-charge. a) With 15 mm thick mineral fibre false ceiling tile (NRC ≥ 0.6 as per ASTM C 423 & Sound attenuation - 34dB as per EN ISO 10848)	38.400	Sq.M.	₹ 1,385.00	₹ 53,184.00
26	Page No. 114/ Item No. 1(a)	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).(a) 1st class Best Indian teak	0.212	Cu. M	₹ 1,29,056.00	₹ 27,359.87
27	Page No. 117/ Item No. 1	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm (ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm	8.400	Sq.M.	₹ 2,968.00	₹ 24,931.20
	Page No.12/ Item No.19 (I)	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTMD - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories,specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads,fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. Payment for painting will be made seperately) (a) For Exposed Work (a) For Exposed Work				

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram

BOQ

SI No	Reference	Description of Items	Total Quantity	Unit	Rate	Amount
28		PVC Pipes (Dia)- 15mm	84.000	metre	₹ 101.00	₹ 8,484.00
		PVC Pipes (Dia)- 20mm	84.000	metre	₹ 129.00	₹ 10,836.00
		PVC Pipes (Dia)- 25mm	56.000	metre	₹ 177.00	₹ 9,912.00
		PVC Pipes (Dia)- 32mm	70.000	metre	₹ 236.00	₹ 16,520.00
		PVC Pipes (Dia)- 40mm	56.000	metre	₹ 292.00	₹ 16,352.00
		PVC Pipes (Dia)- 50mm	84.000	metre	₹ 384.00	₹ 32,256.00
		PVC Pipes (Dia)- 150mm	144.000	metre	₹ 1,824.00	₹ 2,62,656.00
		(b) For Concealed Work				
		PVC Pipes (Dia)- 15mm	72.000	metre	₹ 137.00	₹ 9,864.00
		PVC Pipes (Dia)- 20mm	72.000	metre	₹ 158.00	₹ 11,376.00
	PVC Pipes (Dia)- 25mm	72.000	metre	₹ 205.00	₹ 14,760.00	
29	Page No. 97/ Item No. 0	Cutting hole through wall, roof or cornice and mending good all damages.	18.000	Each	₹ 68.00	₹ 1,224.00
30	Page No. 41/ Item No. 2	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	6.000	Each	₹ 2,208.00	₹ 13,248.00
31	Page No. 6/ Item No. 7	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	6.000	Each	₹ 815.00	₹ 4,890.00
32	Page No.82/ Item No. 19	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	6.000	Each	₹ 613.00	₹ 3,678.00
33	Page No. 82/ Item No. 20	Supplying, fitting and fixing towel rail with two brackets.(a) C.P. over brass (i) 25 mm dia. and 450 mm long	6.000	Each	₹ 384.00	₹ 2,304.00
34	Page No. 82/ Item No. 21	Supplying, fitting and fixing liquid soap container.(a) Cromium plated.	6.000	Each	₹ 393.00	₹ 2,358.00
35	Page No. 46/ Item No. 22	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.(ii) 50 mm	6.000	Each	₹ 254.00	₹ 1,524.00
36	Page No. 79/ Item No. 2	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.(b) With 'S' trap	6.000	Each	₹ 1,512.00	₹ 9,072.00
37	Page No. 81/ Item No. 10	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (a) E.W.C. iv) Bestolite (solid type) white	6.000	Each	₹ 715.00	₹ 4,290.00
38	Page No. 81/ Item No. 11	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe	6.000	Each	₹ 155.00	₹ 930.00

Repair and Renovation to establish proposed 24 bed Hybrid CCU at 3rd floor of Nayagram SSH building in the district of Jhargram

BOQ

SI No	Reference	Description of Items	Total Quantity	Unit	Rate	Amount
39	Page No. 36/ Item No. 2	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	6.000	Each	₹ 1,015.00	₹ 6,090.00
40	Page No. 43/ Item No. 9	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	6.000	Each	₹ 107.00	₹ 642.00
41	Page No. 4/ Item No. 3(f)	Supplying, fitting and fixing shower of approved brand and make. (f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	6.000	Each	₹ 1,251.00	₹ 7,506.00
42	Page No. 45/ Item No. 19(f)	Supplying, fitting and fixing pillar cock of approved make. f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand)	6.000	Each	₹ 1,269.00	₹ 7,614.00
						₹ 21,08,770.93

ABSTRACT OF COST ESTIMATE

(As per annexure-'X', Page- X2 of PWD SOR 2017 BUILDING WORKS (VOLUME – I), Govt. of West Bengal)

SI.No	Description	Amount (Rs.)
1	Cost for Building Works	₹ 21,08,770.93
2	GST, as applicable on SI. No.- 1 (GST 12%)	₹ 2,53,052.51
3	Cost of Civil Works excluding labour welfare cess (1+2)	₹ 23,61,823.44
4	Labour welfare cess @1% on SI. No.3	₹ 23,618.23
7	Total Cost of Civil Work (Amount including 4% administrative charge of WBMSCL and 3% contingency) = (3+4+5+6)	₹ 23,85,441.67
	say	₹ 23,85,442.00

**Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of
Salboni SSH in the district of Paschim Medinipur**

B.O.Q

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
CIVIL WORK					
1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 4th floor	CuM	7	613.65	4,295.55
2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 4th floor	CuM	19	1175.32	22,331.08
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars. all Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 4th floor	CuM	2.85	2325.75	6,628.39
4	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed. In 4th floor	Sqm	396	14.71	5,825.16
5	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	CuM	28.85	187.78	5,417.45
6	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.				
	(i) Pakur Variety (4th floor)	CuM	1	6553.04	6,553.04
7	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (in 4th floor) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	Sqm	12	485.28	5,823.36
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. In 4th floor (i) Tor steel/Mild Steel I. SAIL/ TATA/RINL	MT	0.25	61803.1	15,450.78
9	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film.				
	b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm (unit wt of Top, bottom & side member @ 1.978; intermediate member @ 2.055; glazing clip @ 0.167 kg/m respectively)[Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.0 Kg per Sq.M] In 4th floor	Kg.	1385	442.30	612,585.50
10	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) In 4th floor				
	(ii) Both side decorative laminate				
	(a) Exterior grade				
	12mm thick	Sq.M.	210.00	1461.51	306,917.10

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
11	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 1285-1975; Anodized (with required film thickness and specified colour/ natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding and casement window, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work).				
	(A) In 10-12 Micron thickness Anodizing film				
	l) Natural white				
	k) Movable door shutter.				
	i) Door frame. (Top & sides).	Metre	85.00	356.33	30,288.05
	ii) Shutter :				
	a) Top rail	Metre	20.00	343.88	6,877.60
	b) Bottom rail	Metre	20.00	506.78	10,135.60
c) Lock rail	Metre	20.00	381.21	7,624.20	
d) Door vertical	Metre	65.00	375.56	24,411.40	
e) Glazing clip.	Metre	296.00	56.56	16,741.76	
12	Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:- (B) Partly glazed partly panelled or fully glazed single leaf aluminium swing/sliding door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor spring placed in the floor with mending damages, with top pin assembly of approved make and brand, fitted with in built locking arrangement, flush bolt, glazing clips and all other necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.	Sqm	48	1449.07	69,555.36
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, panel boards neoprene / EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor spring is not used. 10% enhancement of rate is to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall. 5% rate enhancement may be allowed for double leaf swing door. Payment shall be made for the shutter area only except where door frame is fixed the entire opening shall be taken to consideration. Payment for door frame sections are to be paid separately)				
13	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP). a) 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating)	Sqm.	20.00	2252.22	45,044.40
14	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. (iii) 5mm thick clear glass	Sqm.	18.00	595.01	10,710.18
15	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. (iv) 5mm thick coloured / tinted / smoke glass.	Sqm	7	661.75	4,632.25
16	Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge. i) 150 mm.	Each	15	427.59	6,413.85
17	Godrej Hydraulic door closer fitted and fixed complete. (a) Heavy type	Each	20	2334.8	46,696.00

Sl. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
18	Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White)	Each	30	108.60	3,258.00
19	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm. X 75mm. X 3.50mm (Add Extra 30% for Oxidised Fittings)	Each	45	97.06	4,367.70
20	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (viii) 225mm long x 12mm dia. bolt.	Each	15	128.96	1,934.40
21	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. Weather gasket / wool pile for door vertical.	Metre	35.00	21.49	752.15
22	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. 'U' shaped EPDM gasket for frames.	Metre	270.00	16.97	4,581.90
23	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width. At 4th Floor.	Metre	242	81.45	19,710.90
24	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contrrr)e With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment Light Colour (in 4th floor)	Sqm	26	1453.59	37,793.34
25	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. In 4th Floor. (B) In Wall. With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Area of each tile above 0.09 Sq.m. Coloured decorative Fourth Floor	Sqm	48	1246.58	59,835.84
26	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Floor (Using in Only For Toilet) Area of each tile upto 0.09 Sq.m (Size 300 X 300 mm) Coloured decorative Fourth Floor	Sqm	22	842.74	18,540.28
27	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In 4th floor c) Area of each Granite slab above 1.00 Square meter.	Sqm	6	3928.66	23,571.96

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
28	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]. In 4th floor (ii)With 1:4 cement mortar (b) 15 mm thick plaster	Sqm	202	167.42	33,818.84
29	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand. (1.5 mm thick). In 4th floor	Sqm	152	178	27,056.00
30	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In 4th Floor)				
	(a) One Coat				
	i) Water based interior grade Acrylic Primer	Sqm	814.00	34.84	28,359.76
31	A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	Sqm	814	91.63	74,586.82
32	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 4th floor.	Sqm	65	893.65	58,087.25
33	Washing and cleaning with soap water and rubbing with oil cloth in all types of floor and dado.	Sqm	702	6.79	4,766.58
SUB TOTAL of Civil Work (A) =					1,671,979.78
SANITARY & PLUMBING					
34	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	each	3.00	2497.69	7,493.07
35	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets.				
	(a) Sink only				
	(i) 530 mm X 430 mm x 180 mm	each	2.00	3715.99	7,431.98
36	Supplying, fitting and fixing Waste fittings complete.				
	(a) C.P. over brass				
	(ii) 32 mm	each	2.00	214.93	429.86
37	Supplying,fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iii) 600 mm long	each	5.00	53.17	265.85
38	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	each	5.00	121.04	605.20
39	CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand). Elbow action	each	3.00	1196.81	3,590.43
40	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	each	3.00	921.93	2,765.79

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
41	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials. No separate payment will be made for accessories, specials.) PVC Pipes (Dia) 32 mm	Metre	20.00	282.80	5,656.00
42	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) (a) For exposed work (i) CPVC Pipes Class-1, SDR-11				
	15 mm internal dia	Metre	25.00	119.91	2,997.75
	25 mm internal dia	Metre	15.00	235.29	3,529.35
	32 mm internal dia	Metre	15.00	320.13	4,801.95
43	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 A) (i) Single Socketed 3 Meter Length (a) 75 mm	Metre	18.00	221.72	3,990.96
44	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (D) Solvent Cement 250 ML	Each	5.00	116.51	582.55
45	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer in-charge. (Payment will be made on centre line measurement of the total pipeline including specials.) (A) Above ground (i) 75 mm dia.	Metre	18.00	50.9	916.20
46	f) (i) CP Pillar Cock/ bib cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).	Each	2.00	1196.81	2,393.62
47	(f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No. 573 & Model - ALLIED of Jaquar or similar).	Each	20.00	1415.13	28,302.60
Sub Total of S&P work (B)=					75,753.16
Total (A+B) =					1,747,732.94
Say:					1747733.00
Rupees: Seventeen lakhs forty seven thousand seven hundred thirty three only					

**Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Debra SSH, in
the district of Paschim Medinipur**

B.O.Q

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
CIVIL WORK					
1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 2nd floor	CuM	6	613.65	3,681.90
2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 2nd floor	CuM	18	1175.32	21,155.76
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars. all Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In 2nd floor	CuM	2.5	2325.75	5,814.38
4	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed. In 2nd floor	Sqm	352	14.71	5,177.92
5	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	CuM	26.5	187.78	4,976.17
6	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.				
	(i) Pakur Variety (2nd floor)	CuM	1	6338.11	6,338.11
7	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (in 2nd floor) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	Sqm	14	444.56	6,223.84
8	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. In 2nd floor (i) Tor steel/Mild Steel I. SAIL/ TATA/RINL	MT	0.2	61694.52	12,338.90
9	Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Anodizing film.				
	b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm (unit wt of Top, bottom & side member @ 1.978; intermediate member @ 2.055; glazing clip @ 0.167 kg/m respectively)[Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.0 Kg per Sq.M]	Kg.	1326	442.30	586,489.80
10	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) In 2nd floor				
	(ii) Both side decorative laminate (a) Exterior grade 12mm thick	Sq.M.	196.00	1461.51	286,455.96

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
11	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 1285-1975; Anodized (with required film thickness and specified colour/ natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding and casement window, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work).				
	(A) In 10-12 Micron thickness Anodizing film				
	l) Natural white				
	k) Movable door shutter.				
	i) Door frame. (Top & sides).	Metre	85.00	356.33	30,288.05
	ii) Shutter :				
	a) Top rail	Metre	20.00	343.88	6,877.60
	b) Bottom rail	Metre	20.00	506.78	10,135.60
c) Lock rail	Metre	20.00	381.21	7,624.20	
d) Door vertical	Metre	65.00	375.56	24,411.40	
e) Glazing clip.	Metre	296.00	56.56	16,741.76	
12	Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:-				
	(B) Partly glazed partly panelled or fully glazed single leaf aluminium swing/sliding door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor spring placed in the floor with mending damages, with top pin assembly of approved make and brand, fitted with in built locking arrangement, flush bolt, glazing clips and all other necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.	Sqm	48	1449.07	69,555.36
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, panel boards neoprene / EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor spring is not used. 10% enhancement of rate is to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall. 5% rate enhancement may be allowed for double leaf swing door. Payment shall be made for the shutter area only except where door frame is fixed the entire opening shall be taken to consideration. Payment for door frame sections are to be paid separately)				
13	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP). a) 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating)	Sqm.	21.00	2252.22	47,296.62
14	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. (iii) 5mm thick clear glass	Sqm.	18.00	595.01	10,710.18
15	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. (iv) 5mm thick coloured / tinted / smoke glass.	Sqm	7	661.75	4,632.25
16	Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge. i) 150 mm.	Each	15	427.59	6,413.85
17	Godrej Hydraulic door closer fitted and fixed complete. (a) Heavy type	Each	20	2334.8	46,696.00
18	Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White)	Each	30	108.60	3,258.00
19	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm. X 75mm. X 3.50mm (Add Extra 30% for Oxidised Fittings)	Each	45	97.06	4,367.70
20	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (viii) 225mm long x 12mm dia. bolt.	Each	15	128.96	1,934.40
21	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. Weather gasket / wool pile for door vertical.	Metre	35.00	21.49	752.15

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
22	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. 'U' shaped EPDM gasket for frames.	Metre	270.00	16.97	4,581.90
23	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width. At 2nd Floor.	Metre	247	81.45	20,118.15
24	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment Light Colour (in 2nd floor)	Sqm	35	1426.44	49,925.40
25	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. In 2nd Floor. (B) In Wall. With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Area of each tile above 0.09 Sq.m. Coloured decorative	Sqm	56	1235.27	69,175.12
26	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Floor (Using in Only For Toilet) Area of each tile upto 0.09 Sq.m (Size 300 X 300 mm) Coloured decorative Second Floor	Sqm	62	831.43	51,548.66
27	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In 2nd floor				

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
	c) Area of each Granite slab above 1.00 Square meter.	Sqm	5	3901.51	19,507.55
28	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]. In 2nd floor (ii)With 1:4 cement mortar (b) 15 mm thick plaster	Sqm	196	167.42	32,814.32
29	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand. (1.5 mm thick). In 2nd floor	Sqm	145	178	25,810.00
30	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In 2nd Floor)				
	(a) One Coat				
	i) Water based interior grade Acrylic Primer	Sqm	786.00	34.84	27,384.24
31	A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)	Sqm	786	91.63	72,021.18
32	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 2nd floor.	Sqm	96	866.5	83,184.00
33	Washing and cleaning with soap water and rubbing with oil cloth in all types of floor and dado.	Sqm	735	6.79	4,990.65
SUB TOTAL of Civil Work (A) =					1,691,409.03
SANITARY & PLUMBING					
34	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	each	3.00	2497.69	7,493.07
35	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (i) 530 mm X 430 mm x 180 mm	each	2.00	3715.99	7,431.98
36	Supplying, fitting and fixing Waste fittings complete. (a) C.P. over brass (ii) 32 mm	each	2.00	214.93	429.86
37	Supplying,fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iii) 600 mm long	each	5.00	53.17	265.85
38	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	each	5.00	121.04	605.20
39	CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand). Elbow action	each	3.00	1196.81	3,590.43
40	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	each	3.00	921.93	2,765.79

SL. NO.	DESCRIPTION OF ITEM	UNIT	Qty.	Rate (Rs.)	Amount (Rs.)
41	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials. No separate payment will be made for accessories, specials.) PVC Pipes (Dia) 32 mm	Metre	20.00	282.80	5,656.00
42	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) (a) For exposed work (i) CPVC Pipes Class-1, SDR-11				
	15 mm internal dia	Metre	25.00	119.91	2,997.75
	25 mm internal dia	Metre	15.00	235.29	3,529.35
	32 mm internal dia	Metre	15.00	320.13	4,801.95
43	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 A) (i) Single Socketed 3 Meter Length (a) 75 mm	Metre	18.00	221.72	3,990.96
44	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (D) Solvent Cement 250 ML	Each	5.00	116.51	582.55
45	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer in-charge. (Payment will be made on centre line measurement of the total pipeline including specials.) (A) Above ground (i) 75 mm dia.	Metre	18.00	50.9	916.20
46	(f) (i) CP Pillar Cock/ bib cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).	Each	2.00	1196.81	2,393.62
47	(f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No. 573 & Model - ALLIED of Jaquar or similar).	Each	20.00	1415.13	28,302.60
Sub Total of S&P work (B)=					75,753.16
Total (A+B) =					1,767,162.19
Say:					1,767,162.00
Rupees: Seventeen lakhs sixty seven thousand one hundred sixty two only					

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 4th floor of Gangarampur SSH building in the district of Dakshin Dinajpur

BOQ

Item Number	Description of Item	Quantity	Rate incld. GST & Cess	Unit	Amount Rs.
DISMANTLING WORKS :					
1	Dismantling all type of masonry excepting cement concrete plain of reinforced stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m..				
	(a) In Fourth Floor .				
	Total	44.21	731.8864	Cu.M	₹ 32,357.00
2	Dismantling all type of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed with in a lead of 75 m In ground floor including roof.				
	(a) In Fourth Floor				
	Total	9.75	1288.44	Cu.M	₹ 12,562.00
3	Dismantling R.C.floor, roof,beams etc. including cutting rods and removing rubbish as directed with in a lead of 75 m. including stacking of steel bars.				
	(a) In Fourth Floor				
	Total	2.75	2438.87	Cu.M	₹ 6,707.00
4	Dismantling artificial stone flooring upto 50 mm.thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. .				
	(a) In Fourth Floor				
	Total	106.18	83.71	Sq.M.	₹ 8,888.00
5	Stripping off worn out plaster and raking out joints of walls, celings etc. up to any height and in any floor including removing rubbish with in a lead of 75 m as directed. .				
	MARKED: A			Total Area	365.72
	Considering 40% extra area of MARKED : A for ceiling and all			MAR-KED :B=	
				512.01	21.49
				Sq.M.	₹ 11,004.00
6	Cutting holes and subsequent mending good of damages.				
	(a) Diameter up to 150 mm.				
	(i) In brick work [Cement - 4.0 Kg/Mtr].				
		10	1.00		10.00
	Total	887.73	122.17	Mtr.	₹ 108,453.00

7	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed.							
				Total	619.07	119.91	Sq.M.	₹ 74,231.00
8	Labour for taking out steel door and window frame for repairs and re-fixing the same (or replacement by new one) including mending good damages (excluding the cost of repair of damages) and applying a protective coat of paint. Up to one sq.m. area of frame.							
				Total	35.00	144.79	each	₹ 5,068.00
9	Labour for taking out door and window frame including shutter for repair or replacement of different part of the frame and re-fixing the same including mending good all damages complete. (Concrete and brick work for mending damage will be paid separately).							
	(b) Upto area 2.5 sq.m.							
				Total	29.70	134.61	Sq.M.	₹ 3,998.00
	(b) Above area 2.5 sq.m.							
				Total	28.20	144.79	Sq.M.	₹ 4,083.00
10	Dismantling Orissa pattern W.C. including taking out of base concrete, if necessary, complete.							
				Total	7.00	50.90	each	₹ 356.00
	ORIGINAL WORKS :							
11	Ordinary cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes.							
	(a) Pakur Variety.							
				Total	46.73	6533.16	Cu.M	₹ 305,294.00
12	Ordinary cement concrete (mix 1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant codes.							
	(i) Pakur Variety.							
				Total	10.08	7,110.43	Cu.M	₹ 71,673.00
13	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at inter-section, complete as per drawing and direction.							
	(a) For works in foundation, basement and up to roof of ground floor/up to 4m. Tor steel/Mild steel.							

	SAIL/ TATA/RINL								
	Fourth Floor								
				Total	0.95	70,174.31	M.T.	₹	66,666.00
14	Hire and labour charge for shuttering with centreing and necessary staging up to 4 m. using approved stout props and thick hard wood planks of approved thick ness with required bracing for concrete slabs, beams, columns, lintels curved or staight including fitting fixing and striking out after complection of works. (up to roof of ground floor).								
	(a) 25 mm. to 30 mm. thick wooden shuttering as per decision & direction of the Engineer-in-charge. .								
				Total	78.47	452.48	Sq.M.	₹	35,506.00
15	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.								
				Total	383.19	817.11	Sq.M.	₹	313,109.00
	PWD(WB)/BUILDING WORKS/Page-15/Item-8								
16	Brick work with 1st class bricks in cement mortar (1:6)								
	In Super structure, Fourth Floor.								
				Total	10.34	6,319.88	Cu.M	₹	65,348.00
17	M.S structural work in colums, beams etc. with simple roled structural members (e.g. joints angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineering -in- charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc weldingconforming to IS: 816 - 1956 & IS :1995 using electrodes of approved make and brand conforming to IS: 814 - 1957, haulage, hoisting and erections all complete. the rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour incurance charges etc.(Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for Gusset, bracket, cleat, rivets, bolts and nuts may be make by adding								

	the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5Kg./m. or 15% of weight for finished structural members weighing less than 22.5 kg./m. may be increased to allow for bracket, cleat, revets, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer-In-charge. The rates are considered for a height of erection 8m./ 2nd. floor level from level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part there of.							
	(I) For structural members/built up sections of specified sections weighing less than 22.5kg./m.							
	Fourth Floor							
	Rack support, angle 75x75x8mm for concertina	24	2.70	11.40	738.72			
					Total	0.738	85,620.04	M.T. ₹ 63,188.00
18	(a) M.S. or W.I. ornamental grill of approved design joints continuously welded with M.S., W.I. flats and bars for windows ,railing etc. fitted and fixed with necessary screws and lugs in ground floor. (Add extra @1% for each addl. floor up to 4th floor and @1.25% for each addl. floor above 4th floor).							
	(ii) Grill weighing above 16 kg./sq.m.and above .							
	Fourth Floor							
	Main gate, grill weighing 18kg/m2	2	2.40	2.40	18.00	207.36		
					Total	2.07	8,241.55	M.T. ₹ 17,090.00
19	Labour for Chipping of concrete surface before taking up Plastering work.							
					Total	93.50	23.76	Sq.M ₹ 2,221.00
20	Supplying & laying 3mm thick pre-fabricated plastomericwater proofing membrane conforming to EN 12311-1 &ASTMD 5147, manufactured with atactic poly propylene(APP) modified premium grade asphalt , specially reinforcedwith non-woven polyester core with polyester reinforcement@160 gms per sqm & both faces covered with thermo-fusiblepolyethylene film /Mineral on top face over a coat of primer@ 0.40 lit/sqm of manufacturer's specification onsmooth, clean dry surface prepared wherever required.Lapjoint shall be provided of 75 mm in longitudinal & 100 mm intransverse direction and fused using LPG/ Propane torchemploying extra care ensuring full bondage, completeremoval of entrapped air and sealing edges into grooves in appropriate manner as per direction of Engineer - in-chargeall complete including materials,labour and applicabetaxes. (Payment shall be made on the basis of finishedsurface area.).Membrane Property: Softening Point > 150 deg C, ColdFlexibility < -6 deg C, Tensile Strength, N/cm							

24	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter (top rail, bottom rail, lock rail,door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS:733-1983 and IS: 1285-1975, anodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat,angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-incharge.(Excluding cost of glass/ panel board, door spring/ All hinges, door closer, door stoper,handle, tower bolt and locking arrangementetc)10-12 Micron thickness Anodizing filmNatural white								
					Total	777.60	435.51	Sq.M	₹ 338,654.00
25	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top,bottom and side member, intermediate member , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983and IS: 1285-1975, anodized conforming toIS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete asper architectural drawings and direction of Engineer-in-charge.(Excluding cost of glass/ panel board,10-12 Micron thickness Anodizing film.Natural white.								
	a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90sqm				Total	1185.60	442.30	Kg	₹ 524,390.00
26	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987;(A) clear, toughened glass conforming to IS:2553-1992 (part-II)								
	(ii) 8mm thick				Total	227.20	1,426.44	Sq.M	₹ 324,088.00
27	Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer-in-Charge..								
	(ii) 100 mm.				Total	30.00	239.81	Each	₹ 7,194.00
28	(A) Supplying Aluminium casted body hydraulic door closer as per I.S.I.				Total	30.00	718.31	Each	₹ 21,549.00
29	(B) Supplying 125 mm Dia acrylic handle for aluminium door as per approved make & brand.								

	(a) Natural Colour.									
					Total	60.00	204.75	Set	₹ 12,285.00	
30	(D) Supplying Alluminium casted body hinge (KOBRA type) (Natural white).									
					Total	120.00	63.35	Each	₹ 7,602.00	
31	(i) Door stopper (Brass)									
					Total	30.00	63.35	Each	₹ 1,900.00	
32	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering conners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (ground floor). [Excluding cost of chipping over concrete surface].									
	ii) with 1:4 cement mortar.									
	(c)10 mm. thick plaster.									
					QUANTITY MARKED : D	Total	658.52	161.17	Sq.M	₹ 106,136.00
33	Rendering the Surface of walls and ceiling with White Cement baseWATER PROOF wall putty of approved make & brand.(1.5 mm thick)									
					QUANTITY MARKED : E	Total	147.28	138.01	Sq.M	₹ 20,326.00
34	Applying exterior grade Acrylic primer of approved quality and brand on plaster or concrete surface old or new surface to receive decorative textured (mat finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor:.									
					Total	147.28	5,101.71	%Sq.M.	7,514.00	
35	Protective and decorative Acrylic exterior emulsion paint of approved quality , as per manufacture specification as per direction of EIC to be apply over Acrylic primer as required. the rate included cost of material , labour scaffoldic and all incidental charges but excluding the cost of primer.In ground floor (two coat).									
	(a) Normal Acrylic emulsion.									
	Fourth Floor									
					Total	147.28	75.79	Sq.M	₹ 11,162.00	
36	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.									
					Total	11.52	35.07	Sq.M	₹ 404.00	
37	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand parpering etc. in cluding using of approved putty etc. on the surface , if necessary.									
	(b) On steel or other metal surface:									
	(1) With super gloss (hi-gloss).									

	(iv) Two coats (with any shade except white).							
		M.F. =2.2		Total	25.34	89.36	Sq.M	₹ 2,265.00
38	Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish)made of extruded P.V.C. multichamber hollow section having dimensions 60mm x50mm x 2mm (+/- 0.2mm), horizontal section will be joined with vertical sectionby galvanised steel screws after inserting two number steel brackets asreinforcement making suitable space for placing hinges, one steel tube 40mm x20mm x 1.20 mm will be inserted on one full vertical side of the frame (hinge side)as reinforcement, the frame will then be fixed in the opening with the help ofP.V.C. expandable fastner/wooden gutties and galvanised steel screws includingcost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete.							
				Total	45.00	315.60	Sq.M	₹ 14,202.00
39	PVC Door Shutter-30 mm thick:Supplying fitting and fixing P.V.C. door shutter of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C.multicavity hollow chamber of 59 mm x30 mm section with 2.0 mm (+/-0.2 mm)wall thickness.Horizontal & vertical section shall be fixed to each other by selftapping screws and 1 solid polymeric or M.S. galvanised tubular 'L' shapedbracket 100mm x 200mm in each corner of the shutter frame for placing hinges.Polymer based multicavity hollow section of 120 mm x30mm with 2.0 mm (+/- 0.2mm) wall thickness will be fitted in the middle, reinforced by solid polymer bar of200 mm long at both ends and screws from both sides as lock rail. The sectionframe will then be fitted in by PVC panels of size 100 mmx25 mm with wallthickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia bright rod will beinserted horizontally with both side check and nut system and stretches wherefixing of hinges / hasp bolt / tower bolt /							
	door ring are required to be strongenough to with stand wear and tear. The rate is inclusive of cost of all materials,labour, and hire of tools and plants and appliancesi/c carriage of all materialstaxes and all other incidental charges complete							
				Total	16.80	2,406.06	Each	₹ 40,422.00
40	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S.205/66) and fitted and fixed with cadmium plated screws:.							
	(v) 100 x 63 x 3.2 mm.							
				Total	48.00	81.45	Each	₹ 3,909.00
41	Anodise aluminium barred/tower/socket bolt (full covered) of approved manufactured from extruded section conforming to I.S.204/74 fitted and Fixed with cadmium plated screws:.							

47	I) Supplying, fitting and fixing PVC pipes of approved make of (medium duty) conforming to ASTM-D-1785 and threaded to match with GI Pipes as per IS:1239 (Part-I) with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting piles, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made seperately).						
	a) For Exposed Work PVC Pipes.						
	i) 15 mm dia.						
					Total	100.80	114.25 Mtr. ₹ 11,517.00
	iii) 25 mm.						
					Total	120.00	200.22 Mtr. ₹ 24,027.00
	v) 40 mm.						
					Total	120.00	330.31 Mtr. ₹ 39,637.00
48	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. Specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.						
					Total	7.00	1,148.17 Each ₹ 8,037.00
49	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. Brackets on 75 mm X 75mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30mm dia, approved quality P.V.C.waste pipe with C.P. nut 32mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P.nut including mending good all damages and painting the brackets with two coats of approved paint.						
	ii)630mmx450 mm						
					Total	10.00	3,687.71 Each ₹ 36,877.00
50	Supplying, fitting and fixing pedestal of approved make for wash basin.(White).						
					Total	10.00	1,693.41 Each ₹ 16,934.00
51	Supplying, fitting and fixing white vitreous china sink in position on CI brackets with two coats of painting of bracket.						
	a) plain edge Sink with overflow.						
	ii) 610mm x 450mm x 250mm.						
					Total	5.00	6,159.38 Each ₹ 30,797.00

52	Supplying, fitting & fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P.nut, 15mm dia.							
	iii) 600 mm long.							
				Total	10.00	121.04	Each	₹ 1,210.00
53	Supplying, fitting and fixing approved brand 32mm dia P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.							
	ii) 750mm long.							
				Total	10.00	66.74	Each	₹ 667.00
54	Supplying, fitting and fixing pillar cock of approved make.							
	f) i) CP Pillar Cock with 200 mm extended lever handle (equivalent to code no.5031 & Model ..							
				Total	10.00	66.74	Each	₹ 667.00
55	Supply ofUPVC pipes & fittings conforming to IS-13592-1992 .							
	A) i) Single socketed 3 meter length.							
	a)75 mm.							
				Total	50.00	221.72	Mtr.	₹ 11,086.00
	b) 110 mm.							
				Total	85.00	330.31	Mtr.	₹ 28,076.00
	x) Bend 87.5o.							
	a) 75 mm.							
				Total	10.00	69.00	Each	₹ 690.00
	b) 110 mm.							
				Total	12.00	135.74	Each	₹ 1,629.00
	xv) Vent Cowl.							
	a) 75 mm.							
				Total	1.00	28.28	Each	₹ 28.00
56	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge) Payment will be made on centre line measurement of the total pipeline including specials.).							
	B) Underground.							
	i) 75 mm dia.							
				Total	50.00	82.58	Mtr.	₹ 4,129.00
	ii) 110 mm dia.							
				Total	85.00	95.02	Mtr.	₹ 8,077.00

57	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.							
	a) With 'P' trap.							
					Total	7.00	1,607.44	Each ₹ 11,252.00
	PWD(WB)/SANITARY AND PLUMBING WORKS/Page-80/Item-7							
58	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete(6:3:1) with jhama chips complete.(Payment of concrete will be paid separately).							
	i) 450 mm X 350 mm.							
					Total	4.00	996.59	Each ₹ 3,986.00
59	Supplying, fitting and fixing 32 mm dia. flush pipe of approved make with necessary fixing materials and clamps complete.							
	i) Polythene Flush Pipe.							
					Total	7.00	175.34	Each ₹ 1,227.00
60	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm.							
					Total	10.00	693.43	Each ₹ 6,934.00
61	Supplying, fitting and fixing towel rail with two brackets.							
	a) C.P. over brass.							
	ii) 25 mm dia. and 600 mm long.							
					Total	5.00	486.42	Each ₹ 2,432.00
	iii) 25 mm dia. and 750 mm long.							
					Total	3.00	537.32	Each ₹ 1,612.00
62	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws supplied, fitted and fixed complete.							
	a) E.W.C. .							
	ii) Plastic (hallow type) white.							
					Total	7.00	429.86	Each ₹ 3,009.00
							TOTAL	4,081,901.00
	In Words : Forty lakhs eighty one thousand nine hundred one Rupees Only.							

Name of the work: Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd floor of Metiabruz SSH building in the district of South 24 Parganas.

BOQ

BOQ Item No	Description of Item	Unit	Quantity	Rate in Rs.	Amount in Rs.
CIVIL WORKS					
1	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.				
	(Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor)				
	In second floor.				
	(i) At CCU main entrance	Sq.M.	8.40	4,996.06	41,966.89
	(i) In front of security desk	Sq.M.	8.40	4,996.06	41,966.89
2	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc				
	In second floor.				
	(i) At CCU main entrance	Sq.M.	25.20	32.80	826.68
	(i) In front of security desk	Sq Mt	25.20	32.80	826.68
3	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :				
	(b) On steel or other metal surface :				
	With super gloss (hi-gloss) -				
	(iv) Two coats (with any shade except white)				
	In second floor.				
	(i) At CCU main entrance	Sq.M.	25.20	89.36	2,251.99
	(i) In front of security desk	Sq M	25.20	89.36	2,251.99
	Store Room				
4	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work).				
	(A) In 10-12 Micron thickness Anodizing film				
	j) Natural white				
	j) Fixed partitions.				
	(Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.)				
	i) Top & bottom member.	Mtr	18.40	522.61	9,616.02
	i) side member.	Mtr	22.40	522.61	11,706.46
	ii) Intermediate member.	Mtr	9.20	542.98	4,995.42
	iii) Glazing clip.	Mtr	92.00	52.04	4,787.68
	k) Movable door shutter.				
	i) Door frame. (Top & sides).	Mtr	8.40	356.33	2,993.17
	ii) Shutter :				
	Top rail.	Mtr	3.00	343.88	1,031.64
	Bottom rail.	Mtr	3.00	506.78	1,520.34
	Lock rail	Mtr	3.00	426.46	1,279.38
	Door vertical.	Mtr	16.80	375.56	6,309.41
	Glazing cleap.	Mtr	26.00	56.56	1,470.56
5	Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:-				

	(B) Partly glazed partly panelled or fully glazed single leaf aluminium swing door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor spring placed in the floor with mending damages, with top pin assembly of approved make and brand, fitted with in built locking arrangement, flush bolt, glazing clips and all other necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.	Sq.M			
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, panel boards neoprene / EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor spring is not used. 10% enhancement of rate is to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall. 5% rate enhancement may be allowed for double leaf swing door. Payment shall be made for the shutter area only except where door frame is fixed the entire opening shall be taken to consideration. Payment for door frame sections are to be paid separately).		6.30	1,449.07	9,129.12
	(D) Partly glazed and partly panelled partition or fixed glazing made of extruded and anodised alloy aluminium sections, fabrications after cutting to proper shape and size, drilling and aligning fitted with inbuilt locking arrangement cutting the glass / board (prelaminated / particle / block) to requisite shape and size moulding the edges fitted and fixed glazing clips and dry set neoprene / EPDM gasket, along with all other necessary arrangements for fixing the partition to walls, floors, beams, columns polysulphide sealant for water proofing if necessary complete in all respect as per drawing and specifications and direction of the Engineer in charge.				
	<i>The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, fastener but excluding the cost of extruded aluminium sections, EPDM gasket, glass, board, glazing clips, locking arrangement, etc.</i>				
	J) For partitions using section of size:				
	a) 63.50 mm x 38.10 mm				
		Sq.M	30.24	823.5136	24,903.05
6	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width at 2 nd floor	Mtr	36.6	84.84	3,105.14
7	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987; (A) clear, toughened glass conforming to IS: 2553-1992 (part-II)				
	(i) 6mm thick	Sq.M.	25.90	1,082.56	28,038.26
8	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP)				
	(a) 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating)	Sq.M.	25.90	2,252.22	58,332.48

9	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-in- charge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc) 10-12 Micron thickness Anodizing film Natural white	Kg			
	(unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m.) [Note : for estimate purpose construction wing may consider weight of Aluminium door @ 9.0 Kg per Sq.M]		37.80	435.51	16,462.35
10	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	Each	8.00	1,883.45	15,067.58
11	Supplying concealed type heavy duty PVC headed aluminium tower bolt for double leaf doors as per approved make and brand as per direction of Engineer-in-Charge. (d) 450 mm long	Each	8.00	185.52	1,484.13
12	(b) Supplying 'Godrej' mortice lock chromium plated with keys 6 levers including fitting & fixing complete.	Each	4.00	2,210.36	8,841.46
13	(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (b) Colour	Each	8.00	217.19	1,737.52
Doctor's Room					
14	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work). (A) In 10-12 Micron thickness Anodizing film j) Natural white j) Fixed partitions. (Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.)				
	i) Top & bottom member.	Mtr	41.60	522.61	21,740.58
	i) side member.	Mtr	44.80	522.61	23,412.93
	ii) Intermediate member.	Mtr	20.80	542.98	11,293.98
	iii) Glazing clip.	Mtr	216.00	52.04	11,240.64
	k) Movable door shutter.				
	i) Door frame. (Top & sides).	Mtr	16.80	356.33	5,986.34
	ii) Shutter :				
	Top rail.	Mtr	6.00	343.88	2,063.28
	Bottom rail.	Mtr	6.00	506.78	3,040.68
	Lock rail	Mtr	6.00	426.46	2,558.76
	Door vertical.	Mtr	33.60	375.56	12,618.82
	Glazing cleap.	Mtr	52.00	56.56	2,941.12
15	Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:- (B) Partly glazed partly panelled or fully glazed single leaf aluminium swing door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor sping placed in the floor with mending damages,with top pin assembly of approve make and brand, fitted with in built locking arrangement, flush bolt, glazing clips and all other necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.	Sq.M	12.60	1,449.07	18,258.25

	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, panel boards neoprene / EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor spring is not used. 10% enhancement of rate is to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall. 5% rate enhancement may be allowed for double leaf swing door. Payment shall be made for the shutter area only except where door frame is fixed the entire opening shall be taken to consideration. Payment for door frame sections are to be paid separately).				
	(D) Partly glazed and partly panelled partition or fixed glazing made of extruded and anodised alloy aluminium sections, fabrications after cutting to proper shape and size, drilling and aligning fitted with inbuilt locking arrangement cutting the glass / board (prelaminated / particle / block) to requisite shape and size moulding the edges fitted and fixed glazing clips and dry set neoprene /EPDM gasket, along with all other necessary arrangements for fixing the partition to walls, floors, beams, columns polysulphide sealant for water proofing if necessary complete in all respect as per drawing and specifications and direction of the Engineer in charge.				
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, fastener but excluding the cost of extruded aluminium sections, EPDM gasket, glass, board, glazing clips, locking arrangement, etc.				
	J) For partitions using section of size:				
	a) 63.50 mm x 38.10 mm				
		Sq.M	63.84	823.51	52,573.11
16	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width at 2 nd floor	Mtr	76.20	84.84	6,464.81
17	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987; (A) clear, toughened glass conforming to IS: 2553-1992 (part-II)				
	(i) 6mm thick	Sq.M.	46.48	1,082.56	50,317.39
18	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP)				
	(a) 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating)	Sq.M.	46.48	2,252.22	104,683.19
19	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. (a) Heavy type (I.S.I. size 3)	Each	8.00	1,883.45	15,067.58
20	Supplying concealed type heavy duty PVC headed aluminium tower bolt for double leaf doors as per approved make and brand as per direction of Engineer-in-Charge. (d) 450 mm long	Each	8.00	185.52	1,484.13
21	(b) Supplying 'Godrej' mortice lock chromium plated with keys 6 levers including fitting & fixing complete.	Each	4.00	2,210.36	8,841.46
22	(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (b) Colour	Each	8.00	217.19	1,737.52
23	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed.	Sq.Mt	185.69	14.71	2,731.47
24	(e) Supplying ,fitting & fixing Eco-friendly, Water Resistance and Incombustible Calcium Silicate board/tiles (Density >900 Kg per Cu.m.) of approved design and brand finished with calcium silicate jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with (ii) 8mm thick square edged Calcium Silicate Board	Sq.Mt	185.69	516.96	95,993.17

25	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	Sq.Mt			
			459.13	21.50	9,871.30
26	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]				
	(ii) With 1:4 cement mortar				
	(b) 15 mm thick plaster	Sq.Mt	129.02	311.08	40,133.99
27	Rendering the Surface of walls and ceiling with White Cement base				
	WATER PROOF wall putty of approved make & brand.(1.5 mm thick)	Sq.Mt	129.02	138.01	17,805.36
28	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface.				
	Two Coats	Sq.Mt	129.02	79.20	10,217.99
29	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.				
	(B) Wall				
	(b) Area of each tile above 0.09 Sq.m				
	(i) Coloured decorative	Sq.Mt	671.58	1,246.58	837,179.81
30	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.	Sq.Mt	384.23	70.14	26,949.89
31	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge.(White cement, synthetic adhesive and grout material to be supplied by the contractor)				
	(I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.				
	(B) Light Colour	Sq.Mt	384.23	1,453.59	558,512.89
SANITARY & PLUMBING					
40	Wash basin vitreous china of approved make (without fittings) supplied,fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. 630 mm X 450 mm				
	(v) Surgeon's wash basin 650 mm X 450 mm	Each	3.00	4368.6944	13,106.08
41	Wash basin vitreous china of approved make (without fittings) supplied,fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. 630 mm X 450 mm	Each	3.00	2754.472	8,263.42
42	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long	Each	16.00	121.0384	1,936.61
43	Supplying,fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe,with PVC coupling at one end fitted with necessary clamps. (i) 600 mm long	Each	16.00	53.1664	850.66
44	CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand). Elbow action	Each	6.00	1196.8096	7,180.86
45	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	Each	6.00	921.928	5,531.57
46	Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.				
	(ii) 50 mm	Each	6.00	287.3248	1,723.95

47	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) For Exposed Work				
	25 mm dia	Mtr	40.00	200.2224	8,008.90
	32 mm dia	Mtr	50.00	266.9632	13,348.16
	40 mm dia	Mtr	30.00	330.3104	9,909.31
	50 mm dia	Mtr	25.00	434.3808	10,859.52
	65 mm dia	Mtr	35.00	677.5888	23,715.61
48	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.				
	(b) For Concealed Work				
	(i) CPVC Pipes Class-1, SDR-11				
	15 mm	Mtr	40.00	158.368	6,334.72
	20 mm	Mtr	50.00	193.4352	9,671.76
25 mm	Mtr	50.00	265.832	13,291.60	
49	Supplying, fitting and fixing liquid soap container (a) Chromium plated.	Each	4.00	444.5616	1,778.25
50	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 A) (i) Single Socketed 3 Meter Length (b) 110 mm	Mtr	50.00	330.3104	16,515.52
51	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. 600 mm X 450 mm	Each	4.00	547.5008	2,190.00
52	Supplying, fitting and fixing towel rail with two brackets. (a) C.P over brass (ii) 25 mm dia. and 600 mm long	Each	4.00	486.416	1,945.66
				Total =	2,414,784.89
				Say=	2414785
Rupees: Twenty four lakhs fourteen thousand seven hundred eighty five only					

Name of work : Repair and Renovation to establish proposed 24 bed Hybrid CCU at 2nd & 3rd floor of Rampurhat SSH building in the district of Birbhum.

BOQ					
Sl. No.	Description of Items	Total Quantity	Unit	Rate including GST & Lc	Amount
1	<p>Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket, cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board).</p> <p>(A) In 10-12 Micron thickness Anodizing film [Natural white.] a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm</p> <p>[Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.7 Kg per Sq.M]</p> <p style="text-align: right;">@ 5.7Kg/Sqm =</p>	531.42	Kg.	442.30	235046.70
2	<p>Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-in- charge. (Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangement etc)</p> <p>10-12 Micron thickness Anodizing film Natural white</p> <p style="text-align: right;">@ 9.0 Kg/Sqm =</p>	225.855	Kg	435.51	98362.60
3	<p>Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP)</p> <p>(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)</p>	52.040	Sqm	3255.59	169421.10
4	<p>Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987;</p> <p>(A) clear, toughened glass conforming to IS: 2553-1992 (part-II) (i) 6mm thick glass</p>	66.287	Sqm	1082.56	71759.60
5	<p>Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:-</p>				

Sl. No.	Description of Items	Total Quantity	Unit	Rate including GST & Lc	Amount
	(B) Partly glazed partly panelled or fully glazed single leaf aluminium swing door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor spring placed in the floor with shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.				
		93.232	Sqm	1449.07	135099.50
	(D) Partly glazed and partly panelled partition or fixed glazing made of extruded and anodised alloy aluminium sections, fabrications after cutting to proper shape and size, drilling and aligning fitted with inbuilt locking arrangement cutting the glass / board (prelaminated / particle / block) to requisite shape and size moulding the edges fitted and fixed glazing clips and dry set neoprene /EPDM gasket, along with all other necessary arrangements for fixing the partition to walls, floors, beams, columns polysulphide sealant for water proofing if necessary complete in all respect as per drawing and specifications and direction of the Engineer in charge.				
	l) For partitions using section of size: a) 63.50 mm x 38.10 mm				
		25.095	Sqm	823.51	20666.10
6	(c) Supplying 6 levers 'Godrej' Crystal Satine Mortice Lock with keys including fitting & fixing complete.	11	Each	2148.15	23629.70
7	Double acting Iron Spring Hinges of approved quality fitted and fixed complete:- (a) 100mm size	33	Each	204.75	6756.70
8	(iii) Steel body foot-door holder.	11	Each	75.79	833.70
9	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. ii) Godrej Hydraulic door closer fitted and fixed complete. (a) Heavy type	11	Each	1883.45	20718.00
10	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: (vi) 200mm long x 10mm dia. bolt.	11	Each	88.23	970.60
11	(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (a) Natural Colour	22	Each	204.75	4504.50
12	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. 2 times of actual length of item no. 1 & 2 (In Mtr.) =				
	iii) weather gasket / wool pile for door vertical.	98.80	Mtr.	21.49	2123.50
	b) 'U' shaped EPDM gasket for frames.	67.68	Mtr.	16.97	1148.40
13	A. Exposed False-ceiling Work -- (e) Supplying ,fitting & fixing Eco-friendly, Water Resistance and Incombustable Calcium Silicate board/tiles (Density >900 Kg per Cu.M.) of approved design and brand placed in the grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with (i) 6mm thick square edged Calcium Silicate tiles (size 595mm X 595mm)				
	For Staff Area	262.133	Sqm	397.05	104080.30

Sl. No.	Description of Items	Total Quantity	Unit	Rate including GST & Lc	Amount	
14	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction					
	(b) Two Coats i) Water based interior grade Acrylic Primer					
	Wash & Clean Area	186.024	Sqm	38.12	7091.50	
15	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) :					
	(b) Two Coats ii) Luxury Quality					
	Quantity As same as Item No.	186.024	Sqm	79.18	14730.10	
16	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS 15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.					
	(b) For Concealed Work					
	(i) CPVC Pipes Class-1,SDR-11, 15 mm	25.00	Mtr.	158.37	3959.20	
	(i) CPVC Pipes Class-1,SDR-11, 20 mm	15.00	Mtr.	193.44	2901.60	
	(i) CPVC Pipes Class-1,SDR-11, 25mm	15.00	Mtr.	265.83	3987.50	
17	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007					
	(P) Pipe Clip 15 mm	25.00	Each	5.66	141.40	
	20mm	15.00	Each	4.52	67.90	
	25mm	15.00	Each	5.66	84.90	
	(Q) Ball Valve Dia of Ball Valve 15 mm	5.00	Each	111.99	560.00	
	(O) Reducing Tee 20mm x 15mm x20mm	5.00	Each	32.80	164.10	
	25 mm x 25mm x15mm	5.00	Each	40.72	203.70	
	25 mm x 20mm x20mm	5.00	Each	66.74	333.80	
	(U) Male Thraded Adapter (Brass Threaded) Diameter 15 mm	5.00	Each	117.64	588.30	
	(R) Female threaded adopter (Brass Threaded) Diameter 15 mm	5.00	Each	114.25	571.30	
	18	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007 (Z) Compact Compact Ball Valve with SS Handle For CPVC/UPVC Fittings.(As per ASTM D 2467, Schedule 80)				
		Diameter of Compact Ball Valve 15 mm	6.00	Each	235.29	1411.80
19	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992					
	(A) (i) Single Socketed 3 Meter Length (a) 75 mm dia	15.00	Mtr.	221.72	3325.80	
	(vii) Double Socketed 0.60 Meter Length (a) 75 mm dia	15.00	Mtr.	238.68	3580.30	
	(A) (i) Single Socketed 3 Meter Length (b) 110 mm dia	15.00	Mtr.	330.31	4954.70	
	(vii) Double Socketed 0.60 Meter Length (b) 110 mm dia	15.00	Mtr.	356.33	5345.00	
	(B) Fittings a) 75 mm Dia					
	(iii) Door Tee	4.00	Nos	114.25	457.10	
	iv) Door Tee(LH) & (RH)	4.00	Nos	201.35	805.50	
	vi) Door Y (LH) & (RH)	4.00	Nos	158.37	633.50	
	viii) Double Y with Door	3.00	Nos	243.21	729.70	
	xi) Door Bend (T.S.)	3.00	Nos	93.89	281.70	
	xiv) Cross Tee with Door	2.00	Nos	244.34	488.70	
	xv) Vent Cowl	1.00	Nos	28.28	28.30	
	xvi) Pipe Clip	10.00	Nos	18.10	181.00	

Sl. No.	Description of Items	Total Quantity	Unit	Rate including GST & Lc	Amount
	(B) Fittings b) 110 mm Dia				
	(iii) Door Tee	4.00	Nos	220.58	882.40
	iv) Door Tee(LH) & (RH)	4.00	Nos	352.93	1411.80
	vi) Door Y (LH) & (RH)	4.00	Nos	312.21	1248.90
	viii) Double Y with Door	3.00	Nos	390.26	1170.80
	xi) Door Bend (T.S.)	3.00	Nos	166.29	498.90
	xiv) Cross Tee with Door	3.00	Nos	270.36	811.10
	xv) Vent Cowl	1.00	Nos	37.33	37.40
	xvi) Pipe Clip	10.00	Nos	23.76	237.60
	xxvii) Reducing Tee (110 X 75 mm)	5.00	Nos	160.63	803.20
20	Supplying, fitting & fixing Aluminium domical grating.				
	(v) 75 mm	4.00	Nos	46.38	185.60
21	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages as per direction of the Engineer- in-charge.				
	i) 75 mm Dia	30.00	Mtr.	57.01	1710.40
	ii) 100 mm Dia	30.00	Mtr.	72.22	2166.50
22	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.				
	(v) Surgeon's wash basin 650 mm X 450 mm	5.00	Each	4368.69	21843.50
23	Supplying, fitting and fixing complete Bottle waste trap (Heavy Quality) (a) Chromium plated Bottle trap 32 mm with 190 mm long connecting pipe and wall flange (Equivalent to Code No. 545 & Model - Tropical / Sumthing Special of ESSCO or similar brand).				
	Quantity as per Sink/Basin	5.00	Each	711.52	3557.70
24	Supplying, fitting and fixing pillar cock of approved make.				
	a) (ii) CP Pillar Cock Super Deluxe with Aerator - 15 mm. (Equivalent to Code No. 508 & Model No. Tropical / Sumthing Special of ESSCO or similar brand).				
		5.00	Each	669.67	3348.40
25	e) (ii) CP Wall Mixture without spout but with provision for connection to Telephone Shower and exposed pipe for Overhead shower (Equivalent to Code No. 5215 & Model - FLORENTINE of JAQUAR or similar brand).				
		1.00	Each	2780.49	2780.50
26	Supplying, fitting and fixing bib cock or stop cock.				
	(c) (ii) Chromium plated Bib Cock with wall flange (Equivalent to Code No. 5047 & Model - Florentine of Jaquar or similar brand).	2.00	Each	973.96	1948.00
27	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia.				
	(v) 900 mm long	3.00	Each	166.29	498.90

Sl. No.	Description of Items	Total Quantity	Unit	Rate including GST & Lc	Amount
28	Supplying, fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.				
	(iii) 900 mm long	3.00	Each	84.84	254.60
Estimated Cost =					998124.00
Rupees: Nine lakhs ninety eight thousand one hubdred twenty four only.					