



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

- 1. Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SHD at Bharkata PHC in the district of Birbhum , West Bengal under WBMSCL**
- 2. Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SHD at Thiba PHC in the district of Birbhum , West Bengal under WBMSCL**
- 3. Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SAD Nalhati at Kaitha PHC in the district of Birbhum , West Bengal under WBMSCL**

(NIT Reference No. : WBMSCL/NIT-289/2026, Dated – 12/03/2026)

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-289 /2026

Dated - 12/03/2026

Managing Director, WBMSCL invites sealed bids through electronic tendering (e- Tendering) for “Civil ,Plumbing works for Construction of Model AYUSH OPD Building in the district of Birbhum, West Bengal under WBMSCL” from the bonafied, resourceful and reliable experienced Contractor in West Bengal.

Sl. No.	Name of the Work	Estimated Amount (Rs.)	Earnest Money (Rs.)	Period of Completion	Name & address of the Office
01	Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SHD at Bharkata PHC in the district of Birbhum , West Bengal under WBMSCL	28,83,795.00	57,676.00 (Payment to be done by online NEFT/RTGS in e-tender portal)	90 days	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
02	Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SHD at Thiba PHC in the district of Birbhum , West Bengal under WBMSCL	28,83,909.00	57,678.00 (Payment to be done by online NEFT/RTGS in e-tender portal)	90 days	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,
03	Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SAD Nalhati at Kaitha PHC in the district of Birbhum , West Bengal under WBMSCL	28,84,052.00	57,681.00 (Payment to be done by online NEFT/RTGS in e-tender portal)	90 days	Managing Director, West Bengal Medical Services Corporation Limited, Swasthya Sathi Building, GN-29, Sector -V, Saltlake,

GENERAL CLAUSE OF NIT :

TWO BID SYSTEMS

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) 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://wbtenders.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 statue 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.

d) Similar works/works of similar nature shall mean External/internal electrical works, civil works, Sewerage system etc. works executed in India.

ii) TECHNICAL PERSONEL

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

- iii) PAN Card, Valid Professional Tax Receipt Challan for the current financial year, Trade Licence, Valid GST Registration no. & certificate, Income Tax Acknowledgement Receipt for assessment year 2023-24, Valid electrical contractor license, Supervisory License on the part of 1,2,11 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 by law, Current Audit Report.

v) Joint Venture will not be allowed.

vi) Deleted

vii) Deleted.

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	Civil ,Plumbing works for Construction of Model AYUSH OPD Building at SHD at Bharkata PHC in the district of Birbhum , West Bengal under WBMSCL	57,676.00 (Payment to be done by online NEFT/RTGS in e-tender portal)
2	Civil ,Plumbing and Electrical works for Construction of Model AYUSH OPD Building at SHD at Thiba PHC in the district of Birbhum , West Bengal under WBMSCL	57,678.00 (Payment to be done by online NEFT/RTGS in e-tender portal)
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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 10% (Ten percent) of the value of work billed for. **Agency having MSME certificate is not exempted from submission of EMD.**

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.
11. No Mobilization Advance / Secured Advance will be allowed.
12. Prospective applicants note carefully the minimum qualification criteria as mentioned in instruction to bidders before tendering the bids.
13. No Conditional Bid / Tender will be accepted under any circumstances.
14. Requirement of Principal Machineries which must be possessed by [Non Statutory Document] by the Bidders.
15. 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.
16. 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.

17. 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)	16.03.2026 at 10.00 A.M.
ii)	Documents Sell / download start date (online)	16.03.2026 at 11.00 A.M.
iii)	Bid Submission Upload Start date (online)	16.03.2026 at 11.30 A.M.
iv)	Bid Submission Upload End date (online)	01.04.2026 at 3.00 P.M.
v)	Date & Place for Opening of Technical bid (online) for the Bidders	02.04.2026 at 3.00 P.M
vi)	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.

18. 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.
19. 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.
20. Bank guarantee as Performance Security Bank Guarantee @ 10% of the contract value may be submitted for the purpose of the security deposit.
21. 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.
22. 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.
23. 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.
24. 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)]
25. If the contractor or his workmen or servants or authorized representatives shall break, deface, injure, or destroy any part of building, in which they may be working, or any building, road, road-curbs, fence, enclosure, 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 whatsoever or any imperfection become apparent in it at any time whether during its execution or within a period of three months or one year or three years or five years, as the case may be (depending upon the nature of the work as described in the explanation appended hereto) hereinafter referred to as the Defect Liability Period, from the actual date of completion of work as per completion certificate issued by the Engineer-in-Charge, the contractor shall make the same good at his own expense, or in default, the Engineer-in-Charge may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-Charge shall be final and binding on all concerned) from any sums, whether under this contract or otherwise, that may be then, or at any time thereafter become due to the contractor from the Government or from his security deposit, either full, or of a sufficient portion thereof and if the cost, in the opinion of the Engineer-in-Charge (which opinion shall be final and conclusive against the contractor), of making such damage or

imperfection good shall exceed the amount of such security deposit and/or such sums, it shall be lawful for the Government to recover the excess cost from the contractor in accordance with the procedure prescribed by any law for the time being in force.-

Provided further that the Engineer-in-Charge shall pass the "Final Bill" and certify thereon, within a period of thirty days with effect from the date of submission of the final bill in acceptable form by the contractor, the amount payable to the contractor under this contract and shall also issue a separate completion certificate mentioning the actual date of completion of the work to the contractor within the said period of thirty days. The certificate of the Engineer-in-Charge whether in respect of the amount payable to the contractor against the "Final Bill" or in respect of completion of work shall be final and conclusive against the contractor . However, the security deposit of the work held with the Government under the provision of clause 1 hereof shall be refundable to the contractor in the manner provided here under:-

- (a) For work with three months Defect Liability Period:
 - i) Full security deposit shall be refunded to the contractor on expiry of three months from the actual date of completion of the work.
- (b) For work with one year Defect Liability Period:
 - i) Full security deposit shall be refunded to the contractor on expiry of one year from the actual date of completion of the work.
- (c) For work with three years Defect Liability Period:
 - i) 30% of the security deposit shall be refunded to the contractor on expiry of two years from the actual date of completion of the work;
 - ii) The balance 70% of the security deposit shall be refunded to the contractor on expiry of three years from the actual date of completion of the work;
- (d) For work with five years Defect Liability Period:
 - i) No security deposit shall be refunded to the contractor
 - ii) for 1st 3 years from the actual date of completion of the work;
 - iii) 30% of the security deposit shall be refunded to the contractor on expiry of four years from the actual date of completion of the work;
 - iv) The balance 70% of the security deposit shall be refunded to the contractor on expiry of five years from the actual date of completion of the work;

. Explanation :

The word 'work' means and includes building work, road work, drain work, sanitary and plumbing work and/or any other work contemplated within the scope and ambit of this contract. For

- i) The work of patch repair or patch maintenance in nature or a combination thereof, the Defect Liability Period of the work shall be three months from the actual date of completion of the work.
- ii) Thorough Bituminous Surfacing work with bituminous thickness less than 40 mm, Repair & Rehabilitation of any road / bridge / culvert / building / Sanitary & Plumbing work, the Defect Liability Period of the work shall be one year from the actual date of completion of the work;
- iii) Extension of building / bridge / culvert, Construction of new flexible pavement up to bituminous level which has been designed for a period of 3 years or more, Widening and strengthening of flexible pavement designed for a period of 3 years or more, Improvement of riding quality / Strengthening of flexible pavement designed for a period of 3 years or more; Providing only mastic asphalt layer over existing bituminous surface without providing bituminous profile corrective course / bituminous base course, the Defect Liability Period of the work shall be three years from the actual date of completion of the work;
- iv) Construction of new building / new bridge / new culvert, Reconstruction of building / bridge / culvert including construction of approach roads for bridge / culvert, Construction of rigid pavement, Reconstruction of rigid pavement, Construction of new flexible pavement covered by mastic work which has been designed for a period of 5 years or more, Widening and strengthening of flexible pavement covered by mastic work which has been designed for a period of 5 years or more, Improvement of riding quality / Strengthening of flexible pavement covered by mastic work which has been designed for a period of 5 years or more, the Defect Liability Period of the work shall be five years from the actual date of completion of the work;

Successful Tenderers will be required to obtain valid Registration Certificate & Labour License from respective Regional Labour Offices where construction work by them are proposed to be carried out as per Clauses u/s 7 of West Bengal Building & other Construction Works' Act, 1996 and u/s 12 of Contract Labour Act.

Power of Attorney holders are not allowed to sign Tender Documents unless otherwise approved by the Government.

26. 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.
27. 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.
28. 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
29. 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.
30. In case of Ascertaining of Authority at any stage of application or execution of work, necessary registered Power of Attorney is to be produced.
31. 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.
32. 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 (as per site wise Annexure A & Annexure B only)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.
33. The bidders must have valid Electrical Contractors' License with full time engagement of an Electrical Supervisor Competency on the parts 1, 2, 11 or equivalent National Supervisors' Certificate of competency (Self Attested scan copy of valid "Electrical Contractors' License," "Supervisors' Certificate of Competency" and authentic Notarized document regarding engagement of Electrical Supervisors as submitted to the licensing board, "Govt. of West Bengal" require in Non-Statutory document).
34. Prospective bidders must have sufficient credentials to participate in the tender (Electrical) as per notification of Clause No 3.
35. 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.

36. 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.
37. The selected bidder should execute the work by following the latest guidelines (placed as additional document under technical folder named as 'Guidelines on rational use of personal protective equipment or novel corona virus dieses 2019 COVIT-19') of COVIT-19 issued by Directorate General of Health Services(Emergency Medical Relief), H&FW Department, Govt. Of West Bengal.
38. The bidders whose technical bids are found defective to explain their position within 07 (seven) working days either through e-Mail or sending hard copy through any messenger. After receiving the clarification on deficiency, the authorities would be justified in taking appropriate decision on the admission / rejection of the bid considering the merit of each case.

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.

Sd/-
Managing Director
West Bengal Medical Services Corporation Limited



Payment Schedule

Payment will be made according to B.O.Q as per site wise Annexure A , Annexure B , Annexure C & Annexure D only.

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)
- iv) MOU (**If the bidder originated from only civil background, then they need to have a formal tie up MOU with a bonafied electrical contractor and both the contractor (Electrical/Civil) have to submit the all required credential and documents as mentioned in the NIT & If the bidder originated from only Electrical background, then they need to have a formal tie up MOU with a bonafied Civil contractor and both the contractor (Electrical/Civil) have to submit the all required credential and documents as mentioned in the NIT**)

Financial Bid:

- v) The percentage rate of summation of site wise Annexure-A, Annexure - B, Annexure C & Annexure D will be quoted in the BOQ. Percentage quoted rate (as per schedule of works in the form of annexure A, B,C &D) will be encrypted in the B.O.Q. under Financial Bid.
- vi) Breakup rate in the Annexure - A & B (for Civil work) & Annexure - C & D (for Electrical work) will be encrypted under Financial Bid.

A-2. Non statutory / Technical Documents

- i. Current Income Tax return (for the assessment year 2025-26), & Professional Tax receipt challan for the current financial year.
- ii. Valid Supervisory license (1,2,11) and Electrical contractor License
- iii. Registered Deed of partnership Firm
- iv. Trade License from the respective Municipality/Panchayet etc.
- v. PAN, GST Registration Certificate
- vi. Requisite Credential Certificate as mention in Clause [2(i)] of this N.I.T.
- vii. **If the bidder originated from only civil background, then they need to have a formal tie up MOU with a bonafied electrical contractor and both the contractor (Electrical/Civil) have to**

submit the all required credential and documents as mentioned in the NIT & If the bidder originated from only Electrical background, then they need to have a formal tie up MOU with a bonafied Civil contractor and both the contractor (Electrical/Civil) have to submit the all required credential and documents as mentioned in the NIT

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 2025-26), PAN, GST Registration Certificate & Professional Tax receipt challan for the current financial year ,V a l i d Supervisory license(1,2,11) and Electrical contractor License, Trade License, Partnership deed
B.	Company Details	Company Details – I	'Certificate of Registration' from the respective Assistant Registrar of Co – operative Societies (only for Regd. Unemployed Engineer's Co – Operative Society Limited)
C.	Credential (in applicable cases)	Credential	Documents of Credential (in the form of work completion certificates and payment 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 site wise Annexure A & Annexure B)
- 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.

D. (i) Special Terms & Conditions for Machineries, Tools and Plants as follows.

(i) Welding Machine (ii) Grout Pump (iii) Drilling Machine (iv) Mixer Machine, (v) Safety equipments (vi)

Megger (viii) tester (ix) testing equipment (x) all required tools & tackles etc.

All plants, machineries and equipment will be verified by the competent authority before execution of the work.

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-289/2026, Dated – 12/03/2026 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.

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:: _____

Mobile No.:: _____

Email id :: _____

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

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

FORM-V

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.

Signature of Tenderer

Date :

Postal address of the Tenderer

Name of the Firm with Seal

FORM - VI
FORM OF PERFORMANCE SECURITY BANK GUARANTEE

In consideration of the Employer having agreed under the terms and conditions of contract made vide his Notification of Award No.-----dated ---- between West Bengal Medical Services Corporation Ltd. (WBMSCL) (the Employer) represented by its Managing Director and _____(hereinafter called "the said Contractor) for "Completion of the above mentioned work" (herein after called the said Agreement") the Contractor having agreed to production of a irrevocable Bank Guarantee for Rs. ----- (Rupees ----- Only) as a Security/Guarantee for compliance of his obligations in accordance with the terms and conditions in the said Agreement:

1. We ----- (indicate the name of the Bank) (hereinafter referred to as "the Bank" hereby undertake to pay to the WEST BENGAL MEDICAL SERVICES CORPORATION LTD., an amount not exceeding Rs. ----- (Rupees -----only) on demand by WBMSCL.
2. We -----(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from WBMSCL for and on behalf of the Employer as an Agent/Power of Attorney Holder stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.----- (Rupees -----only).
3. We, the said Bank further under take to pay to the Employer represented by WBMSCL for and on behalf of the Employer as an Agent/Power of Attorney Holder any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any suit or proceeding pending before any court or Tribunal relating thereto, our liabilities under this present being absolute and unequivocal. The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Contractor shall have no claim against us for making such payment.
4. We ----- (Indicate the name of the Bank) further agree that the Guarantee herein contained shall remain in full force and effect for a period of 12 months from the date of issue and upon being extended for similar periods of 12 months each, it shall continue to be enforceable till all dues of the Employer under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Employer's Representative on behalf of the Employer certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor and accordingly discharges this Guarantee.
5. We ----- (indicate the name of the Bank) further agree with the Employer, that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations

hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Contractor(s) and to forbear from or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Employer or any indulgence by the Employer to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
7. This Guarantee will neither be cancelled nor revoked by the Bank without the written authorization of WBMSCL. For this purpose, the beneficiary WBMSCL would inform the Bank of their authorized signatories together with the specimen signatures.
8. This Guarantee shall be valid up to a period of 12 months from the date of issue unless extended on demand by the Employer. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____ (Rupees _____ Only) and unless a claim in writing is lodged with us within the date of expiry or the extended date of expiry of this Guarantee, all our liabilities under this Guarantee shall stand discharged.

Dated the _____ day of _____ for _____ (indicate the name of the Bank)".

Note : To be put in sealed cover by Bank and addressed to the concerned officer of WBMSCL.

BILL OF QUANTITIES (BOQ)

Name of Work- Civil ,Plumbing works for Construction of Model AYUSH OPD Building at SHD at Bharkata PHC in the district of Birbhum , West Bengal under WBMSCL

Sl. No	Description of Item	Unit	Quantity	Rate (incl. GST & L.Cess)	Amount (incl. GST & L.Cess)
Annexure A (Civil work)					
1	<i>Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	157.20 0	₹ 11.92	₹ 1,873.82
2	<i>Earth work in excavation of foundation trench in all sorts of soil (including mixed soil but excluding laterite of sand stone) including the spoils with in a lead of 75,m as directed. The includes necessary trimming the sides of trenches leveling dressing and ramming the bottom bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Cu m	25.378	₹ 142.15	₹ 3,607.48
3	<i>Earth work in filling in foundation trenches or plinth with good earth,in layers not exceeding 150 mm. including watering & ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished qty. of work) (a)With earth obtained from excavation of foundation</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Cu m	19.865	₹ 92.42	₹ 1,835.92
4	<i>(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do by fine sand</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Cu m	22.448	₹ 682.37	₹ 15,317.84

5	(a) Anti termite treatment to bottom surface (in case of masonry foundation and basements) and the sides (upto a height of 300 mm. from bottom) of the excavation trenches with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. area. The work shall be carried out as per specification described in 6.2.1. of code IS-6313 (part -II) 1981. (Mode of measurment will be the plan area of foundation treated.)				
	Quantity for SHD at Bharkata PHC =	Sq m	92.628	₹ 112.03	₹ 10,377.11
6	Single Brick flat soling of picked jhama brick including raming and dressing bed to proper level and filling joints with powdered earth or local sand.				
	Quantity for SHD at Bharkata PHC =	Sq m	163.39 6	₹ 317.02	₹ 51,799.80
7	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.				
	Quantity for SHD at Bharkata PHC =	Sq m	71.660	₹ 28.60	₹ 2,049.48
8	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 M15 Grade P.C.C.				
	Quantity for SHD at Bharkata PHC =	Cu m	11.836	₹ 5,381.74	₹ 63,698.27
9	Hire and labour charges for shuttering of requisite thickness inclusive of staging for structural members viz concrete floor/roof slabs in position including horizontal runners horizonta l diagonal bracing providing stone vertical props and striking out carefully after completion of works.(height of props upto 4 M).				
	(f) 25 mm to 30 mm shuttering without staging in foundation				
	Quantity for SHD at Bharkata PHC =	Sq m	128.70 9	₹ 244.32	₹ 31,446.18
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.				
	Quantity for SHD at Bharkata PHC =	Sq m	135.83 4	₹ 390.91	₹ 53,098.87

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.				
	Quantity for SHD at Bharkata PHC =	Cu m	32.791	₹ 5,993.83	₹ 196,543.68
11	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. II. JSW/JSPL/SHYAM/SRMB/BMASL/ELECCROSTEEL/SSL				
	Quantity for SHD at Bharkata PHC =	MT	3.331	₹ 65,630.82	₹ 218,616.26
12	(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)				
	Quantity for SHD at Bharkata PHC =	Sq m	16.320	₹ 306.29	₹ 4,998.65
13	Brick work with 1st class bricks in cement mortar (1:6)				
	(a) In foundation and plinth				
	Quantity for SHD at Bharkata PHC =	Cu m	8.057	₹ 5,003.23	₹ 40,311.02
	(b) In superstructure, ground floor				
	Quantity for SHD at Bharkata PHC =	Cu m	23.014	₹ 5,269.00	₹ 121,260.77
14	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.				
	Quantity for SHD at Bharkata PHC =	Sq m	94.995	₹ 696.65	₹ 66,178.27
15	Extra for using approved H.B netting in every third layer in 16 & 17 of subhead A above in any floor				
	Quantity for SHD at Bharkata PHC =	Sq m	94.995	₹ 48.86	₹ 4,641.46
16	Labour for Chipping of concrete surface before taking up Plastering work.				

	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	148.80 0	₹ 25.03	₹ 3,724.46
	<i>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 (Groundfloor) . [Excluding cost of chipping over concrete surface]</i>				
	Outside Wall				
	<i>15 mm thick plaster, with (1:6) cement mortar</i>				
17	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	242.01 4	₹ 157.97	₹ 38,230.87
	Inside Wall				
	<i>20 mm thick plaster, with (1:6) cement mortar</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	212.92 3	₹ 178.45	₹ 37,996.11
	<i>10 mm thick plaster, with (1:4) cement mortar</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	47.499	₹ 142.48	₹ 6,767.66
18	<i>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 @ 2.91 kg./sq.m. or using polymerised adhesive (6 mm thick layer applied directly over of tiles/epoxy grout material 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). Light Colour.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	48.141	₹ 1,492.77	₹ 71,863.44

	Supplying,fitting & fixing 1st quality Ceramic tiles in walls to match with the existing work & 4nos of key stones (10mm) fixed with araldite at the back of each tiles & 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.				
19	(A) Floor 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. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative				
	Quantity for SHD at Bharkata PHC =	Sq m	5.025	₹ 813.33	₹ 4,086.98
	(B) Wall With sand cement mortar (1:3) 15mm thick & 2mm thick cement slurry at back side of tiles using cement @ 2.91kg/sqm & joint filling using white cement slurry @ 0.20kg/sqm. (b) Area of each tile above 0.09 Sq.m (i) Coloured decorative				
	Quantity for SHD at Bharkata PHC =	Sq m	26.355	₹ 1,292.44	₹ 34,062.26
20	(b)Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5 mm thick)				
	Quantity for SHD at Bharkata PHC =	Sq m	260.42 2	₹ 131.10	₹ 34,141.32
21	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, annodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness				

	Annodizing film				
	For 2-Track window : Members for Bottom frame @ 0.875 Kg per Mtr. and for Top and Side frame @ 0.778 Kg per Mtr. and for shutter Bottom and Top member @ 0.472 Kg per Mtr., Style side member @ 0.493 Kg per Mtr. and Interlock member @ 0.612 Kg per Mtr.				
	For Window (W=1200 x 1200) & For Vent (V=600 x 750)				
	Quantity for SHD at Bharkata PHC =	Kg	45.047	₹ 533.93	₹ 24,051.94
22	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 arrangement etc) 10-12 Micron thickness Annodizing film				
	(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.)				
	Aluminium Door [size (900 x 2100)] & Aluminium Door Double leaf [size (1200 x 2100)]				
	Quantity for SHD at Bharkata PHC =	Kg	89.107	₹ 458.84	₹ 40,885.86
23	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.				

	(ii) 4 mm. thick coloured/tinted/smoke glass.				
	Quantity for SHD at Bharkata PHC =	Sq m	8.100	₹ 557.76	₹ 4,517.86
	(vi) 6 mm. thick coloured/tinted/smoke glass.				
	Quantity for SHD at Bharkata PHC =	Sq m	4.095	₹ 787.78	₹ 3,225.96
24	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)(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)				
	Quantity for SHD at Bharkata PHC =	Sq m	4.095	₹ 3,430.00	₹ 14,045.85
25	Supplying EPDM gasket of approved make and brandas per direction of Engineer-in-Charge. (i) For sliding windows b) 'U' shaped EPDM gasket for frames.				
	Quantity for SHD at Bharkata PHC =	Mtr	143.10	₹ 17.88	₹ 2,558.63
26	Supplying PVC rollers for sliding windows as per direction of Engineer-in-Charge.				
	Quantity for SHD at Bharkata PHC =	Eac h	20.00	₹ 16.69	₹ 333.80
27	Labour charge for fabrication and installation of composite door, window, partitions made from annoidized extruded alloy aluminium sections for the following units :-				
	A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium sections, fabrications, including cutting to proper shape and size drilling and alinging of window and shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and requisite size				

	<i>and fixing the glass as per drawing, specification and direction of Engineer in Charge. The rate including all incidental charges of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excludes the cost of extruded aluminium sections, glass, neoprene/EPDM gasketing, locking arrangement and rollers..</i>				
	<i>(i) 2 track sliding window.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	8.100	₹ 829.49	₹ 6,718.87
	<i>B) Partly glazed partly panelled or fully glazed leaf aluminium swing door made of extruded and anodised 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 towerbolt, 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).</i>				
	<i>Door installation</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	8.190	₹ 1,526.70	₹ 12,503.67
28	<i>Supplying, Fitting & Fixing Factory made pre-laminated P.V.C. door frame of size 50 mm x 47 mm with a wall thickness of 5 mm, made out of extruded 5 mm pre-laminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x 15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mm x 19 mm M.S. square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as</i>				

	<i>per Manufacturer's specification and direction of Engineer-in-Charge.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Mtr	9.900	₹ 458.84	₹ 4,542.52
29	<i>Supplying, Fitting & Fixing 30 mm thick both side prelaminate Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in- Charge.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	3.150	₹ 2,905.61	₹ 9,152.67
30	<i>F) Supplying Zinc powered coated star lock.(Natural White)</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	10.00	₹ 47.67	₹ 476.70
31	<i>Anodised aluminium barrel/tower/socket bolt (full covered) of approved quality manufactured from extruded section conforming to I.S.204/74 fitted and fixed with cadmium plated screws : (iii) 100mm long x 10mm dia. bolt.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	9.00	₹ 63.17	₹ 568.53
32	<i>(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (a) Natural Colour</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	14.00	₹ 215.72	₹ 3,020.08
33	<i>i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete (b) Medium (I.S.I. size 2)</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	2.00	₹ 1,628.00	₹ 3,256.00

	<i>Door stopper (Anodised aluminium)</i>				
34	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	5.00	₹ 83.43	₹ 417.15
35	<i>Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge. i) 150 mm.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	4.00	₹ 450.50	₹ 1,802.00
36	<i>(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. (Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor) (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Qntl .	9.075	₹ 11,784.52	₹ 106,944.52
37	<i>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. In ground floor. (Payment will be made on the area of the gate covered by two guard rails and two extreme channels).</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	6.930	₹ 5,160.49	₹ 35,762.20
38	<i>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 throughly, 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</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	260.42 2	₹ 36.70	₹ 9,557.49

39	<i>Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (Two coats)</i> <i>i) Standard Quality</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	260.42 2	₹ 73.89	₹ 19,242.58
40	<i>Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt 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: (a) One Coat</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	242.01 4	₹ 37.42	₹ 9,056.15
41	<i>Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	242.01 4	₹ 100.11	₹ 24,227.97
42	<i>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.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	79.805	₹ 34.56	₹ 2,758.06
43	<i>(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)</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	79.805	₹ 94.15	₹ 7,513.64

44	<i>Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	65.314	₹ 284.85	₹ 18,604.69
45	<i>18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	33.085	₹ 1,185.16	₹ 39,211.02
46	<i>Supplying & laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	5.603	₹ 956.14	₹ 5,357.25
47	<i>Roof treatment by application of non toxic polyurethane modified acrylic based single component (P U Roof Coat) solvent free, cold applied polyurethane modified elastomeric waterproofing membrane with excellent UV resistant capacity as per ASTM D6083fa water based 100% acrylic elastomeric emulsion polymer latex coating used as protective coating for roofs} after preparing the surface by cleaning and repairing the roof cracks by cement & sand mortar (1:4), preferably with :i!:</i>				

	<i>antishrinkage mortar (to be paid separately) if any, apply two coats along with a 5 ~ IPrimingcoat(two coats of P U Roof Coat and one coat of primer coat compatible with Sqm. i main product as per manufacturers specification) and reinforced with or without 20 ~ gsm GeotextileFleece, including the cost of primer coat and basepreparation, tools & IPlantsbut excluding the cost of scaffolding and stagging complete as per direction of Engineer -in-charge. (Note: If Geotextile Fleece not uesd ,the rate would be reduced by Rs. 5/-per Sqm)</i>				
	Quantity for SHD at Bharkata PHC =	Sq m	3.150	₹ 512.98	₹ 1,615.89
48	<i>M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1968 & IS:1161-1998) connected to one another with bracket, gusset, cleat as per design, drawing & direction of Engineer-in-Charge complete including cutting to requisite shape & size, fabrication including metal arc welding conforming to IS: 816-1969 & IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete.The rate includes the cost of all M.S. Hollow section, all consumables such as electrodes, gas and hire charges of all tools and plants and labour required for execution and all incidental chages (such as electricity, labour insurance) etc. completei) For Roof Truss Work a) Span upto 12 Mtr.</i>				
	Quantity for SHD at Bharkata PHC =	MT	2.201	₹ 86,186.21	₹ 189,695.85
49	<i>Supplying, fitting and fixing single skin color coated trapezodial profile for wall clading, Roof shall be made of 0.45 mm BMT (Base Metal Thickness) (0.50 mm TCT (Total coated thickness excluding paint), G550 (min 550 yield strength), of Zincalume metalic coating (ISI5965) with high Solar Reflectance Index (SRI) value for better colling as per thermatech technology, 1000 - 1015 mm effective cover width with five major coating total on both sides, pre- painted with colorbond XRW (xterior roofing, walling) paint system of 35 micron Super</i>				

	<i>Durable Polyester paint (SDP) with stable inorganic pigment with no lead contents confirming IS15965. The sheet shall be free from defects and have brand marking of the manufacturer giving product details on the back of the sheet at regular interval confirming genuinity of the material.</i>				
	<i>i) in Roof (a) 0.5 mm th. Sheet</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Sq m	102.96 3	₹ 1,067.85	₹ 109,948.51
Annexure B (S & P work)					
50	<i>Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc.</i>				
	<i>(a) With 'P' trap (with vent)</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	2	₹ 3,699.35	₹ 7,398.70
51	<i>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.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	2	₹ 1,209.68	₹ 2,419.36
52	<i>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. (iii) 630 mm X 450 mm size</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	3	₹ 3,885.27	₹ 11,655.81
53	<i>Supply of UPVC pipes (B Type) & fittings conforming to [S-13592-1992</i>				
	<i>(A) (ii) Double Socketed 3 Meter Length</i>				
	<i>(b) 110 mm</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Met re	28.700	₹ 375.42	₹ 10,774.55
	(B) Fittings				
	<i>xi) Door Bend (T.S.) ii) 110 mm. Dia.</i>				

	Quantity for SHD at Bharkata PHC =	Eac h	8	₹ 175.19	₹ 1,401.52
	xv) Vent Cowl (b) 110 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	3	₹ 39.33	₹ 117.99
	(i) Coupler (b) 110 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	10	₹ 101.30	₹ 1,013.00
	(ii) Plain Tee, (b) 110 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	7	₹ 101.30	₹ 709.10
	(iii) Door Tee, (b) 110 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 232.40	₹ 464.80
	xvi) Pipe Clip				
	Quantity for SHD at Bharkata PHC =	Eac h	45	₹ 25.03	₹ 1,126.35
	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 169.24	₹ 338.48
	xix) W.C. Connector Bend W / lipring 75 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 189.50	₹ 379.00
	xx) 125/110 P Trap with W.C. Ring, 75 mm				
	Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 405.21	₹ 810.42
	C) Rubber Lubricant 500 ML				
	Quantity for SHD at Bharkata PHC =	Eac h	4	₹ 222.87	₹ 891.48
	D) Solvent Cement 250 ML				
	Quantity for SHD at Bharkata PHC =	Eac h	6	₹ 122.76	₹ 736.56
54	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 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 (ii) 110 mm dia.				
	Quantity for SHD at Bharkata PHC =	Mtr.	28.700	₹ 67.93	₹ 1,949.59

55	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, coats of painting with approved paint in any position above ground. (a) For Exposed Work PVC Pipes				
	i) 15 mm				
	Quantity for SHD at Bharkata PHC =	Mtr	22.050	₹ 120.37	₹ 2,654.16
	ii) 20 mm				
	Quantity for SHD at Bharkata PHC =	Mtr	12.500	₹ 153.74	₹ 1,921.75
	iii) 25 mm				
	Quantity for SHD at Bharkata PHC =	Mtr	9.000	₹ 210.95	₹ 1,898.55
iv) 32 mm					
Quantity for SHD at Bharkata PHC =	Mtr	45.000	₹ 281.26	₹ 12,656.70	
56	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.) (vii) 25 mm dia				
	25 mm dia				
	Quantity for SHD at Bharkata PHC =	Eac h	1	₹ 1,086.92	₹ 1,086.92
	32 mm dia				
Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 1,499.28	₹ 2,998.56	
57	Supplying, fitting and fixing bib cock or stop cock.				
	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).				
	Quantity for SHD at Bharkata PHC =	Eac h	5	₹ 971.32	₹ 4,856.60
58	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).				
	Quantity for SHD at Bharkata PHC =	Eac h	2	₹ 1,512.39	₹ 3,024.78
59	Supplying, fitting and fixing shower of				

	<i>approved brand and make</i>				
	<i>(f) Hand Shower(Health Faucet) with Imtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	2	₹ 1,490.94	₹ 2,981.88
60	<i>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. 600 mm long.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	5	₹ 127.52	₹ 637.60
61	<i>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. (ii) 600 mm X 450 mm</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	3	₹ 576.83	₹ 1,730.49
62	<i>Supplying, fitting & fixing Aluminium domical grating. (iii) 100 mm</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	2	₹ 58.40	₹ 116.80
63	<i>f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	3	₹ 1,260.92	₹ 3,782.76
64	<i>Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (c) 1500 litre capacity</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	1	₹ 9,343.71	₹ 9,343.71
65	<i>Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	1	₹ 114.41	₹ 114.41
66	<i>Labour for punching hole in plastic water storage tank upto 50 mm dia.</i>				
	<i>Quantity for SHD at Bharkata PHC =</i>	Eac h	3	₹ 22.64	₹ 67.92

67	<p>Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials</p> <p>ii) With Pakur variety (JSW/JSPL/SHYAM/SRMB/BMASL/ELEC ROSTEEL/SSL)</p>				
	Quantity for SHD at Bharkata PHC =	Each	2	₹ 7,333.15	₹ 14,666.30
68	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick l stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials.</p> <p>Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part I. Payment will be made separately on the basis of actual height based on relevant I.S.Code. GC Mark Green Company Certificate</p> <p>ii) With Pakur variety (JSW/JSPL/SHYAM/SRMB/BMASL/ELEC ROSTEEL/SSL)</p>				
	(iii) For 30 users septic tank				
	Quantity for SHD at Bharkata PHC =	Each	1	₹ 65,454.85	₹ 65,454.85

69	<p><i>Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. ii) With Pakur variety (JSW/JSPL/SHYAM/SRMB/BMASL/ELECTROSTEEL/SSL)</i></p>				
	Quantity for SHD at Bharkata PHC =	Eac h	1	₹ 16,564.83	₹ 16,564.83

Annexure C (Borewell)

70	<p><i>Labour for boring through any type of soil for sinking tube well of required dia. with top enlargement by rig boring system (either by reserve circulation or by direct rotary method) including hire charges and labour for rig machine, tools and plants, staging, force pumping set and making arrangement for water required for boring etc. complete and lowering of pipes, strainers, blind pipes etc. complete. (a) For depth upto 250 metre for 100 mm dia. Tube well with top enlargement of 200 mm dia.(upto 50 metre).</i></p>				
	(i) First 50 metre	Mtr.	50.00	₹ 1,208.49	₹ 60,424.50
	(ii) Next 50 metre	Mtr.	50.00	₹ 1,052.36	₹ 52,618.00
	(iii) Next 50 metre	Mtr.	25.00	₹ 1,257.35	₹ 31,433.75
71	<p><i>Supplying, fitting and fixing PVC pipes for underground work 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,</i></p>				

	<i>longscrew, 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</i>				
	<i>200 mm dia</i>	Mtr.	30.00	₹ 3,236.93	₹ 97,107.90
	<i>100 mm dia</i>	Mtr.	85.00	₹ 1,384.87	₹ 117,713.95
	<i>40 mm dia Column Pipe</i>	Mtr.	75.00	₹ 370.65	₹ 27,798.75
72	<i>Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications.(iv) 100 mm dia.</i>	Mtr.	10.00	₹ 1,571.98	₹ 15,719.80
73	<i>Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (K) End Plug</i>	Eac h	1	₹ 262.20	₹ 262.20
74	<i>Supplying, fitting and fixing check valve (horizontal) G.M. tested to 21 kg per sq. cm. (v) 40 mm</i>	Eac h	1	₹ 1,763.86	₹ 1,763.86
75	<i>Supplying, fitting and fixing chech valve (vertical) G.M. tested to 21 kg per sq. cm. (v) 40 mm</i>	Eac h	1	₹ 1,010.65	₹ 1,010.65
76	<i>Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (v) 40 mm dia</i>	Eac h	1	₹ 2,563.56	₹ 2,563.56
77	<i>Supplying, fitting and fixing heavy type bell mouth reducing socket. (iv) 100 mm X 200 mm</i>	Eac h	1	₹ 1,030.91	₹ 1,030.91
78	<i>Supplying, fitting and fixing G.I. cap at top (iii) 200 mm</i>	Eac h	1	₹ 670.98	₹ 670.98
79	<i>Supplying, fitting and fixing M.S socket ring (iii) 200 mm</i>	Eac h	1	₹ 312.25	₹ 312.25
80	<i>Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for</i>	Day	1	₹ 8,983.79	₹ 8,983.79

	<i>testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required.</i>				
81	<i>Labour for making arrangement for showing verticality test including the cost for hire charges of tools and plants, scaffolding, labour etc. all complete.</i>	L.S.	1	₹ 1,091.69	₹ 1,091.69
82	<i>Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction.</i>	L.S.	1	₹ 1,467.11	₹ 1,467.11
83	<i>Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer- incharge including cost of all materials labour and equipment complete.</i>	Cu m	8.300	₹ 2,418.16	₹ 20,070.73
84	<i>Packing annular space between the outside of the housing pipe and the bore with puddled clay balls of approved size as per direction of the Engineer-in-charge with cost of all materials and labour complete.</i>	Cu m	4.230	₹ 496.98	₹ 2,102.23
85	<i>Providing and fixing bell plug as required upto 250 mm (internal) dia. ERWMS pipe including cost of materials and labour complete.</i>	Eac h	1	₹ 513.67	₹ 513.67
86	<i>Supplying, fitting and fixing 300 mm M.S. housing clamp of approved quality.</i>	Per Set	1	₹ 2,663.67	₹ 2,663.67
87	<i>Providing 200 mm centre guide. i) With Clamp</i>	Per Set	1	₹ 152.55	₹ 152.55
88	<i>Geophysical investigation of the aquifer by electrologging system with all tools and plants as necessary including supply of necessary report.</i>	Eac h Test	1	₹ 9,828.77	₹ 9,828.77
89	<i>Supplying and laying 4 sq.mm 3 core flat copper PVC submersible cable from starter and controlling panel to the submersible Pump with necessary connection. (M-Finolex, Product code - 17203) Rate approv. by Elect. Deptt.</i>	Mtr	85	₹ 183.54	₹ 15,600.90

90	<p><i>Single Phase Submersible Pump set A Per Latest BIS (Without Panel Board)</i> <i>Supply and delivery of clear water vertical wet type submersible pump suitable for bore well conforming to IS : 8034 (and as amended thereafter) with standard tuOC fo. potable clear cold water and BEE 3 Star Rated.capable of discharging noted M'/h. against head of water column. The pump shall be directly coupled with a continuous rated2- pole suitable wet type vertical squinel cage induction motor. conforming to IS : 9253 (and as amended thereafter), suitable for operation in A-C Single phases 220Y,50H2 (category B motor)</i> <i>2 HP Stage 20 with Head of 96 Mtr. and discharge 3 Cum per hour with NRV size 38mm.</i></p>	Set	1	₹ 35,046.07	₹ 35,046.07
91	<p><i>Single Phase Submersible Pump Controller (Microprocessor Based)Without Water Level ControlSupply and delivery of direct on line (DOL) strater panel board conforming to ISI3947 and IEC 947 of suitable HP rating for operation in 230V (+10%) AC, single phase, 50HZ(+5yo) comprising of ammeter, voltmeter, thermal overload relay,2 pole magnetic contactor, under voltage protection, indicating lamp, capacitors, on/off push buttons including 5 way connector, wiring with l/1.5 sq. mm PVC insulated copper wire, powder coated vermin proof box of following capacities:-iii) 2H.P. (Relay Range ll-18 Amp.)</i></p>	Each	1	₹ 6,084.14	₹ 6,084.14
Total Cost of Civil Work (A) =					₹ 2,532,884.55

Annexure- B (Electrical work)

Sl. No.	Description of Item	Unit	Quantity	Rate (incl. GST & L.Cess)	Amount (incl. GST & L.Cess)
Sl. No.	Description of work	Qty.	Unit	Rate (incl. GST & L.W.C.)	Amount Incl. GST & L.W.C.)
	Main Power Connection				
1	S&D of 1.1 KV Gr. XLPE / PVC Armoured Aluminium Cables of following sizes [Make:- Gloster / Havells / Polycab as approved by E.I.C].				
2	Laying of cable on wall/surface incl. S & F MS saddles with earthing attachment in 1X10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting [PWD/GS Page: F-1 Item 2(a)]				

2.0 1	Laying of cable upto 2 core 25 sqmm	105	Mtr.	72.00	7560.00
2.0 2	Laying of one No. cable upto 35 sqmm in underground trench 460 mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) Nos. bricks per metre, including filling the space between the brick & cable and also the trench with shifted soil, leveling up and restoring surface duly rammed. [PWD/GS Page: F-2 Item: 1/a]	20	Mtr.	203.00	4060.00
2.0 3	Laying of one No. cable upto 50 sqmm through existing RCC/Hume/GI Pipe/Open masonry trench for 2,3,31/2 & 4 core. [PWD/GS Page: F-4 Item: 3/a]	5	Mtr.	54.00	270.00
3	S & F of compression type brass cable gland complete with brass gland, brass ring & rubber ring for dust & moisture proof entry of XLPE/PVC armoured cable. [PWD/GS Page No.: F-4 Item No.: 7/c]				
3.0 1	2 core 6 sq. mm.	10	Set	85.00	850.00
3.0 2	2 core 10 sq. mm.	6	Set	144.00	864.00
4	Finishing the ends of the XLPE/PVC armoured cables by crimping method incl. S&F solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials. [PWD/GS Page No.: F-5 Item No.: 8/b]				
4.0 1	2 core 6 sq. mm.	10	Set	41.00	410.00
4.0 2	2 core 10 sq. mm.	6	Set	43.00	258.00
5	S&F of medium gauge 40 mm dia GI Pipe (TATA, ISI-Medium) Protection with necessary fittings and jointing materials as required as per GS. [PWD/GS Page: F-6 Item: 11]	5	Mtr.	307.00	1535.00
Earthing Installation					
6	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S&F of 15 mm dia GI protection pipe (1 Mtr. long) to be filled with Bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level. (For soft Soil: TATA ISI-Medium GI pipe) [PWD/GS Page No.: G-1 Item No.:2/a]	2	Item	1713.00	3426.00
7	Excavation of soil for installation of Earth Electrode and filling & ramming. (Soft Soil) [PWD/GS Page: G-1 Item:1]	5	qpmtr.	269.00	1345.00
8	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos. 12 mm dia holes on the GI pipe. [PWD/GS Page: G-2 Item: 3/a]	2	Item	1145.00	2290.00
9	Extra for treatment of soil by using salt & charcoal or coke for plate electrode. [PWD/GS Page: G-2 Item: 3/b]	2	Item	665.00	1330.00
10	S&F of earth busbar of galvanized (Hot Dip) MS flat on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required. [PWD/GS Page: G-2 Item: 4/a]				

10.01	S&F of galvanized (Hot Dip) MS flat of size 25 mm x 6 mm	0.5	Mtr.	195.00	97.50
11	Connecting the equipments body to earth busbar including S & F galvanised (Hot Dip) MS flat on wall / floor with GI saddles as required and connection to equipments incl. drilling holes with bolts, nuts, washers etc. [PWD/GS Page:G-3 Item: 5/c]				
11.01	S&F of galvanized (Hot Dip) MS flat of size 20 mm x 3 mm	10	mtr.	115.00	1150.00
12	Connecting the equipments to earth busbar including S & F 4 SWG GI (Hot Dip) wire of size. [PWD/GS Page:G-2 Item: 5/a]	40	Mtr.	23.00	920.00
Components of Power Distribution System					
13	S&F of (2+4) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for UPS) (Make:- Legrand-607710 / Schneider - A9HSND06 / ABB - ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	No.	1484.00	1484.00
14	S&F of (2+8) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for Power) (Make: Legrand-607711 / similar of Schneider-A9HSND08 / ABB-ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	No.	1848.00	1848.00
15	S&F of 4-way MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment. [PWD/GS Page: D-9 Item: 11]	3	No.	395.00	1185.00
16	S&F of 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection as required. (Make:Legrand / Schneider / ABB - as approved by EIC). [PWD/GS Page: D-6 Item: 7]				
16.01	16-32A DP MCB	5	No.	683.00	3415.00
16.02	6-32A SP MCB	12	No.	238.00	2856.00
Distribution Wiring Installation					
17	Distn. wiring in 3X22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) in 19 mm bore, 3mm thick PVC rigid pipe complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Make : Anchor) fixed on sheet metal (16 SWG) switch board complete with 2 no. "Ph & N" copper bar and 'L' shaped insulator chair with bakelite/perspex (wall matching colour) top cover (3mm thick) flushed in wall incl. mending good damages to original finish as to GS.				
17.01	On board 5A [PWD/GS Page: E-10 Item: 4/a]	6	Pt.	95.00	570.00
17.02	Average run: 07 Mtrs. [PWD/GS Page: E-9 Item: 2/a]	31	Pt.	1094.00	33914.00

18	Cutting channel of 40 mm x 40 mm size on masonry wall incl. S&F heavy gauge 19mm PVC Rigid pipe by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building works [PVD/GS Page: E-2 Item: 3/a]	160	Mtr.	109.00	17440.00
19	S&D of 1.1 KV Grd. single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) of the following sizes in the prelaid PVC Rigid pipe and by the prelaid GI fish wire and making necy. connection as required [PVD/GS Page: E-09 Item: C/1]				
19.01	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	55	Mtr.	60.00	3300.00
19.02	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC	90	Mtr.	81.00	7290.00
19.03	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	15	Mtr.	119.00	1785.00
20	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. [PVD/GS Page: F-5 Item: 9]				
20.01	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm)	12	Set	23.00	276.00
20.02	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm)	2	Set	25.00	50.00
21	S&F of Electronic Socket type fan regulator (Step type) (Brand approved by E.I.C) on existing switch board with backlight top cover after making housing for regulator knob by cutting backlight top cover including making necessary connections. [PVD/GS Page: E-6 Item: 18/a]	8	Nb.	295.00	2360.00
22	S&F of 250 V AC/DC superior type Call Bell (Anchor) on HW board incl. S&F HW board [PVD/GS Page: D-13 Item: 20]	1	Nb.	216.00	216.00
	Switch-Sockets & Enclosure with MCB				
23	S&F of 240 V 01 no. 5-pin 6A flush type plug socket with 01 no. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. [PVD/GS Page: E-6 Item: 21]	2	Nb.	255.00	510.00
24	S&F of 240 V 02 nos. 5-pin 6A flush type plug socket with 02 nos. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 175x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PVD/GS Page: E-4&5, Item: 11/c, 12/c & 14/a,15/a)	1	Nb.	413.00	413.00
25	S&F of 240 V 01 no. 5-pin 20A flush type plug socket with 01 no. 20 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PVD/GS Page: E-6, Item: 22)	5	Nb.	359.00	1795.00

26	S&F of 240 V, 3 nos. 6A & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch, indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite top cover of 3mm thick and making necessary connections as required [PWD/GS Page: E-7 Item: 26]	1	No.	941.00	941.00
27	S&F of UPS connection switch board comprising with 250 V 02 nos. 5 Pin 20A flush type plug socket with 02 nos. 20A Piano key type (Anchor) switch on 200x150x65mm sheet metal box with bakelite top cover(3mm thick) and one 25A DP MCB type changeover switch with din rail on same metal box embedded in wall by cutting bakelite/perspex cover and making necessary connections as required. [PWD/GS Item: (E4/11d + E4/12d + E5/14b + E5/15b + D7/9)]	1	set	1820.00	1820.00
28	S&F of 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [PWD/GS Page: E-19 Item: 17]	1	No.	981.00	981.00
29	S&F of 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) without plug top on 2 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [PWD/GS Page: E-17 Item: 2/a, 4/b]	1	No.	418.00	418.00
Fan Fittings & other accessories					
30	S&F of MS fan dam of two piece type for RC ceiling as per approved specification, fabricated from 40 mm x 9 mm MS flat including making good damages to building roof with satisfactory finishing and painting--(As per Drawing no. 475 of PWD Specification Book – May 1991) [PWD/GS Page:D-14 Item: 29]	8	No.	303.00	2424.00
31	S& D of heavy duty metal 9" Sweep, 1370 rpm A.C Exhaust fan. [Make EPC or similar of ORIENT/Crompton as approved by E.I.C]	3	No.	2630.00	7890.00
32	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust [PWD/GS Page: C-4, Item: 28]	3	No.	309.00	927.00
33	S&F of 23 cm (9") Al louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) [PWD/GS Page: D-14, Item: 32/a]	3	No.	190.00	570.00
34	S&D of 42" (1050 mm) AC Ceiling fan with all accessories. (Make: Orient PSPO NEW AIR PLUS or equivalent of EPC/ CROMPTON as approved by EIC)	1	No.	2750.00	2750.00
35	S&D of 48" (1200mm) AC Ceiling fan with all accessories. (Make:- Orient PSPO NEWBREEZE / SUMMERCOOL or equivalent of EPC / CROMPTON as approved by EIC)	7	No.	3271.00	22897.00
36	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire. [PWD/GS Page: C-3 Item: 21/a]	8	No.	83.00	664.00

37	S&F of additional safety arrangement of ceiling fan by stranded GI strain wire of suitable gauge with one end fixed at RC clamp with special type of socket, nut-bolts, thimbles which thoroughly crimped with the strain wire and the wire passing through down rod (for upto 8 ft) and also other end connected with armature spindle by its existing jam nut hole with special arrangement (sample approved by EIC). The length of the strain wire up to 9ft also considering any type of work required i.e. enlarging the existing hole by file etc. to complete the job including installation as per direction of EIC (Static & Dynamic Load Test (in rotation of 1:20) certificate must be provided with final bill jointly with concerned Junior Engineer & authorised Electrical Supervisor of Agency).	8	Item	79.00	632.00
38	Engraving the deptt. number with 10 mm lettering on the body of fan upto 10 letters incl. hifen, stroke or stop (like as PWDES1 0001) [PWD/GS Page: C-3 Item: 24/a]	8	Each	33.00	264.00
39	S&D of Single 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 01 no. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 1xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I - 2100lm / equivalent model of Wpro / Crompton as approved by E.I.C)	11	Set	1116.00	12276.00
40	S&D of Double 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 02 nos. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 2xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I - 2100lm / equivalent model of Wpro / Crompton as approved by E.I.C)	4	Set	1913.00	7652.00
41	Fixing of single/double tube light fitting incl. all accessories directly on wall with HW block/MS flat (25X6mm) clamp and suitable size MS fastener, Ceiling plate, nipples etc. as required. [PWD/GS Page: C-2 Item: 14/d]	4	Set	201.00	804.00
42	Fixing only single/twin fluorescent light fitting suspended 25 cm below the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm) flexible copper wire of 1.10 mt. length. [PWD/GS Page: C-2 Item: 17]	11	Set	249.00	2739.00
43	S&F of 10W LED BC Lamp. (Make: Philips or equivalent of Wpro/Crompton as approved by E.I.C)	5	No.	120.00	600.00
Building Security Light:					
44	Fixing only outdoor / street light light fitting complete with all accessories to be fixed/projected from the wall of the building incl. making holes to building, S&F 40 mm dia GI pipe (ISI-Medium) 1.50 mts. average length, with GI socket at one end and thread at the other end & suitable bend to house the fitting & making necy. connections with S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall and painting. [PWD/GS Page: C-3 Item: 19]	4	Item	904.00	3616.00

45	S&F of GI water proof type looping cable box size 200x150x100 mm deep having 4 mm thick comprising of one 250 V 16 A SP MCB unit, one NL on porcelain insulator, 2 nos. compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive paint. [PWD/GS Page: H-5 Item: 5]	4	Item	573.00	2292.00
46	S&D of outdoor type LED light fitting complete with all accessories having luminous efficacy & system lumens not less than 100 Lm/W & 2500 lumens respectively. (Make : Philips cat no.-BRP029 LED25 CW SLR GR PSU SPD or equivalent of Wipro / Crompton as approved by EIC.)	4	Item	1913.00	7652.00
47	Supply & installation of 06ft X 04ft X 4inch size wall mounted Rectangular Sign Board (matter will be approved by the H&FW authority) would be made with 3mm thick white Acrylic sheet cutting letter to be fixed on 3mm thick ACP Board base including S/F Osram make water proof LED module & SMPS. Structure would be fabricated by 25X25X3mm MS Rectangular Pipe complete with 16SWG 120GSM GI sheet on the back side of the structure as directed by EIC. The board will be fixed on a pre erected iron clamp made by 40X40X5mm equal angle. 25mmX25mmX22SWG stainless steel angle would be fixed with necessary screw on the edge of the ACP board over front fascia. The complete sign board to be fixed on wall above the entrance of building with necessary clamp, nut-bolts & other accessories.	1	Item	15732.00	15732.00
48	S&F of Timer control switch for controlling for Outdoor light & Sign Board made with suitable size MS Sheet duly Power coated paint with IP -43 projection with front door locking arrangement with all connection and comprising with following accessories including necessary connentions and earthing attachment on angle Iron frame on wall / embedding in wall as per instruction of EIC. (Make -L&T/ equivalent of Legrand , Simens). a) 16A DP MCB make -L&T - 1 Nos., b) SPN DB Legrand 2+8 Way Enclosure (607712)-1 nos c) LK/GIC 67DDTO DIN Rail Digital timer switch, min swithchg time 1min, 25 ON/OFF programs, 6 yrs. battery backup, - 1 nos, d) Two pole Contactor- Type Type MU16-2P with Thermal Overload Release 1 nos . e) LED Gen Next LED indicator (SIL) 16 mm , 240V AC - 1 no, f) 30A rated Three pole terminal bolck -01 nos g) Auto - manual toggle Switch (2-way) - 01 nos, h) Ferule marking & name plate for each Ckt.and Wire 1.5 cu with necessary connection.	1	Item	6993.00	6993.00
49	Supply & Delivery of 1.5 TR capacity 3 or above star rated inverter type ,efficient & tropical -return cooled Rotary Compressor, green refrigerent gas (R32), installation kit , remote with batteries . (Make: Mitshubishi Electric-MSY/MUY-JS18VF/ O-General-ASGG18CGAA-B(R-32) or Similar of Mitshubishi Heavy Industries as approved by E.I.C)	1	Nb.	54194.00	54194.00

50	Installing, testing and commissioning including the charges for lifting, shifting, scaffolding & all other charges or accessories etc. of wall mounted Hi- wall split type air Conditioning Unit up to 2TR with suitable brackets /angle Iron Clamp for supporting the out door unit & other accessories.	1	Item	2682.00	2682.00
51	S & F of 3/8 " + 1/4" Copper refrigerant pipes with 3 core 2.5sq. mm copper Cable thermal insulation with 70 mm nitrile rubber tube insulation and best quality PVC drain pipe with 40 mm best quality tap for wrapping the whole incl fixing arrangement complete with high quality saddle in all respect for 1.5TR to 2TR Split type airconditioner . (excluding supplied with split AC unit)	5	Mtr	1013.00	5065.00
52	Supply & Charging of refrigerent gas as required . (R32/R410A)	0.5	Kg	1013.00	506.50
53	Supplying, fitting & fixing 20mm PVC pipes of approved make of (medium duty) with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, etc. fitted with holder bats clamps, including cutting pipes, making threads,fitting, fixing etc. complete in all respect and two coats of painting with approved paint in any position above ground - for water drainage system of AC machine. (P/S Page: 10 Item: 19(I))	3	Mtr.	154.00	462.00
54	S&F of 240 V, 25A, 3pin modular type plug top without indicator(Brand approved by EIC) & necy. Connections [PWD/GS Page: E-17 Item: 5b]	1	No.	161.00	161.00
55	Online UPS - Input supply: Single Phase, Output Supply : Single Phase Supplying, installation, testing & commissioning of 2KVA capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time, on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch along with provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant Inter-national standards such as IEC/ENVDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (THD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost), extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1) however UPS shall be suitable to take load at 0.7 lagging to 0.7 leading power factor loads. UPS shall be suitable for incoming supply AC single phase 160-270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute.	1	Item	42713.00	42713.00

55.01	Operating temperature 0 to 40 deg C, Relative humidity 0-95% non condensing, noise level less than 60db at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, short circuit, battery deep discharge , 10 KV surge. Display for watt/VA,Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3) . The UPS should be with IGBT Based Inverter Technology, Communication RS232/RS485/SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accessories are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location etc. (Make :- UPS : APC/ Delta / Schneider and Battery : Exide/ Amara Raja / HBL)			
Total Cost of Electrical Work (B) : Rs.				350910.00
Total Cost of Work (A+B) : Rs.				(25,32,884.55+3,50,910)
			Say	28,83,794.55

Name of the Work- Civil and Plumbing works for Construction of Model AYUSH OPD Building at SHD at Thiba PHC in the district of Birbhum , West Bengal under WBMSCL during the year of 2025-26

Sl. No.	Description of Item	Unit	Quantity	Rate (incl. GST & L.Cess)	Amount (incl. GST & L.Cess)
Annexure A (Civil work)					
1	<i>Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	157.200	₹ 11.92	₹ 1,873.82

2	<i>Earth work in excavation of foundation trench in all sorts of soil (including mixed soil but excluding laterite of sand stone) including the spoils with in a lead of 75,m as directed. The includes necessary trimming the sides of trenches leveling dressing and ramming the bottom bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Cu m	25.37 8	₹ 142.15	₹ 3,607.48
3	<i>Earth work in filling in foundation trenches or plinth with good earth,in layers not exceeding 150 mm. including watering & ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished qty. of work) (a)With earth obtained from excavation of foundation</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Cu m	19.86 5	₹ 92.42	₹ 1,835.92
4	<i>(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do by fine sand</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Cu m	22.44 8	₹ 682.37	₹ 15,317.84
5	<i>(a) Anti termite treatment to bottom surface (in case of masonry foundation and basements) and the sides (upto a height of 300 mm. from bottom) of the excavation trenches with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. area. The work shall be carried out as per specification described in 6.2.1. of code IS-6313 (part -II) 1981. (Mode of measurment will be the plan area of foundation treated.)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	92.62 8	₹ 112.03	₹ 10,377.11

6	Single Brick flat soling of picked jhama brick including raming and dressing bed to proper level and filling joints with powdered earth or local sand.				
	Quantity for SHD at Thiba PHC =	Sq m	163.3 96	₹ 317.02	₹ 51,799.80
7	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.				
	Quantity for SHD at Thiba PHC =	Sq m	71.66 0	₹ 28.60	₹ 2,049.48
8	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 M15 Grade P.C.C.				
	Quantity for SHD at Thiba PHC =	Cu m	11.83 6	₹ 5,511.27	₹ 65,231.39
9	Hire and labour charges for shuttering of requisite thickness inclusive of staging for structural members viz concrete floor/roof slabs in position including horizontal runners horizontal diagonal bracing providing stone vertical props and striking out carefully after completion of works.(height of props upto 4 M).				
	(f) 25 mm to 30 mm shuttering without staging in foundation				
	Quantity for SHD at Thiba PHC =	Sq m	128.7 09	₹ 244.32	₹ 31,446.18
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.				
	Quantity for SHD at Thiba PHC =	Sq m	135.8 34	₹ 390.91	₹ 53,098.87
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.				
	Quantity for SHD at Thiba PHC =	Cu m	32.79 1	₹ 6,120.42	₹ 200,694.69
11	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				

	<i>position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.</i>				
	<i>II. JSW/JSPL/SHYAM/SRMB/BMASL/ELECROSTEEL/SSL</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	MT	3.331	₹ 65,495.17	₹ 218,164.41
12	<i>(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)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	16.32 0	₹ 306.29	₹ 4,998.65
13	<i>Brick work with 1st class bricks in cement mortar (1:6)</i>				
	<i>(a) In foundation and plinth</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Cu m	8.057	₹ 5,003.23	₹ 40,311.02
	<i>(b) In superstructure, ground floor</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Cu m	23.01 4	₹ 5,269.00	₹ 121,260.77
14	<i>125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	94.99 5	₹ 696.65	₹ 66,178.27
15	<i>Extra for using approved H.B netting in every third layer in 16 & 17 of subhead A above in any floor</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	94.99 5	₹ 48.86	₹ 4,641.46
16	<i>Labour for Chipping of concrete surface before taking up Plastering work.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	148.8 00	₹ 25.03	₹ 3,724.46
17	<i>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 (Groundfloor) . [Excluding cost of chipping over concrete surface]</i>				
	Outside Wall				
	<i>15 mm thick plaster, with (1:6) cement mortar</i>				

	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	242.0 14	₹ 157.97	₹ 38,230.87
	Inside Wall				
	<i>20 mm thick plaster, with (1:6) cement mortar</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	212.9 23	₹ 178.45	₹ 37,996.11
	<i>10 mm thick plaster, with (1:4) cement mortar</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	47.49 9	₹ 142.48	₹ 6,767.66
18	<i>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 @ 2.91 kg./sq.m. or using polymerised adhesive (6 mm thick layer applied directly over of tiles/epoxy grout material 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). Light Colour.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	48.14 1	₹ 1,492.77	₹ 71,863.44
19	<i>Supplying,fitting & fixing 1st quality Ceramic tiles in walls to match with the existing work & 4nos of key stones (10mm) fixed with araldite at the back of each tiles & 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.</i>				
	<i>(A) Floor 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.</i>				

	(a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative				
	Quantity for SHD at Thiba PHC =	Sq m	5.025	₹ 813.33	₹ 4,086.98
	(B) Wall With sand cement mortar (1:3) 15mm thick & 2mm thick cement slurry at back side of tiles using cement @ 2.91kg/sqm & joint filling using white cement slurry @ 0.20kg/sqm. (b) Area of each tile above 0.09 Sq.m (i) Coloured decorative				
	Quantity for SHD at Thiba PHC =	Sq m	26.35 5	₹ 1,292.44	₹ 34,062.26
20	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5 mm thick)				
	Quantity for SHD at Thiba PHC =	Sq m	260.4 22	₹ 131.10	₹ 34,141.32
21	Supplying, fitting & fixing of 2-Track / 3- Track Aluminium sliding Window of all Aluminium sections viz. window frame (top, bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285- 1975, anodised conforming to IS 1868- 1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in- charge. 10-12 Micron thickness Anodizing film				
	For 2-Track window : Members for Bottom frame @ 0.875 Kg per Mtr. and for Top and Side frame @ 0.778 Kg per Mtr. and for shutter Bottom and Top member @ 0.472 Kg per Mtr., Style side member @ 0.493 Kg per Mtr. and Interlock member @ 0.612 Kg per Mtr.				
	For Window (W=1200 x 1200) & For Vent (V=600 x 750)				
	Quantity for SHD at Thiba PHC =	Kg	45.04 7	₹ 533.93	₹ 24,051.94

22	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				
	(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.)				
	Aluminium Door [size (900 x 2100)] & Aluminium Door Double leaf [size (1200 x 2100)]				
	Quantity for SHD at Thiba PHC =	Kg	89.10 7	₹ 458.84	₹ 40,885.86
23	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.				
	(ii) 4 mm. thick coloured/tinted/smoke glass.				
	Quantity for SHD at Thiba PHC =	Sq m	8.100	₹ 557.76	₹ 4,517.86
	(vi) 6 mm. thick coloured/tinted/smoke glass.				
Quantity for SHD at Thiba PHC =	Sq m	4.095	₹ 787.78	₹ 3,225.96	

24	<p><i>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)(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)</i></p>	Sq m	4.095	₹ 3,430.00	₹ 14,045.85
25	<p><i>Supplying EPDM gasket of approved make and brandas per direction of Engineer-in-Charge. (i) For sliding windows b) 'U' shaped EPDM gasket for frames.</i></p>	Mtr	143.1 0	₹ 17.88	₹ 2,558.63
26	<p><i>Supplying PVC rollers for sliding windows as per direction of Engineer-in-Charge.</i></p>	Eac h	20.00	₹ 16.69	₹ 333.80
27	<p><i>Labour charge for fabrication and installation of composite door, window, partitions made from annoidized extruded alloy aluminium sections for the following units :-</i></p>				
	<p><i>A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium sections, fabrications, including cutting to proper shape and size drilling and alinging of window and shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture,adhesives and requisite size and fixing the glass as per drawing, specification and direction of Engineer in Charge. The rate including all incidental charges of all tools and plants,including all incidental charges, adhesive, joineries</i></p>				

	<i>such as screw, cleat angle etc. but excludes the cost of extruded aluminium sections, glass, neoprene/EPDM gasketing, locking arrangement and rollers..</i>				
	<i>(i) 2 track sliding window.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	8.100	₹ 829.49	₹ 6,718.87
	<i>B) Partly glazed partly panelled or fully glazed leaf aluminium swing door made of extruded and anodised 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 towerbolt, 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 into consideration. Payment for door frame sections are to be paid separately).</i>				
	<i>Door installation</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	8.190	₹ 1,526.70	₹ 12,503.67
28	<i>Supplying, Fitting & Fixing Factory made pre-laminated P.V.C. door frame of size 50 mm x 47 mm with a wall thickness of 5 mm, made out of extruded 5 mm pre-laminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x 15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mm x 19 mm M.S. square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. screws through the frame by</i>				

	<i>using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr	9.900	₹ 458.84	₹ 4,542.52
29	<i>Supplying, Fitting & Fixing 30 mm thick both side prelaminated Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in- Charge.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	3.150	₹ 2,905.61	₹ 9,152.67
30	<i>F) Supplying Zinc powered coated star lock.(Natural White)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	10.00	₹ 47.67	₹ 476.70
31	<i>Anodised aluminium barrel/tower/socket bolt (full covered) of approved quality manufactured from extruded section conforming to I.S.204/74 fitted and fixed with cadmium plated screws : (iii) 100mm long x 10mm dia. bolt.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	9.00	₹ 63.17	₹ 568.53
32	<i>(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (a) Natural Colour</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	14.00	₹ 215.72	₹ 3,020.08
33	<i>i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and</i>				

	<i>fixed complete (b) Medium (I.S.I. size 2)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2.00	₹ 1,628.00	₹ 3,256.00
34	<i>Door stopper (Anodised aluminium)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	5.00	₹ 83.43	₹ 417.15
35	<i>Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge. i) 150 mm.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	4.00	₹ 450.50	₹ 1,802.00
36	<i>(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. (Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor) (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Qnt l.	9.023	₹ 11,784.52	₹ 106,331.72
37	<i>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. In ground floor. (Payment will be made on the area of the gate covered by two guard rails and two extreme channels).</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	6.930	₹ 5,160.49	₹ 35,762.20
38	<i>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>				

	<i>i) Water based interior grade Acrylic Primer</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	260.4 22	₹ 36.70	₹ 9,557.49
39	<i>Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (Two coats) i) Standard Quality</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	260.4 22	₹ 73.89	₹ 19,242.58
40	<i>Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior 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>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	242.0 14	₹ 37.42	₹ 9,056.15
41	<i>Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	242.0 14	₹ 100.11	₹ 24,227.97
42	<i>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.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	79.80 5	₹ 34.56	₹ 2,758.06

43	(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)				
	Quantity for SHD at Thiba PHC =	Sq m	79.80 5	₹ 94.15	₹ 7,513.64
44	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick				
	Quantity for SHD at Thiba PHC =	Sq m	65.31 4	₹ 284.85	₹ 18,604.69
45	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]				
	Quantity for SHD at Thiba PHC =	Sq m	33.08 5	₹ 1,185.16	₹ 39,211.02
46	Supplying & laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].				

	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	5.603	₹ 956.14	₹ 5,357.25
47	<i>Roof treatment by application of non toxic polyurethane modified acrylic based single component (P U Roof Coat) solvent free, cold applied polyurethane modified elastomeric waterproofing membrane with excellant UV resistant capasity as per ASTM D6083fa water based 100%acrylic elastomeric emulsion polymer latex coating used as protective coating for roofs} after preparing the surface by cleaning and ti repairing the roof cracks by cement & sand mortar (1:4), preferably with :i!: antishrinkage mortar (to be paid separately) if any, apply two coats along with a 5 ~ IPrimingcoat(two coats of P U Roof Coat and one coat of primer coat compatible with Sqm. i main product as per manufacturers specification) and reinforced with or without 20 ~ gsm GeotextileFleece, including the cost of primer coat and basepreparation, tools & IPlantsbut excluding the cost of scaffolding and staggng complete as per direction of Engineer -in-charge. (Note: If Geotextile Fleece not uesd ,the rate would be reduced by Rs. 5/-per Sqm)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	3.150	₹ 512.98	₹ 1,615.89
48	<i>M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1968 & IS:1161-1998) connected to one another with bracket, gusset, cleat as per design, drawing & direction of Engineer-in-Charge complete including cutting to requisite shape & size, fabrication including metal arc welding conforming to IS: 816-1969 & IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete.The rate includes the cost of all M.S. Hollow section, all consumables such as electrodes, gas and hire charges of all tools and plants and labour required for execution and all incidental chages (such as electricity, labour insurance)</i>				

	<i>etc. completei) For Roof Truss Work a) Span upto 12 Mtr.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	MT	2.201	₹ 86,186.21	₹ 189,695.85
49	<i>Supplying, fitting and fixing single skin color coated trapezodial profile for wall cladding, Roof shall be made of 0.45 mm BMT (Base Metal Thickness) (0.50 mm TCT (Total coated thickness excluding paint), G550 (min 550 yield strength), of Zinalume metallic coating (ISI5965) with high Solar Reflectance Index (SRI) value for better colling as per thermatech technology, 1000 - 1015 mm effective cover width with five major coating total on both sides, pre- painted with colorbond XRW (xterior roofing, walling) paint system of 35 micron Super Durable Polyster paint (SDP) with stable inorganic picment with no lead contents confirming ISI5965. The sheet shall be free from defects and have brand marking of the manufacturer giving product details on the back of the sheet at regular interval confirming genuinity of the material. i) in Roof (a) 0.5 mm th. Sheet</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Sq m	102.9 63	₹ 1,067.85	₹ 109,948.51
Annexure B (S & P work)					
50	<i>Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. (a) With 'P' trap (with vent)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2	₹ 3,699.35	₹ 7,398.70
51	<i>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.</i>				

	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 1,209.68	₹ 2,419.36
52	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. (iii) 630 mm X 450 mm size				
	Quantity for SHD at Thiba PHC =	Eac h	3	₹ 3,885.27	₹ 11,655.81
53	Supply of UPVC pipes (B Type) & fittings conforming to [S-13592-1992 (A) (ii) Double Socketed 3 Meter Length (b) 110 mm				
	Quantity for SHD at Thiba PHC =	Met re	28.70 0	₹ 375.42	₹ 10,774.55
	(B) Fittings				
	xi) Door Bend (T.S.) (b) 110 mm. Dia.				
	Quantity for SHD at Thiba PHC =	Eac h	8	₹ 175.19	₹ 1,401.52
	xv) Vent Cowl (b) 110 mm				
	Quantity for SHD at Thiba PHC =	Eac h	3	₹ 39.33	₹ 117.99
	(i) Coupler (b) 110 mm				
	Quantity for SHD at Thiba PHC =	Eac h	10	₹ 101.30	₹ 1,013.00
	(ii) Plain Tee, (b) 110 mm				
	Quantity for SHD at Thiba PHC =	Eac h	7	₹ 101.30	₹ 709.10
	(iii) Door Tee, (b) 110 mm				
	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 232.40	₹ 464.80
	xvi) Pipe Clip				
	Quantity for SHD at Thiba PHC =	Eac h	45	₹ 25.03	₹ 1,126.35
	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm				
	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 169.24	₹ 338.48
	xix) W.C. Connector Bend W / lipring 75				

	<i>mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2	₹ 189.50	₹ 379.00
	<i>xx) 125/110 P Trap with W.C. Ring, 75 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2	₹ 405.21	₹ 810.42
	<i>C) Rubber Lubricant 500 ML</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	4	₹ 222.87	₹ 891.48
	<i>D) Solvent Cement 250 ML</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	6	₹ 122.76	₹ 736.56
54	<i>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 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 (ii) 110 mm dia.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr .	28.70 0	₹ 67.93	₹ 1,949.59
55	<i>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, coats of painting with approved paint in any position above ground. (a) For Exposed Work PVC Pipes</i>				
	<i>i) 15 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr	22.05 0	₹ 120.37	₹ 2,654.16
	<i>ii) 20 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr	12.50 0	₹ 153.74	₹ 1,921.75
	<i>iii) 25 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr	9.000	₹ 210.95	₹ 1,898.55
	<i>iv) 32 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Mtr	45.00 0	₹ 281.26	₹ 12,656.70

	<i>Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.) (vii) 25 mm dia</i>				
56	25 mm dia				
	Quantity for SHD at Thiba PHC =	Eac h	1	₹ 1,086.92	₹ 1,086.92
	32 mm dia				
	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 1,499.28	₹ 2,998.56
	<i>Supplying, fitting and fixing bib cock or stop cock.</i>				
57	<i>(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).</i>				
	Quantity for SHD at Thiba PHC =	Eac h	5	₹ 971.32	₹ 4,856.60
	<i>Supplying, fitting and fixing pillar cock of approved make</i>				
58	<i>f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand).</i>				
	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 1,512.39	₹ 3,024.78
	<i>Supplying, fitting and fixing shower of approved brand and make</i>				
59	<i>(f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).</i>				
	Quantity for SHD at Thiba PHC =	Eac h	2	₹ 1,490.94	₹ 2,981.88
	<i>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. 600 mm long.</i>				
60		Eac h	5	₹ 127.52	₹ 637.60
	<i>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.</i>				
61	<i>(ii) 600 mm X 450 mm</i>				
	Quantity for SHD at Thiba PHC =	Eac h	3	₹ 576.83	₹ 1,730.49
62	<i>Supplying, fitting & fixing Aluminium</i>				

	<i>domical grating. (iii) 100 mm</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2	₹ 58.40	₹ 116.80
63	<i>f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	3	₹ 1,260.92	₹ 3,782.76
64	<i>Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (c) 1500 litre capacity</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	1	₹ 9,343.71	₹ 9,343.71
65	<i>Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	1	₹ 114.41	₹ 114.41
66	<i>Labour for punching hole in plastic water storage tank upto 50 mm dia.</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	3	₹ 22.64	₹ 67.92
67	<i>Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and outside walls upto G.L. and 20 mm.thick (1:4) plaster to, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials ii) With Pakur variety (JSW/JSPL/SHYAM/SRMB/BMASL/ELE CROSTEEL/SSL)</i>				
	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	2	₹ 7,333.15	₹ 14,666.30

68	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thickR.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick l stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,PartI.Payment will be made separetly on the basis of actual height based on relevant I.S.Code. GC Mark Green Company Certificate ii) With Pakur variety (JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL)</p>				
	(iii) For 30 users septic tank				
	Quantity for SHD at Thiba PHC =	Each	1	₹ 65,454.85	₹ 65,454.85
69	<p>Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. ii) With Pakur variety (JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL)</p>				

	<i>Quantity for SHD at Thiba PHC =</i>	Eac h	1	₹ 16,564.83	₹ 16,564.83
Annexure C (Borewell)					
70	<i>Labour for boring through any type of soil for sinking tube well of required dia. with top enlargement by rig boring system (either by reserve circulation or by direct rotary method) including hire charges and labour for rig machine, tools and plants, staging, force pumping set and making arrangement for water required for boring etc. complete and lowering of pipes, strainers, blind pipes etc. complete. (a) For depth upto 250 metre for 100 mm dia. Tube well with top enlargement of 200 mm dia.(upto 50 metre).</i>				
	<i>(i) First 50 metre</i>	Mtr	50.00	₹ 1,208.49	₹ 60,424.50
	<i>(ii) Next 50 metre</i>	Mtr	50.00	₹ 1,052.36	₹ 52,618.00
	<i>(iii) Next 50 metre</i>	Mtr	25.00	₹ 1,257.35	₹ 31,433.75
71	<i>Supplying, fitting and fixing PVC pipes for underground work 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 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</i>				
	<i>200 mm dia</i>	Mtr	30.00	₹ 3,236.93	₹ 97,107.90
	<i>100 mm dia</i>	Mtr	85.00	₹ 1,384.87	₹ 117,713.95
	<i>40 mm dia Column Pipe</i>	Mtr	60.00	₹	₹

		.		370.65	22,239.00
72	Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications.(iv) 100 mm dia.	Mtr	10.00	₹ 1,571.98	₹ 15,719.80
73	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (K) End Plug	Each	1	₹ 262.20	₹ 262.20
74	Supplying, fitting and fixing check valve (horizontal) G.M. tested to 21 kg per sq. cm. (v) 40 mm	Each	1	₹ 1,763.86	₹ 1,763.86
75	Supplying, fitting and fixing check valve (vertical) G.M. tested to 21 kg per sq. cm. (v) 40 mm	Each	1	₹ 1,010.65	₹ 1,010.65
76	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (v) 40 mm dia	Each	1	₹ 2,563.56	₹ 2,563.56
77	Supplying, fitting and fixing heavy type bell mouth reducing socket. ((iv) 100 mm X 200 mm	Each	1	₹ 1,030.91	₹ 1,030.91
78	Supplying, fitting and fixing G.I. cap at top (iii) 200 mm	Each	1	₹ 670.98	₹ 670.98
79	Supplying, fitting and fixing M.S socket ring (iii) 200 mm	Each	1	₹ 312.25	₹ 312.25
80	Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required.	Day	1	₹ 8,983.79	₹ 8,983.79
81	Labour for making arrangement for showing verticality test including the cost for hire charges of tools and plants, scaffolding, labour etc. all complete.	L.S.	1	₹ 1,091.69	₹ 1,091.69
82	Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all	L.S.	1	₹ 1,467.11	₹ 1,467.11

	<i>charges and fees, testing etc. complete in all respect as per direction.</i>				
83	<i>Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer- incharge including cost of all materials labour and equipment complete.</i>	Cu m	8.300	₹ 2,418.16	₹ 20,070.73
84	<i>Packing annular space between the outside of the housing pipe and the bore with puddled clay balls of approved size as per direction of the Engineer-in-charge with cost of all materials and labour complete.</i>	Cu m	4.230	₹ 496.98	₹ 2,102.23
85	<i>Providing and fixing bell plug as required upto 250 mm (internal) dia. ERWMS pipe including cost of materials and labour complete.</i>	Eac h	1	₹ 513.67	₹ 513.67
86	<i>Supplying, fitting and fixing 300 mm M.S. housing clamp of approved quality.</i>	Per Set	1	₹ 2,663.67	₹ 2,663.67
87	<i>Providing 200 mm centre guide. i) With Clamp</i>	Per Set	1	₹ 152.55	₹ 152.55
88	<i>Geophysical investigation of the aquifer by electrologging system with all tools and plants as necessary including supply of necessary report.</i>	Eac h Tes t	1	₹ 9,828.77	₹ 9,828.77
89	<i>Supplying and laying 4 sq.mm 3 core flat copper PVC submersible cable from starter and controlling panel to the submersible Pump with necessary connection. (M- Finolex, Product code - 17203) Rate approv. by Elect. Deptt.</i>	Mtr	85	₹ 183.54	₹ 15,600.90
90	<i>Single Phase Submersible Pump set A Per Latest BIS (Without Panel Board) Supply and delivery of clear water vertical wet type submersible pump suitable for bore well conforming to IS : 8034 (and as amended thereafter) with standard tuOC fo. potable clear cold water and BEE 3 Star Rated. capable of discharging noted M/h. against head of water column. The pump shall be directly coupled with a continuous rated 2- pole suitable wet type vertical squirrel cage induction motor. conforming to IS : 9253 (and as</i>	Set	1	₹ 35,046.07	₹ 35,046.07

	<i>amended thereafter), suitable for operation in A-C Single phases 220Y,50H2 (category B motor) 2 HP Stage 20 with Head of 96 Mtr. and discharge 3 Cum per hour with NRV size 38mm.</i>				
91	<i>Single Phase Submersible Pump Controller (Microprocessor Based)Without Water Level ControlSupply and delivery of direct on line (DOL) strater panel board conforming to IS13947 and IEC 947 of suitable HP rating for operation in 230V (+10%) AC, single phase, 50HZ(+5yo) comprising of ammeter, voltmeter, thermal overload relay,2 pole magnetic contactor, under voltage protection, indicating lamp, capacitors, on/off push buttons including 5 way connector, wiring with 1/1.5 sq. mm PVC insulated copper wire, powder coated vermin proof box of following capacities:-iii) 2H.P. (Relay Range ll-18 Amp.)</i>	Eac h	1	₹ 6,084.14	₹ 6,084.14
Total Cost of Civil Work (A) =					₹ 2,531,944.28
Annexure- B (Electrical work)					
	Main Power Connection				
1	S&D of 1.1 KV Gr. XLPE / PVC Armoured Aluminium Cables of following sizes [Make:- Gloster / Havells / Polycab as approved by E.I.C].				
1.0 1	2 core 6 sq. mm.	50	Mtr.	228.00	11400.00
1.0 2	2 core 10 sq. mm.	90	Mtr.	289.00	26010.00
2	Laying of cable on wall/surface incl. S & F MS saddles with earthing attachment in 1X10 SMVG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting [PWD/GS Page: F-1 Item: 2(a)]				
2.0 1	Laying of cable upto 2 core 25 sqmm	105	Mtr.	72.00	7560.00
2.0 2	Laying of one No. cable upto 35 sqmm in underground trench 460 mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) Nos. bricks per metre, including filling the space between the brick & cable and also the trench with shifted soil, leveling up and restoring surface duly rammed. [PWD/GS Page: F-2 Item: 1/a]	25	Mtr.	203.00	5075.00
2.0 3	Laying of one No. cable upto 50 sqmm through existing RCC/Hume/GI Pipe/Open masonry trench for 2,3,31/2 & 4 core. [PWD/GS Page: F-4 Item: 3/a]	10	Mtr.	54.00	540.00

3	S & F of compression type brass cable gland complete with brass gland, brass ring & rubber ring for dust & moisture proof entry of XLPE/PVC armoured cable. [PWD/GS Page No.: F-4 Item No.: 7/c]				
3.0 1	2 core 6 sq. mm.	10	Set	85.00	850.00
3.0 2	2 core 10 sq. mm.	6	Set	144.00	864.00
4	Finishing the ends of the XLPE/PVC armoured cables by crimping method ind. S&F solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials. [PWD/GS Page No.: F-5 Item No.: 8/b]				
4.0 1	2 core 6 sq. mm.	10	Set	41.00	410.00
4.0 2	2 core 10 sq. mm.	6	Set	43.00	258.00
5	S&F of medium gauge 40 mm dia GI Pipe (TATA, ISI-Medium) Protection with necessary fittings and jointing materials as required as per GS. [PWD/GS Page: F-6 Item: 11]	10	Mtr.	307.00	3070.00
	Earthing Installation				
6	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers ind. S&F of 15 mm dia GI protection pipe (1 Mtr. long) to be filled with Bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level. (For soft Soil: TATA ISI-Medium GI pipe) [PWD/GS Page No.: G-1 Item No.:2/a]	1	Item	1713.00	1713.00
7	Excavation of soil for installation of Earth Electrode and filling & ramming. (Soft Soil) [PWD/GS Page: G-1 Item:1]	2.5	qmtr.	269.00	672.50
8	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos. 12 mm dia holes on the GI pipe. [PWD/GS Page: G-2 Item: 3/a]	1	Item	1145.00	1145.00
9	Extra for treatment of soil by using salt & charcoal or coke for plate electrode. [PWD/GS Page: G-2 Item: 3/b]	1	Item	665.00	665.00
10	S&F of earth busbar of galvanized (Hot Dip) MS flat on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required. [PWD/GS Page: G-2 Item: 4/a]				
10. 01	S&F of galvanized (Hot Dip) MS flat of size 25 mm x 6 mm	0.5	Mtr.	195.00	97.50
11	Connecting the equipments body to earth busbar including S & F galvanised (Hot Dip) MS flat on wall / floor with GI saddles as required and connection to equipments ind. drilling holes with bolts, nuts, washers etc. [PWD/GS Page:G-3 Item: 5/c]				
11. 01	S&F of galvanized (Hot Dip) MS flat of size 25 mm x 3 mm	10	mtr.	115.00	1150.00

12	Connecting the equipments to earth busbar including S & F 4 SWG GI (Hot Dip) wire of size. [PWD/GS Page:G-2 Item: 5/a]	20	Mtr.	23.00	460.00
	Components of Power Distribution System				
13	S&F of (2+4) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for UPS) (Make:- Legrand-607710 / Schneider - A9HSND06 / ABB - ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	No.	1484.00	1484.00
14	S&F of (2+8) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for Power) (Make: Legrand-607711 / similar of Schneider-A9HSND08 / ABB-ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	No.	1848.00	1848.00
15	S&F of 4-way MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment. [PWD/GS Page: D-9 Item: 11]	3	No.	395.00	1185.00
16	S&F of 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection as required. (Make:Legrand / Schneider / ABB - as approved by EIC). [PWD/GS Page: D-6 Item: 7]				
16.01	16-32A DP MCB	5	No.	683.00	3415.00
16.02	6-32A SP MCB	12	No.	238.00	2856.00
	Distribution Wiring Installation				
17	Distn. wiring in 3X22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) in 19 mm bore, 3mm thick PVC rigid pipe complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Make : Anchor) fixed on sheet metal (16 SWG) switch board complete with 2 no. "Ph & N" copper bar and 'L' sahped insulator chair with bakelite/perspex (wall matching colour) top cover (3mm thick) flushed in wall incl. mending good damages to original finish as to GS.				
17.01	On board 5A [PWD/GS Page: E-10 Item: 4/a]	6	Pt.	95.00	570.00
17.02	Average run: 07 Mtrs. [PWD/GS Page: E-9 Item: 2/a]	31	Pt.	1094.00	33914.00
18	Cutting channel of 40 mm x 40 mm size on masonry wall incl. S&F heavy gauge 19mm PVC Rigid pipe by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building works [PWD/GS Page: E-2 Item: 3/a]	160	Mtr.	109.00	17440.00

19	S&D of 1.1 KV Grd. single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) of the following sizes in the pre-laid PVC Rigid pipe and by the pre-laid GI fish wire and making necy. connection as required [PWD/GS Page: E-09 Item: C/1]				
19.01	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	55	Mtr.	60.00	3300.00
19.02	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC	90	Mtr.	81.00	7290.00
19.03	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	15	Mtr.	119.00	1785.00
20	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. [PWD/GS Page: F-5 Item: 9]				
20.01	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm)	12	Set	23.00	276.00
20.02	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm)	2	Set	25.00	50.00
21	S&F of Electronic Socket type fan regulator (Step type) (Brand approved by E.I.C) on existing switch board with backlight top cover after making housing for regulator knob by cutting backlight top cover including making necessary connections. [PWD/GS Page: E-6 Item: 18/a]	8	No.	295.00	2360.00
22	S&F of 250 V AC/DC superior type Call Bell (Anchor) on HW board incl. S&F HW board [PWD/GS Page: D-13 Item: 20]	1	No.	216.00	216.00
	Switch-Sockets & Enclosure with MCB				
23	S&F of 240 V 01 no. 5-pin 6A flush type plug socket with 01 no. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. [PWD/GS Page: E-6 Item: 21]	2	No.	255.00	510.00
24	S&F of 240 V 02 nos. 5-pin 6A flush type plug socket with 02 nos. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 175x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PWD/GS Page: E-4&5, Item: 11/c, 12/c & 14/a,15/a)	1	No.	413.00	413.00
25	S&F of 240 V 01 no. 5-pin 20A flush type plug socket with 01 no. 20 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PWD/GS Page: E-6, Item: 22)	5	No.	359.00	1795.00
26	S&F of 240 V, 3 nos. 6A & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch, indicator & 20A switch type SP MCB (Brand	1	No.	941.00	941.00

	approved by EIC) on sheet metal switch board incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite top cover of 3mm thick and making necessary connections as required [PWD/GS Page: E-7 Item: 26]				
27	S&F of UPS connection switch board comprising with 250 V 02 nos. 5 Pin 20A flush type plug socket with 02 nos. 20A Piano key type (Anchor) switch on 200x150x65mm sheet metal box with bakelite top cover(3mm thick) and one 25A DP MCB type changeover switch with din rail on same metal box embedded in wall by cutting bakelite/perspex cover and making necessary connections as required. [PWD/GS Item: (E4/11d + E4/12d + E5/14b + E5/15b + D7/9)]	1	set	1820.00	1820.00
28	S&F of 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [PWD/GS Page: E-19 Item: 17]	1	No.	981.00	981.00
29	S&F of 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) without plug top on 2 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [PWD/GS Page: E-17 Item: 2/a, 4/b]	1	No.	418.00	418.00
	Fan Fittings & other accessories				
30	S&F of MS fan dam of two piece type for RC ceiling as per approved specification, fabricated from 40 mm x 9 mm MS flat including making good damages to building roof with satisfactory finishing and painting--- (As per Drawing no. 475 of PWD Specification Book – May 1991) [PWD/GS Page:D-14 Item: 29]	8	No.	303.00	2424.00
31	S& D of heavy duty metal 9" Sweep, 1370 rpm A.C Exhaust fan. [Make EPC or similar of ORIENT/Crompton as approved by E.I.C]	3	No.	2630.00	7890.00
32	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust [PWD/GS Page: C-4, Item: 28]	3	No.	309.00	927.00
33	S&F of 23 cm (9") Al louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) [PWD/GS Page: D-14, Item: 32/a]	3	No.	190.00	570.00
34	S&D of 42" (1050 mm) AC Ceiling fan with all accessories. (Make: Orient PSPO NEW AIR PLUS or equivalent of EPC / CROMPTON as approved by EIC)	1	No.	2750.00	2750.00
35	S&D of 48" (1200mm) AC Ceiling fan with all accessories. (Make:- Orient PSPO NEWBREEZE / SUMMERCOOL or equivalent of EPC / CROMPTON as approved by EIC)	7	No.	3271.00	22897.00
36	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire. [PWD/GS Page: C-3 Item: 21/a]	8	No.	83.00	664.00

37	S&F of additional safety arrangement of ceiling fan by stranded GI strain wire of suitable gauge with one end fixed at RC clamp with special type of socket, nut-bolts, thimbles which throughly crimped with the strain wire and the wire passing through down rod (for upto 8 ft) and also other end connected with armature spindle by its existing jam nut hole with special arrangement (sample approved by EIC). The length of the strain wire up to 9ft also considering any type of work required i.e. enlarging the existing hole by file etc. to complete the job including installation as per direction of EIC (Static & Dynamic Load Test (in rotation of 1:20) certificate must be provided with final bill jointly with concerned Junior Engineer & authorised Electrical Supervisor of Agency).	8	Item	79.00	632.00
38	Engraving the deptt. number with 10 mm lettering on the body of fan upto 10 letters incl. hifen, stroke or stop (like as PWDES1 0001) [PWD/GS Page: C-3 Item: 24/a]	8	Each	33.00	264.00
39	S&D of Single 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 01 no. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 1xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I -2100lm / equivalent model of Wpro / Crompton as approved by E.I.C)	11	Set	1116.00	12276.00
40	S&D of Double 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 02 nos. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 2xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I -2100lm / equivalent model of Wpro / Crompton as approved by E.I.C)	4	Set	1913.00	7652.00
41	Fixing of single/double tube light fitting incl. all accessories directly on wall with HW block/MS flat (25X6mm) clamp and suitable size MS fastener, Ceiling plate, nipples etc. as required. [PWD/GS Page: C-2 Item: 14/d]	4	Set	201.00	804.00
42	Fixing only single/twin fluorescent light fitting suspended 25 cm below the ceiling with 2 No. 20 mm dia EI conduit (14 SVG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm) flexible copper wire of 1.10 mt. length. [PWD/GS Page: C-2 Item: 17]	11	Set	249.00	2739.00
43	S&F of 10W LED BC Lamp. (Make: Philips or equivalent of Wpro/Crompton as approved by E.I.C)	5	No.	120.00	600.00
	Building Security Light:				
44	Fixing only outdoor / street light light fitting complete with all accessories to be fixed/projected from the wall of the building incl. making holes to building, S&F 40 mm dia GI pipe (ISI-Medium) 1.50 mts. average length, with GI socket at one end and thread at the other end & suitable bend to house the fitting & making necy. connections with S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall and painting. [PWD/GS Page: C-3 Item: 19]	4	Item	904.00	3616.00

45	S&F of GI water proof type looping cable box size 200x150x100 mm deep having 4 mm thick comprising of one 250 V 16 A SP MCB unit, one NL on porcelain insulator, 2 nos. compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive paint. [PWD/GS Page: H-5 Item: 5]	4	Item	573.00	2292.00
46	S&D of outdoor type LED light fitting complete with all accessories having luminous efficacy & system lumens not less than 100 Lm/W & 2500 lumens respectively. (Make : Philips cat no.-BRP029 LED25 CW SLR GR PSU SPD or equivalent of Wipro / Crompton as approved by EIC.]	4	Item	1913.00	7652.00
47	Supply & installation of 06ft X 04ft X 4inch size wall mounted Rectangular Sign Board (matter will be approved by the H&FW authority) would be made with 3mm thick white Acrylic sheet cutting letter to be fixed on 3mm thick ACP Board base including S/F Osram make water proof LED module & SMPS. Structure would be fabricated by 25X25X3mm MS Rectangular Pipe complete with 16SWG 120GSM GI sheet on the back side of the structure as directed by EIC. The board will be fixed on a pre erected iron clamp made by 40X40X5mm equal angle. 25mmX25mmX22SWG stainless steel angle would be fixed with necessary screw on the edge of the ACP board over front fascia. The complete sign board to be fixed on wall above the entrance of building with necessary clamp, nut-bolts & other accessories.	1	Item	15732.00	15732.00
48	S&F of Timer control switch for controlling for Outdoor light & Sign Board made with suitable size MS Sheet duly Power coated paint with IP -43 projection with front door locking arrangement with all connection and comprising with following accessories including necessary connentions and earthing attachment on angle Iron frame on wall / embedding in wall as per instruction of EIC . (Make -L&T/ equivalent of Legrand , Simens). a) 16A DP MCB make -L&T - 1 Nos., b) SPN DB Legrand 2+8 Way Enclosure (607712)-1 nos., c) LK/GIC 67DDTO DIN Rail Digital timer switch, min swithchg time 1min, 25 ON/OFF programs, 6 yrs. battery backup, - 1 nos, d) Two pole Contactor- Type Type MU16-2P with Thermal Overload Release 1 nos . e) LED Gen Next LED indicator (SIL) 16 mm , 240V AC - 1 no, f) 30A rated Three pole terminal bolck -01 nos g) Auto - manual toggle Switch (2-way) - 01 nos, h) Ferule marking & name plate for each Ckt.and Wire 1.5 cu with necessary connection.	1	Item	6993.00	6993.00
49	Supply & Delivery of 1.5 TR capacity 3 or above star rated inverter type ,efficient & tropical -return cooled Rotary Compressor, green refrigerent gas (R32), installation kit , remote with batteries . (Make: Mitshubishi Electric-MSY/MUY-JS18VF/ O-General-ASGG18CGAA-B(R-32) or Similar of Mitshubishi	1	No.	54194.00	54194.00

	Heavy Industries as approved by E.I.C)				
50	Installing, testing and commissioning including the charges for lifting, shifting , scaffolding & all other charges or accessories etc. of wall mounted HI- wall split type air Conditioning Unit up to 2TR with suitable brackets /angle Iron Clamp for supporting the out door unit & other accessories.	1	Item	2682.00	2682.00
51	S & F of 3/8 " + 1/4" Copper refrigerant pipes with 3 core 2.5sq. mm copper Cable thermal insulation with 70 mm nitrile rubber tube insulation and best quality PVC drain pipe with 40 mm best quality tap for wrapping the whole incl fixing arrangement complete with high quality saddle in all respect for 1.5TR to 2TR Split type airconditioner . (excluding supplied with split AC unit)	5	Mtr	1013.00	5065.00
52	Supply & Charging of refrigerent gas as required . (R32/R410A)	0.5	Kg	1013.00	506.50
53	Supplying, fitting & fixing 20mm PVC pipes of approved make of (medium duty) with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, etc. fitted with holder bats clamps, including cutting pipes, making threads,fitting, fixing etc. complete in all respect and two coats of painting with approved paint in any position above ground - for water drainage system of AC machine. (P/S Page: 10 Item: 19(I))	3	Mtr.	154.00	462.00
54	S&F of 240 V, 25A, 3pin modular type plug top without indicator(Brand approved by EIC) & necy. Connections [PWD/GS Page: E-17 Item: 5b]	1	No.	161.00	161.00
55	Online UPS - Input supply: Single Phase, Output Supply : Single Phase Supplying, installation, testing & commissioning of 2KVA capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time, on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch along with provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant Inter-national standards such as IEC/EN/VDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (ITHD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost), extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1) however UPS shall be suitable to take load at 0.7 lagging to 0.7 leading power factor loads. UPS shall be suitable for incoming supply AC single phase 160-	1	Item	42713.00	42713.00

	270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute.				
55.01	Operating temperature 0 to 40 deg C, Relative humidity 0-95% non condensing, noise level less than 60db at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, short circuit, battery deep discharge , 10 KV surge. Display for watt/VA,Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3) . The UPS should be with IGBT Based Inverter Technology, Communication RS232/RS485/SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accoseries are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location etc. (Make :- UPS : APC/ Delta / Schneider and Battery : Exide/ Amara Raja / HBL)				
				Total cost of Electrical Work(B) : Rs.	351964.50
				Total cost of work(A+B)	(25,31,944.28+3,51,964.50)
					2883908.78
				Say	2883909.00

Name of Work- Civil and Plumbing works for Construction of Model AYUSH OPD Building at SAD Nalhati at Kaitha PHC in the district of Birbhum , West Bengal under WBMSCL during the year of 2025-26

Sl. No	Description of Item	Unit	Quantity	Rate (incl. GST & L.Cess)	Amount (incl. GST & L.Cess)
Annexure A (Civil work)					
1	Surface Dressing of the ground in any kind of soil including removing vegetation				

	<i>inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	157.20 0	₹ 11.92	₹ 1,873.82
2	<i>Earth work in excavation of foundation trench in all sorts of soil (including mixed soil but excluding laterite of sand stone) including the spoils with in a lead of 75,m as directed. The includes necessary trimming the sides of trenches leveling dressing and ramming the bottom bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Cu m	25.378	₹ 142.15	₹ 3,607.48
3	<i>Earth work in filling in foundation trenches or plinth with good earth,in layers not exceeding 150 mm. including watering & ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished qty. of work) (a)With earth obtained from excavation of foundation</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Cu m	19.865	₹ 92.42	₹ 1,835.92
4	<i>(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do by fine sand</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Cu m	22.448	₹ 682.37	₹ 15,317.84
5	<i>(a) Anti termite treatment to bottom surface (in case of masonry foundation and basements) and the sides (upto a height of 300 mm. from bottom) of the excavation trenches with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. area. The work shall be carried out as per specification described in 6.2.1. of code IS-6313 (part - II) 1981. (Mode of measurment will be the plan area of foundation treated.)</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	92.628	₹ 112.03	₹ 10,377.11

6	Single Brick flat soling of picked jhama brick including raming and dressing bed to proper level and filling joints with powdered earth or local sand.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	163.396	₹ 317.02	₹ 51,799.80
7	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	71.660	₹ 28.60	₹ 2,049.48
8	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 M15 Grade P.C.C.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Cu m	11.836	₹ 5,638.48	₹ 66,737.05
9	Hire and labour charges for shuttering of requisite thickness inclusive of staging for structural members viz concrete floor/roof slabs in position including horizontal runners horizontal diagonal bracing providing stone vertical props and striking out carefully after completion of works.(height of props upto 4 M).				
	(f) 25 mm to 30 mm shuttering without staging in foundation				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	128.709	₹ 244.32	₹ 31,446.18
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	135.834	₹ 390.91	₹ 53,098.87
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.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Cu m	32.791	₹ 6,244.75	₹ 204,771.60
11	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				

	<i>at every intersection, complete as per drawing and direction.</i>				
	II. JSW/JSPL/SHYAM/SRMB/BMASL/ELECROSTEEL/SSL				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	MT	3.331	₹ 65,829.79	₹ 219,279.03
12	<i>(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)</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	16.320	₹ 306.29	₹ 4,998.65
13	<i>Brick work with 1st class bricks in cement mortar (1:6)</i>				
	<i>(a) In foundation and plinth</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Cu m	8.057	₹ 5,003.23	₹ 40,311.02
	<i>(b) In superstructure, ground floor</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Cu m	23.014	₹ 5,269.00	₹ 121,260.77
14	<i>125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	94.995	₹ 696.65	₹ 66,178.27
15	<i>Extra for using approved H.B netting in every third layer in 16 & 17 of subhead A above in any floor</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	94.995	₹ 48.86	₹ 4,641.46
16	<i>Labour for Chipping of concrete surface before taking up Plastering work.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	148.80 0	₹ 25.03	₹ 3,724.46
17	<i>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 (Groundfloor) . [Excluding cost of chipping over concrete surface]</i>				
	Outside Wall				
	<i>15 mm thick plaster, with (1:6) cement mortar</i>				

	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	242.01 4	₹ 157.97	₹ 38,230.87
	Inside Wall				
	<i>20 mm thick plaster, with (1:6) cement mortar</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	212.92 3	₹ 178.45	₹ 37,996.11
	<i>10 mm thick plaster, with (1:4) cement mortar</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	47.499	₹ 142.48	₹ 6,767.66
18	<i>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 @ 2.91 kg./sq.m. or using polymerised adhesive (6 mm thick layer applied directly over of tiles/epoxy grout material 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). Light Colour.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	48.141	₹ 1,492.77	₹ 71,863.44
19	<i>Supplying,fitting & fixing 1st quality Ceramic tiles in walls to match with the existing work & 4nos of key stones (10mm) fixed with araldite at the back of each tiles & 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.</i>				
	<i>(A) Floor 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. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative</i>				

	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	5.025	₹ 813.33	₹ 4,086.98
	(B) Wall With sand cement mortar (1:3) 15mm thick & 2mm thick cement slurry at back side of tiles using cement @ 2.91kg/sqm & joint filling using white cement slurry @ 0.20kg/sqm. (b) Area of each tile above 0.09 Sq.m (i) Coloured decorative				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	26.355	₹ 1,292.44	₹ 34,062.26
20	(b)Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5 mm thick)				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Sq m	260.42 2	₹ 131.10	₹ 34,141.32
21	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, anodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Anodizing film				
	For 2-Track window : Members for Bottom frame @ 0.875 Kg per Mtr. and for Top and Side frame @ 0.778 Kg per Mtr. and for shutter Bottom and Top member @ 0.472 Kg per Mtr., Style side member @ 0.493 Kg per Mtr. and Interlock member @ 0.612 Kg per Mtr.				
	For Window (W=1200 x 1200) & For Vent (V=600 x 750)				
	<i>Quantity for SAD Nalhathi at Kaitha PHC</i> =	Kg	45.047	₹ 533.93	₹ 24,051.94

22	<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-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</p>				
	(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.)				
	Aluminium Door [size (900 x 2100)] & Aluminium Door Double leaf [size (1200 x 2100)]				
	Quantity for SAD Nalhathi at Kaitha PHC =	Kg	89.107	₹ 458.84	₹ 40,885.86
23	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.				
	(ii) 4 mm. thick coloured/tinted/smoke glass.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	8.100	₹ 557.76	₹ 4,517.86
	(vi) 6 mm. thick coloured/tinted/smoke glass.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	4.095	₹ 787.78	₹ 3,225.96
24	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.				

	<i>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)(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	4.095	₹ 3,430.00	₹ 14,045.85
25	<i>Supplying EPDM gasket of approved make and brandas per direction of Engineer-in-Charge. (i) For sliding windows b) 'U' shaped EPDM gasket for frames.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr	143.10	₹ 17.88	₹ 2,558.63
26	<i>Supplying PVC rollers for sliding windows as per direction of Engineer-in-Charge.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	20.00	₹ 16.69	₹ 333.80
27	<i>Labour charge for fabrication and installation of composite door, window, partitions made from annoidized extruded alloy aluminium sections for the following units :-</i>				
	<i>A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium sections, fabrications, including cutting to proper shape and size drilling and alinging of window and shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and requisite size and fixing the glass as per drawing, specification and direction of Engineer in Charge. The rate including all incidental charges of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excludes the cost of extuded aluminium sections, glass, neoprene/EPDM gasketing, locking arrangement and rollers..</i>				
	<i>(i)2 track sliding window.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	8.100	₹ 829.49	₹ 6,718.87

	<i>B) Partly glazed partly panelled or fully glazed leaf aluminium swing door made of extruded and anodised 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 towerbolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor spring is not used. 10% enhancement of rates to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall,5% rate enhancement may 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 seperately).</i>				
	<i>Door installation</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	<i>Sq m</i>	<i>8.190</i>	<i>₹ 1,526.70</i>	<i>₹ 12,503.67</i>
28	<i>Supplying, Fitting & Fixing Factory made prelaminated P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer"s specification and direction of Engineer-in-Charge.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	<i>Mtr</i>	<i>9.900</i>	<i>₹ 458.84</i>	<i>₹ 4,542.52</i>
29	<i>Supplying, Fitting & Fixing 30 mm thick both side prelaminated Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S.</i>				

	<i>frame with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in- Charge.</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Sq m	3.150	₹ 2,905.61	₹ 9,152.67
30	<i>F) Supplying Zinc powered coated star lock.(Natural White)</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	10.00	₹ 47.67	₹ 476.70
31	<i>Anodised aluminium barrel/tower/socket bolt (full covered) of approved quality manufactured from extruded section conforming to I.S.204/74 fitted and fixed with cadmium plated screws : (iii) 100mm long x 10mm dia. bolt.</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	9.00	₹ 63.17	₹ 568.53
32	<i>(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. (a) Natural Colour</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	14.00	₹ 215.72	₹ 3,020.08
33	<i>i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete (b) Medium (I.S.I. size 2)</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	2.00	₹ 1,628.00	₹ 3,256.00
34	<i>Door stopper (Anodised aluminium)</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	5.00	₹ 83.43	₹ 417.15
35	<i>Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge. i) 150 mm.</i>				
	<i>Quantity for SAD Nalhati at Kaitha PHC =</i>	Eac h	4.00	₹ 450.50	₹ 1,802.00
36	<i>(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. (Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor) (i) Grill weighing above</i>				

	<i>10 Kg./sq.mtr and up to 16 Kg./sq. mtr.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Qntl .	8.904	₹ 11,784.52	₹ 104,929.37
37	<i>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. In ground floor. (Payment will be made on the area of the gate covered by two guard rails and two extreme channels).</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	6.930	₹ 5,160.49	₹ 35,762.20
38	<i>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</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	260.42 2	₹ 36.70	₹ 9,557.49
39	<i>Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (Two coats) i) Standard Quality</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	260.42 2	₹ 73.89	₹ 19,242.58
40	<i>Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per</i>				

	<i>direction of the EIC. In Ground Floor: (a) One Coat</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	242.01 4	₹ 37.42	₹ 9,056.15
41	<i>Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	242.01 4	₹ 100.11	₹ 24,227.97
42	<i>a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	79.805	₹ 34.56	₹ 2,758.06
43	<i>(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing 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)</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	79.805	₹ 94.15	₹ 7,513.64
44	<i>Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Sq m	65.314	₹ 284.85	₹ 18,604.69

45	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]				
	Quantity for SAD Nalhati at Kaitha PHC =	Sq m	33.085	₹ 1,185.16	₹ 39,211.02
46	Supplying & laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].				
	Quantity for SAD Nalhati at Kaitha PHC =	Sq m	5.603	₹ 956.14	₹ 5,357.25
47	Roof treatment by application of non toxic polyurethane modified acrylic based single component (P U Roof Coat) solvent free, cold applied polyurethane modified elastomeric waterproofing membrane with excellent UV resistant capacity as per ASTM D6083fa water based 100% acrylic elastomeric emulsion polymer latex coating used as protective coating for roofs) after preparing the surface by cleaning and repairing the roof cracks by cement & sand mortar (1:4), preferably with :i!: antishrinkage mortar (to be paid separately) if any, apply two coats along with a 5 ~ IPrimingcoat(two coats of P U Roof Coat and one coat of primer coat compatible with Sqm. i main product as per manufacturers specification) and reinforced with or without 20 ~ gsm GeotextileFleece, including the cost of primer coat and basepreparation, tools & IPlantsbut excluding the cost of scaffolding and staging complete as per direction of Engineer -in-charge. (Note: If Geotextile Fleece not used ,the rate would be reduced by Rs. 5/-per Sqm)				
	Quantity for SAD Nalhati at Kaitha PHC =	Sq	3.150	₹	₹

	=	m		512.98	1,615.89
48	<p><i>M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1968 & IS:1161-1998) connected to one another with bracket, gusset, cleat as per design, drawing & direction of Engineer-in-Charge complete including cutting to requisite shape & size, fabrication including metal arc welding conforming to IS: 816-1969 & IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of all M.S. Hollow section, all consumables such as electrodes, gas and hire charges of all tools and plants and labour required for execution and all incidental chages (such as electricity, labour insurance) etc. completei) For Roof Truss Work a) Span upto 12 Mtr.</i></p>				
	Quantity for SAD Nalhathi at Kaitha PHC =	MT	2.201	₹ 86,186.21	₹ 189,695.85
49	<p><i>Supplying, fitting and fixing single skin color coated trapezodial profile for wall clading, Roof shall be made of 0.45 mm BMT (Base Metal Thickness) (0.50 mm TCT (Total coated thickness excluding paint), G550 (min 550 yield strength), of Zincalume metallic coating (ISI5965) with high Solar Reflectance Index (SRI) value for better colling as per thermatech technology, 1000 - 1015 mm effective cover width with five major coating total on both sides, pre- painted with colorbond XRW (xterior roofing, walling) paint system of 35 micron Super Durable Polyster paint (SDP) with stable inorganic picment with no lead contents confirming ISI5965. The sheet shall be free from defects and have brand marking of the manufacturer giving product details on the back of the sheet at regular interval confirming genuinity of the material. i) in Roof (a) 0.5 mm th. Sheet</i></p>				
	Quantity for SAD Nalhathi at Kaitha PHC =	Sq m	102.96 3	₹ 1,067.85	₹ 109,948.51
Annexure B (S & P work)					

50	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. (a) With 'P' trap (with vent)				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	2	₹ 3,699.35	₹ 7,398.70
51	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.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	2	₹ 1,209.68	₹ 2,419.36
52	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. (iii) 630 mm X 450 mm size				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	3	₹ 3,885.27	₹ 11,655.81
53	Supply of UPVC pipes (B Type) & fittings conforming to [S-13592-1992 (A) (ii) Double Socketed 3 Meter Length (b) 110 mm				
	Quantity for SAD Nalhathi at Kaitha PHC =	Metre	28.700	₹ 375.42	₹ 10,774.55
	(B) Fittings				
	xi) Door Bend (T.S.) ii) 110 mm. Dia.				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	8	₹ 175.19	₹ 1,401.52
	xv) Vent Cowl (b) 110 mm				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	3	₹ 39.33	₹ 117.99
	(i) Coupler (b) 110 mm				
	Quantity for SAD Nalhathi at Kaitha PHC =	Each	10	₹ 101.30	₹ 1,013.00
	(ii) Plain Tee, (b) 110 mm				
Quantity for SAD Nalhathi at Kaitha PHC =	Each	7	₹ 101.30	₹ 709.10	
(iii) Door Tee, (b) 110 mm					

	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 232.40	₹ 464.80
	<i>xvi) Pipe Clip</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	45	₹ 25.03	₹ 1,126.35
	<i>xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 169.24	₹ 338.48
	<i>xix) W.C. Connector Bend W / lipring 75 mm</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 189.50	₹ 379.00
	<i>xx) 125/110 P Trap with W.C. Ring, 75 mm</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 405.21	₹ 810.42
	<i>C) Rubber Lubricant 500 ML</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	4	₹ 222.87	₹ 891.48
	<i>D) Solvent Cement 250 ML</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	6	₹ 122.76	₹ 736.56
54	<i>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 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 (ii) 110 mm dia.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr.	28.700	₹ 67.93	₹ 1,949.59
55	<i>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, coats of painting with approved paint in any position above ground. (a) For Exposed Work PVC Pipes</i>				
	<i>i) 15 mm</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr	22.050	₹ 120.37	₹ 2,654.16
	<i>ii) 20 mm</i>				

	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr	12.500	₹ 153.74	₹ 1,921.75
	iii) 25 mm				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr	9.000	₹ 210.95	₹ 1,898.55
	iv) 32 mm				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Mtr	45.000	₹ 281.26	₹ 12,656.70
56	<i>Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.) (vii) 25 mm dia</i>				
	25 mm dia				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	1	₹ 1,086.92	₹ 1,086.92
	32 mm dia				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 1,499.28	₹ 2,998.56
57	<i>Supplying, fitting and fixing bib cock or stop cock.</i>				
	<i>(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	5	₹ 971.32	₹ 4,856.60
58	<i>Supplying, fitting and fixing pillar cock of approved make</i>				
	<i>f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand).</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 1,512.39	₹ 3,024.78
59	<i>Supplying, fitting and fixing shower of approved brand and make</i>				
	<i>(f) Hand Shower(Health Faucet) with Imtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	2	₹ 1,490.94	₹ 2,981.88
60	<i>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. 600 mm long.</i>				
	<i>Quantity for SAD Nalhathi at Kaitha PHC =</i>	Eac h	5	₹ 127.52	₹ 637.60

61	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. (ii) 600 mm X 450 mm				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	3	₹ 576.83	₹ 1,730.49
62	Supplying, fitting & fixing Aluminium domical grating. (iii) 100 mm				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	2	₹ 58.40	₹ 116.80
63	f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	3	₹ 1,260.92	₹ 3,782.76
64	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (c) 1500 litre capacity				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	1	₹ 9,343.71	₹ 9,343.71
65	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L.				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	1	₹ 114.41	₹ 114.41
66	Labour for punching hole in plastic water storage tank upto 50 mm dia.				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	3	₹ 22.64	₹ 67.92
67	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials ii) With Pakur variety (JSW/JSPL/SHYAM/SRMB/BMASL/ELEC ROSTEEL/SSL)				
	Quantity for SAD Nalhati at Kaitha PHC =	Eac h	2	₹ 7,333.15	₹ 14,666.30

68	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick l stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part I. Payment will be made separately on the basis of actual height based on relevant I.S.Code. GC Mark Green Company Certificate</p> <p>ii) With Pakur variety (JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL)</p>				
	(iii) For 30 users septic tank				
	Quantity for SAD Nalhati at Kaitha PHC =	Each	1	₹ 65,454.85	₹ 65,454.85
69	<p>Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. ii) With Pakur variety (JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL)</p>				
	Quantity for SAD Nalhati at Kaitha PHC =	Each	1	₹ 16,564.83	₹ 16,564.83

Annexure C (Borewell)					
70	<i>Labour for boring through any type of soil for sinking tube well of required dia. with top enlargement by rig boring system (either by reserve circulation or by direct rotary method) including hire charges and labour for rig machine, tools and plants, staging, force pumping set and making arrangement for water required for boring etc. complete and lowering of pipes, strainers, blind pipes etc. complete. (a) For depth upto 250 metre for 100 mm dia. Tube well with top enlargement of 200 mm dia.(upto 50 metre).</i>				
	<i>(i) First 50 metre</i>	Mtr.	50.00	₹ 1,208.49	₹ 60,424.50
	<i>(ii) Next 50 metre</i>	Mtr.	50.00	₹ 1,052.36	₹ 52,618.00
	<i>(iii) Next 50 metre</i>	Mtr.	20.00	₹ 1,257.35	₹ 25,147.00
71	<i>Supplying, fitting and fixing PVC pipes for underground work 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 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</i>				
	<i>200 mm dia</i>	Mtr.	30.00	₹ 3,236.93	₹ 97,107.90
	<i>100 mm dia</i>	Mtr.	80.00	₹ 1,384.87	₹ 110,789.60
	<i>40 mm dia Column Pipe</i>	Mtr.	75.00	₹ 370.65	₹ 27,798.75
72	<i>Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications.(iv) 100 mm dia.</i>	Mtr.	10.00	₹ 1,571.98	₹ 15,719.80

73	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (K) End Plug	Each	1	₹ 262.20	₹ 262.20
74	Supplying, fitting and fixing check valve (horizontal) G.M. tested to 21 kg per sq. cm. (v) 40 mm	Each	1	₹ 1,763.86	₹ 1,763.86
75	Supplying, fitting and fixing check valve (vertical) G.M. tested to 21 kg per sq. cm. (v) 40 mm	Each	1	₹ 1,010.65	₹ 1,010.65
76	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (v) 40 mm dia	Each	1	₹ 2,563.56	₹ 2,563.56
77	Supplying, fitting and fixing heavy type bell mouth reducing socket. (iv) 100 mm X 200 mm	Each	1	₹ 1,030.91	₹ 1,030.91
78	Supplying, fitting and fixing G.I. cap at top (iii) 200 mm	Each	1	₹ 670.98	₹ 670.98
79	Supplying, fitting and fixing M.S socket ring (iii) 200 mm	Each	1	₹ 312.25	₹ 312.25
80	Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required.	Day	1	₹ 8,983.79	₹ 8,983.79
81	Labour for making arrangement for showing verticality test including the cost for hire charges of tools and plants, scaffolding, labour etc. all complete.	L.S.	1	₹ 1,091.69	₹ 1,091.69
82	Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction.	L.S.	1	₹ 1,467.11	₹ 1,467.11
83	Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size	Cum	8.300	₹ 2,418.16	₹ 20,070.73

	<i>approved by the Engineer- incharge including cost of all materials labour and equipment complete.</i>				
84	<i>Packing annular space between the outside of the housing pipe and the bore with puddled clay balls of approved size as per direction of the Engineer-in-charge with cost of all materials and labour complete.</i>	Cum	4.230	₹ 496.98	₹ 2,102.23
85	<i>Providing and fixing bell plug as required upto 250 mm (internal) dia. ERWMS pipe including cost of materials and labour complete.</i>	Each	1	₹ 513.67	₹ 513.67
86	<i>Supplying, fitting and fixing 300 mm M.S. housing clamp of approved quality.</i>	Per Set	1	₹ 2,663.67	₹ 2,663.67
87	<i>Providing 200 mm centre guide. i) With Clamp</i>	Per Set	1	₹ 152.55	₹ 152.55
88	<i>Geophysical investigation of the aquifer by electrologging system with all tools and plants as necessary including supply of necessary report.</i>	Each Test	1	₹ 9,828.77	₹ 9,828.77
89	<i>Supplying and laying 4 sq.mm 3 core flat copper PVC submersible cable from starter and controlling panel to the submersible Pump with necessary connection. (M- Finolex, Product code - 17203) Rate approv. by Elect. Deptt.</i>	Mtr	85	₹ 183.54	₹ 15,600.90
90	<i>Single Phase Submersible Pump set A Per Latest BIS (Without Panel Board) Supply and delivery of clear water vertical wet type submersible pump suitable for bore well conforming to IS : 8034 (and as amended thereafter) with standard tuOC fo. potable clear cold water and BEE 3 Star Rated.capable of discharging noted M'/h. against head of water column. The pump shall be directly coupled with a continuous rated 2- pole suitable wet type vertical squirrel cage induction motor. conforming to IS : 9253 (and as amended thereafter), suitable for operation in A-C Single phases 220Y,50H2 (category B motor) 2 HP Stage 20 with Head of 96 Mtr. and discharge 3 Cum per hour with NRV size 38mm.</i>	Set	1	₹ 35,046.07	₹ 35,046.07

91	<p><i>Single Phase Submersible Pump Controller (Microprocessor Based) Without Water Level Control Supply and delivery of direct on line (DOL) strater panel board conforming to ISI3947 and IEC 947 of suitable HP rating for operation in 230V (+10%) AC, single phase, 50HZ(+5yo) comprising of ammeter, voltmeter, thermal overload relay, 2 pole magnetic contactor, under voltage protection, indicating lamp, capacitors, on/off push buttons including 5 way connector, wiring with 1/1.5 sq. mm PVC insulated copper wire, powder coated vermin proof box of following capacities:-iii) 2H.P. (Relay Range 11-18 Amp.)</i></p>	Each	1	₹ 6,084.14	₹ 6,084.14
Total Cost of Civil Work(A) =					₹ 2,529,587.77

Annexure- B (Electrical work)					
Sl. No	Description of Item	Unit	Quantity	Rate (incl. GST & L.Cess)	Amount (incl. GST & L.Cess)
	Main Power Connection				
1	S&D of 1.1 KV Gr. XLPE / PVC Armoured Aluminium Cables of following sizes [Make:- Gloster / Havells / Polycab as approved by E.I.C].				
1.0 1	2 core 6 sq. mm.	50	Mtr.	228.00	11400.00
2	Laying of cable on wall/surface incl. S & F MS saddles with earthing attachment in 1X10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting [PWD/GS Page: F-1 Item: 2(a)]				
2.0 1	Laying of cable upto 2 core 25 sqmm	105	Mtr.	72.00	7560.00
2.0 2	Laying of one No. cable upto 35 sqmm in underground trench 460 mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) Nos. bricks per metre, including filling the space between the brick & cable and also the trench with shifted soil, leveling up and restoring surface duly rammed. [PWD/GS Page: F-2 Item: 1/a]	25	Mtr.	203.00	5075.00
2.0 3	Laying of one No. cable upto 50 sqmm through existing RCC/Hume/GI Pipe/Open masonry trench for 2,3,31/2 & 4 core. [PWD/GS Page: F-4 Item: 3/a]	5	Mtr.	54.00	270.00
3	S & F of compression type brass cable gland complete with brass gland, brass ring & rubber ring for dust & moisture proof entry of XLPE/PVC armoured cable. [PWD/GS Page No.: F-4 Item No.: 7/c]				
3.0 1	2 core 6 sq. mm.	10	Set	85.00	850.00
3.0 2	2 core 10 sq. mm.	6	Set	144.00	864.00

4	Finishing the ends of the XLPE/PVC armoured cables by crimping method incl. S&F solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials. [PWD/GS Page No.: F-5 Item No.: 8/b]				
4.0 1	2 core 6 sq. mm	10	Set	41.00	410.00
4.0 2	2 core 10 sq. mm	6	Set	43.00	258.00
5	S&F of medium gauge 40 mm dia GI Pipe (TATA, ISI-Medium) Protection with necessary fittings and jointing materials as required as per GS. [PWD/GS Page: F-6 Item: 11]	5	Mtr.	307.00	1535.00
Earthing Installation					
6	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S&F of 15 mm dia GI protection pipe (1 Mtr. long) to be filled with Bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level. (For soft Soil: TATA ISI-Medium GI pipe) [PWD/GS Page No.: G-1 Item No.:2/a]	2	Item	1713.00	3426.00
7	Excavation of soil for installation of Earth Electrode and filling & ramming. (Soft Soil) [PWD/GS Page: G-1 Item:1]	5	qpmtr.	269.00	1345.00
8	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos. 12 mm dia holes on the GI pipe. [PWD/GS Page: G-2 Item: 3/a]	2	Item	1145.00	2290.00
9	Extra for treatment of soil by using salt & charcoal or coke for plate electrode. [PWD/GS Page: G-2 Item: 3/b]	2	Item	665.00	1330.00
10	S&F of earth busbar of galvanized (Hot Dip) MS flat on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required. [PWD/GS Page: G-2 Item: 4/a]				
10. 01	S&F of galvanized (Hot Dip) MS flat of size 25 mm x 6 mm	0.5	Mtr.	195.00	97.50
11	Connecting the equipments body to earth busbar including S & F galvanized (Hot Dip) MS flat on wall / floor with GI saddles as required and connection to equipments incl. drilling holes with bolts, nuts, washers etc. [PWD/GS Page:G-3 Item: 5/c]				
11. 01	S&F of galvanized (Hot Dip) MS flat of size 20 mm x 3 mm	10	mtr.	115.00	1150.00
12	Connecting the equipments to earth busbar including S & F 4 SWG GI (Hot Dip) wire of size. [PWD/GS Page:G-2 Item: 5/a]	40	Mtr.	23.00	920.00
Components of Power Distribution System					
13	S&F of (2+4) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for UPS) (Make:- Legrand-607710 / Schneider - A9HSND06 / ABB - ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	Nb.	1484.00	1484.00

14	S&F of (2+8) way double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. (for Power) (Make: Legrand-607711 / similar of Schneider-A9HSND08 / ABB-ITUS as approved by EIC) [PWD/GS Page: D-9 Item:13]	1	Nb.	1848.00	1848.00
15	S&F of 4-way MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment. [PWD/GS Page: D-9 Item: 11]	3	Nb.	395.00	1185.00
16	S&F of 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection as required. (Make:Legrand / Schneider / ABB - as approved by EIC). [PWD/GS Page: D-6 Item: 7]				
16.01	16-32A DP MCB	5	Nb.	683.00	3415.00
16.02	6-32A SP MCB	12	Nb.	238.00	2856.00
	Distribution Wiring Installation				
17	Distn. wiring in 3X22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) in 19 mm bore, 3mm thick PVC rigid pipe complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Make : Anchor) fixed on sheet metal (16 SWG) switch board complete with 2 no. "Ph & N" copper bar and 'L' shaped insulator chair with bakelite/perspex (wall matching colour) top cover (3mm thick) flushed in wall incl. mending good damages to original finish as to GS.				
17.01	On board 5A [PWD/GS Page: E-10 Item: 4/a]	6	Pt.	95.00	570.00
17.02	Average run: 07 Mtrs. [PWD/GS Page: E-9 Item: 2/a]	32	Pt.	1094.00	35008.00
18	Cutting channel of 40 mm x 40 mm size on masonry wall incl. S&F heavy gauge 19mm PVC Rigid pipe by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building works [PWD/GS Page: E-2 Item: 3/a]	160	Mtr.	109.00	17440.00
19	S&D of 1.1 KV Grd. single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Make :- Finolex / KEY / Polycab as approved by EIC) of the following sizes in the prelaid PVC Rigid pipe and by the prelaid GI fish wire and making necy. connection as required [PWD/GS Page: E-09 Item: C/1]				
19.01	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	55	Mtr.	60.00	3300.00
19.02	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC	90	Mtr.	81.00	7290.00
19.03	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	15	Mtr.	119.00	1785.00
20	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. [PWD/GS Page: F-5 Item: 9]				

20.01	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm)	12	Set	23.00	276.00
20.02	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm)	2	Set	25.00	50.00
21	S&F of Electronic Socket type fan regulator (Step type) (Brand approved by E.I.C) on existing switch board with backlight top cover after making housing for regulator knob by cutting backlight top cover including making necessary connections. [PVD/GS Page: E-6 Item: 18/a]	8	Nb.	295.00	2360.00
22	S&F of 250 V AC/DC superior type Call Bell (Anchor) on HW board incl. S&F HW board [PVD/GS Page: D-13 Item: 20]	1	Nb.	216.00	216.00
Switch-Sockets & Enclosure with MCB					
23	S&F of 240 V 01 no. 5-pin 6A flush type plug socket with 01 no. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. [PVD/GS Page: E-6 Item: 21]	2	Nb.	255.00	510.00
24	S&F of 240 V 02 nos. 5-pin 6A flush type plug socket with 02 nos. 6 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 175x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PVD/GS Page: E-4&5, Item: 11/c, 12/c & 14/a,15/a)	1	Nb.	413.00	413.00
25	S&F of 240 V 01 no. 5-pin 20A flush type plug socket with 01 no. 20 A Piano key type switch (Anchor) on sheet metal box embedded in wall incl. S & F of 150x100x65mm MS Switch Board (16SWG) and bakelite/perspex top cover of 3mm thick by brass screws after making housing for switches by cutting bakelite/perspex cover and making necessary connections as required with earthing attachmen. (PVD/GS Page: E-6, Item: 22)	5	Nb.	359.00	1795.00
26	S&F of 240 V, 3 nos. 6A & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch, indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite top cover of 3mm thick and making necessary connections as required [PVD/GS Page: E-7 Item: 26]	1	Nb.	941.00	941.00
27	S&F of UPS connection switch board comprising with 250 V 02 nos. 5 Pin 20A flush type plug socket with 02 nos. 20A Piano key type (Anchor) switch on 200x150x65mm sheet metal box with bakelite top cover(3mm thick) and one 25A DP MCB type changeover switch with din rail on same metal box embedded in wall by cutting bakelite/perspex cover and making necessary connections as required. [PVD/GS Item: (E4/11d + E4/12d + E5/14b + E5/15b + D7/9)]	1	set	1820.00	1820.00
28	S&F of 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire	1	Nb.	981.00	981.00

	etc. [PWD/GS Page: E-19 Item: 17]				
29	S&F of 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) without plug top on 2 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [PWD/GS Page: E-17 Item: 2/a, 4/b]	1	Nb.	418.00	418.00
Fan Fittings & other accessories					
30	S&F of MS fan clam of two piece type for RC ceiling as per approved specification, fabricated from 40 mm x 9 mm MS flat including making good damages to building roof with satisfactory finishing and painting--(As per Drawing no. 475 of PWD Specification Book – May 1991) [PWD/GS Page:D-14 Item: 29]	8	Nb.	303.00	2424.00
31	S& D of heavy duty metal 9" Sweep, 1370 rpm A.C Exhaust fan. [Make EPC or similar of ORIENT/Crompton as approved by E.I.C]	3	Nb.	2630.00	7890.00
32	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust [PWD/GS Page: C-4, Item: 28]	3	Nb.	309.00	927.00
33	S&F of 23 cm (9") Al louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) [PWD/GS Page: D-14, Item: 32/a]	3	Nb.	190.00	570.00
34	S&D of 42" (1050 mm) AC Ceiling fan with all accessories. (Make: Orient PSPO NEW AIR PLUS or equivalent of EPC / CROMPTON as approved by EIC)	1	Nb.	2750.00	2750.00
35	S&D of 48" (1200mm) AC Ceiling fan with all accessories. (Make:- Orient PSPO NEWBREEZE / SUMMERCool or equivalent of EPC / CROMPTON as approved by EIC)	7	Nb.	3271.00	22897.00
36	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire. [PWD/GS Page: C-3 Item: 21/a]	8	Nb.	83.00	664.00
37	S&F of additional safety arrangement of ceiling fan by stranded GI strain wire of suitable gauge with one end fixed at RC clamp with special type of socket, nut-bolts, thimbles which thoroughly crimped with the strain wire and the wire passing through down rod (for upto 8 ft) and also other end connected with armature spindle by its existing jam nut hole with special arrangement (sample approved by EIC). The length of the strain wire up to 9ft also considering any type of work required i.e. enlarging the existing hole by file etc. to complete the job including installation as per direction of EIC (Static & Dynamic Load Test (in rotation of 1:20) certificate must be provided with final bill jointly with concerned Junior Engineer & authorised Electrical Supervisor of Agency).	8	Item	79.00	632.00
38	Engraving the deptt. number with 10 mm lettering on the body of fan upto 10 letters incl. hifen, stroke or stop (like as PWDES1 0001) [PWD/GS Page: C-3 Item: 24/a]	8	Each	33.00	264.00
39	S&D of Single 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 01 no. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 1xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I	11	Set	1116.00	12276.00

	-2100lm / equivalent model of Wipro / Crompton as approved by E.I.C)				
40	S&D of Double 4ft T-8 LED Batten tube light fitting complete with all accessories incl. 02 nos. 18/20 W master tube lamp. [Make:- Philips, Cat No. TMC 502 2xT-LED 22W & MAS LED Tube 1200mm 18W 865 T8-I -2100lm / equivalent model of Wipro / Crompton as approved by E.I.C)	4	Set	1913.00	7652.00
41	Fixing of single/double tube light fitting incl. all accessories directly on wall with HW block/MS flat (25X6mm) clamp and suitable size MS fastener, Ceiling plate, nipples etc. as required. [PWD/GS Page: C-2 Item: 14/d]	4	Set	201.00	804.00
42	Fixing only single/twin fluorescent light fitting suspended 25 cm below the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length. [PWD/GS Page: C-2 Item: 17]	11	Set	249.00	2739.00
43	S&F of 10W/LED BC Lamp. (Make: Philips or equivalent of Wipro/Crompton as approved by E.I.C)	5	No.	120.00	600.00
	Building Security Light:				
44	Fixing only outdoor / street light light fitting complete with all accessories to be fixed/projected from the wall of the building incl. making holes to building, S&F 40 mm dia GI pipe (ISI-Medium) 1.50 mts. average length, with GI socket at one end and thread at the other end & suitable bend to house the fitting & making necy. connections with S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall and painting. [PWD/GS Page: C-3 Item: 19]	4	Item	904.00	3616.00
45	S&F of GI water proof type looping cable box size 200x150x100 mm deep having 4 mm thick comprising of one 250 V 16 A SP MCB unit, one NL on porcelain insulator, 2 nos. compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive paint. [PWD/GS Page: H-5 Item: 5]	4	Item	573.00	2292.00
46	S&D of outdoor type LED light fitting complete with all accessories having luminous efficacy & system lumens not less than 100 Lm/W & 2500 lumens respectively. (Make : Philips cat no.-BRP029 LED25 CW SLR GR PSU SPD or equivalent of Wipro / Crompton as approved by EIC.]	4	Item	1913.00	7652.00
47	Supply & installation of 06ft X 04ft X 4inch size wall mounted Rectangular Sign Board (matter will be approved by the H&FW authority) would be made with 3mm thick white Acrylic sheet cutting letter to be fixed on 3mm thick ACP Board base including S/F Osram make water proof LED module & SMPS. Structure would be fabricated by 25X25X3mm MS Rectangular Pipe complete with 16SWG 120GSM GI sheet on the back side of the structure as directed by	1	Item	15732.00	15732.00

	EIC. The board will be fixed on a pre erected iron clamp made by 40X40X5mm equal angle. 25mmX25mmX22SWG stainless steel angle would be fixed with necessary screw on the edge of the ACP board over front fascia. The complete sign board to be fixed on wall above the entrance of building with necessary clamp, nut-bolts & other accessories.				
48	S&F of Timer control switch for controlling for Outdoor light & Sign Board made with suitable size MS Sheet duly Power coated paint with IP -43 projection with front door locking arrangement with all connection and comprising with following accessories including necessary connentions and earthing attachment on angle Iron frame on wall / embedding in wall as per instruction of EIC . (Make -L&T/ equivalent of Legrand , Simens). a) 16A DP MCB make -L&T - 1 Nos., b) SPN DB Legrand 2+8 Way Enclosure (607712)-1 nos c) LK/GIC 67DDTO DIN Rail Digital timer switch, min swithchg time 1min, 25 ONOFF programs, 6 yrs. battery backup, - 1 nos, d) Two pole Contactor- Type Type MJ16-2P with Thermal Overload Release 1 nos . e) LED Gen Next LED indicator (SIL) 16 mm , 240V AC - 1 no, f) 30A rated Three pole terminal bolck -01 nos g) Auto - manual toggle Switch (2-way) - 01 nos, h) Ferule marking & name plate for each Ckt.and Wire 1.5 cu with necessary connection.	1	Item	6993.00	6993.00
49	Supply & Delivery of 1.5 TR capacity 3 or above star rated inverter type ,efficient & tropical -return cooled Rotary Compressor, green refrigerent gas (R32), installation kit , remote with batteries . (Make: Mitshubishi Electric-MSY/MUY-JS18VF/ O-General-ASGG18CGAA-B(R-32) or Similar of Mitshubishi Heavy Industries as approved by E.I.C)	1	Nb.	54194.00	54194.00
50	Installing, testing and commissioning including the charges for lifting, shifting , scaffolding & all other charges or accessories etc. of wall mounted Hi- wall split type air Conditioning Unit up to 2TR with suitable brackets /angle Iron Clamp for supporting the out door unit & other accessories.	1	Item	2682.00	2682.00
51	S & F of 3/8 " + 1/4" Copper refrigerant pipes with 3 core 2.5sq. mm copper Cable thermal insulation with 70 mm nitrilel ruber tube insulation and best quality PVC drain pipe with 40 mm best quality tap for wrapping the whole incl fixing arrangement copmlete with high quality saddle in all respect for 1.5TR to 2TR Split type airconditioner . (excluding supplied with splite AC unit)	5	Mtr	1013.00	5065.00
52	Supply & Charging of refrigerent gas as required . (R32/R410A)	0.5	Kg	1013.00	506.50
53	Supplying, fitting & fixing 20mm PVC pipes of approved make of (medium duty) with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, etc. fitted with holder bats clamps, including cutting pipes, making threads,fitting, fixing etc. complete in all respect and two coats of painting with approved paint in any position above ground - for water drainage system of AC machine. (P/S Page: 10 Item: 19(I))	3	Mtr.	154.00	462.00
54	S&F of 240 V, 25A, 3pin modular type plug top without indicator(Brand approved by EIC) & necy. Connections	1	Nb.	161.00	161.00

	[PWD/GS Page: E-17 Item: 5b]				
55	<p>Online UPS - Input supply: Single Phase, Output Supply : Single Phase Supplying, installation, testing & commissioning of 2KVA capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time, on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch along with provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant Inter-national standards such as IEC/EN/VDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (ITHD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost), extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1) however UPS shall be suitable to take load at 0.7 lagging to 0.7 leading power factor loads. UPS shall be suitable for incoming supply AC single phase 160-270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute.</p>	1	Item	42713.00	42713.00
55.01	<p>Operating temperature 0 to 40 deg C, Relative humidity 0-95% non condensing, noise level less than 60db at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, short circuit, battery deep discharge , 10 KV surge. Display for watt/VA,Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3) . The UPS should be with IGBT Based Inverter Technology, Communication RS232/RS485/SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accoseries are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location etc. (Make :- UPS : APC/ Delta / Schneider and Battery : Exide/ Amara Raja / HBL)</p>				
	Total cost of Electrical work(B) : Rs.				354464.00
	Total cost of Electrical work(A+B) : Rs.				(25,29,587.77+354 464)
				Say	2,884,051.77

Issued to (Bidder):

Postal Address with Contact No. & e-mail

Price – Free of Cost

West Bengal Form No. 2911

Applicable For Works of value up to Rs 25 (Twenty Five) Crore

Tender No. _____, **Sl. No.** _____ **of** _____ **(Year)**

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

(A) Applicable for off-line tenders up to Tender Value of Rs. 5.0 lakh

1. All work proposed for execution by contract will be notified in the form of invitation to tender posted in concerned departmental website, e-procurement portal of the Government of West Bengal (<https://wbtenders.gov.in>) and to be published in local news paper for wide circulation also in the notice boards at public places signed by the Tender Inviting Authority.

This form will state the work to be carried out, the date for submitting and opening of tenders as well as the time allowed for carrying out the work; also the amount of earnest money to be deposited with the tender, the amount of security deposit to be deposited by the successful bidder and the percentage, if any, to be deducted from bills. Copies of the specification, design & drawings and other documents required in connection with the work, signed for the purpose of identification by the Authority inviting Tender shall also be open for inspection by the contractor at the office of the Tender Inviting Authority during Office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each member thereof, or, in the event of absence of any of the partners, it must be signed on his/her behalf by a person holding a Power-of-Attorney authorizing him/her to do so. Such power-of-attorney is to be produced with the tender, and in the case of a firm carried on by one member of a joint family; it must disclose that the firm is duly registered under the Indian Partnership Act.

3. Acceptance of measurements entered and bills raised on account of a work, when executed by a firm, must also be signed by the several partners, except where the contractors are described in their tender as a firm in which case the receipts must be signed in the name of the firm by one of the partners or by some other person having authority to give effectual receipt for the firm.

4. Any person who submits a tender shall fill up the usual printed form, stating at what rate he or she is willing to undertake the work. Tenders which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit a separate tender for each. Tenders shall have the name and number of the work to which they refer, written outside the sealed envelopes.

5. The Tender Inviting Authority or his/her duly authorized representative will open tenders in presence of intending contractors/bidders who may be present at the time, and

will enter the bid amounts as percentage rates above or below or at par of the tender BOQ of several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt shall thereupon be given to the contractor/bidder who shall thereupon for the purpose of identification, sign copies of specifications and other documents mentioned in the Rules. In the event of a tender being rejected, the earnest money with such unaccepted tender shall be refunded within 10 days from the date on which the tender is decided, provided the contractor(s) present himself/herself before the Tender Inviting Authority to take the earnest money refund.

6. The accepting authority reserves the right to reject any or all of the tenders without assigning any reasons to the participating bidders and he/she will not be bound to accept either the lowest tender or any of the other tenders.

7. Receipt of an accountant or clerk for any money paid by the contractor/bidder will not be considered as an acknowledgement of payment to the Tender Inviting Authority and the contractor shall be responsible for ensuring that he/she procures a receipt signed by the Tender Inviting Authority, or a duly authorized representative.

8. The Memorandum of work tendered for, and the schedule of materials to be supplied by the executing Department at their supply/issue rates, shall be filled in and completed in the office of the Tender Inviting Authority before the tender form is issued. If a form is issued to an intending bidder/contractor without having been so filled in and completed, he/she shall request the office to have this done before he/she completes and delivers his/her tender.

(B) Applicable for e-tenders of value above Rs. 5.0 Lakh

1. All works of tender value above Rs. 5.00 lakh proposed for execution through this contract document are to be notified and published in the form of notice inviting e-tender (e-NIT) in the designated official tender website of Government of West Bengal having URL <https://wbtenenders.gov.in>, and uploaded simultaneously in the URL of concerned Department inviting Tenders. Thus the tender may be seen and downloaded by logging into the “e-procurement” link provided therein, digitally signed by the concerned Tender Inviting Authority and its corresponding abridged notice also published on the same date in the print media.

2. This e-Notice Inviting Tender (e-NIT) will state the work to be carried out, the date for encrypting (submitting) and decrypting (opening) of e-tenders, the time allowed for carrying out the work; amount of earnest money to be deposited with the e-tender; procedure for submission of EMD, amount of security to be furnished by the successful bidder/contractor, security/ performance security to be deducted from running account bills, copies of specifications, Bill of Quantities, design and drawings and any other document required in connection with the work, digitally signed for the purpose of identification by the Tender Inviting Authority.

3. Intending contractors/bidders are required to download the e-tender documents directly from the website stated above. Tender is required to be submitted online by the intending bidders by authorized e-Tokens provided as DSC. This is the only mode of e-submission of tender and document(s). All information posted in the website consisting of e-NIT, WB Form No. 2911, Tender Bill of Quantities (BOQ), corrigenda notices and drawings etc., if any, shall form part of the Contract. Details of procedure of submission have been explained under “General Terms & Conditions” and Annexure attached with the notice of e-tender (e-NIT).

4. All the documents uploaded by the Tender Inviting Authority forms an integral part of the tender contract/agreement. Contractors/bidders are required to upload the entire set of tender documents along with other related documents as asked for in the e-tender through the above website(s) within the stipulated date and time as given in the e-NIT. Tenders are to be submitted in two folders at a time for each work, one being the ‘Technical Bid’ and the other ‘Financial Bid’. The contractor/ bidder shall carefully go through all the documents and prepare to upload the scanned documents in Portable Document Format (PDF) in the designated link in the web portal as their Technical Bid. He/she needs to fill up the rates of items/percentage in the BOQ downloaded for the work in the designated cell and upload the same again in the designated link in the portal as their Financial Bid. Documents uploaded are virus scanned and digitally signed using the Digital Signature Certificate (DSC). Contractors/bidders should especially take note of all

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 successions in office, without prejudice to any other rights or remedies of the said Governor or his successions 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://wbttenders.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 10% 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 10% of the tendered value of work actually done.

In case of excess/and supplementary work over the tendered amount, additional security @ of 10% 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 of 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.

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.

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

Payments of contractor's bills to Banks

Stores supplied by Government

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 form 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 Contactor 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 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 Executive Engineer/
Assistant Engineer
 on behalf of the Governor of the
 State of West Bengal with official seal
 containing designation & address

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