Government of West Bengal
Office of the Chief Medical Officer of Health
and the Secretary of DH&FWS, North 24 Parganas
Barasat, Banamalipur, Jossore Road, Kolkata - 700124,
Ph. No.2552-3129, E-mail: north24pgscmoh@gmail.com

Memo No: CMOH/N24PGS/ ENG-E/ 3902 **Date:** 21**/04/2022**

N.I.T.No. – 01/ENG OF 2022-23

Sealed tenders are hereby invited by the Secretary, District Health & Family Welfare Samiti & C.M.O.H, Barasat, North 24 Parganas from bonafide, resourceful and responsible contractors/ agencies for the Electrical Installation Work in the tender drop box of the undersigned office. The work is mentioned at below-

Sl. No	**Name of Work**	**Estimated Cost (Including 12% GST, 1% L.W.Cess)**	**Earnest Money**	**Time of Completion** (Counted from the date of issuance of Work Order)
1	E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded **7 Nos. HWC** of different block under N24Pgs. **Amdanga :**	Rs. 3,88,101/-	Rs.7,762/-	30 Working Days
2	E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded **9 Nos. HWC** of different block under N24Pgs. **Barasat- I :**	Rs. 4,98,987/-	Rs.9,980/-	30 Working Days
3	E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded **7 Nos. HWC** of different block under N24Pgs. **Barasat- I :**	Rs. 3,88,101/-	Rs.7,762/-	30 Working Days

Padmalavpur	Mathura	Rajberia
Rampur	Kamdevpur	Chankia
Kanchiara		

Jafrabad	Mayna	Chaltaberia
Kalsara	Kulberia	Faldi
Narayanpur	Nebadhui	Barbaria

Bora	Subhashnagar	Taldaria
Pansila	Purba Khilkapur	Salarhat
Bamangachi		

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<table>
<tr><td>4</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 8 Nos. HWC of different block under N24Pgs.
Barasat- I:<table><tr><td>Algoria</td><td>Baradigha</td><td>Gangapur</td><td>Khorki</td></tr></table>Barasat- II:<table><tr><td>Pakdah</td><td>Dudhia</td><td>Chowmoha</td><td>Galasia</td></tr></table></td><td>Rs. 4,43,544/-</td><td>Rs.8,871/-</td><td>30 Working Days</td></tr>
<tr><td>5</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 9 Nos. HWC of different block under N24Pgs.
Barasat- II:<table><tr><td>Baidyapur</td><td>Banspole</td><td>Madanpur</td></tr><tr><td>Rohanda</td><td>Tegharia</td><td>Chaksashan</td></tr><tr><td>Singhapara</td><td>Krishnamati</td><td>Perkhari beria</td></tr></table></td><td>Rs. 4,98,987/-</td><td>Rs.9,980/-</td><td>30 Working Days</td></tr>
<tr><td>6</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 9 Nos. HWC of different block under N24Pgs.
Barrackpore- I:<table><tr><td>Giridhari</td><td>Kampa</td><td>Palladaha</td></tr><tr><td>Bhabagachi</td><td>Devok</td><td>Shibdashpur</td></tr><tr><td>Salidaha</td><td>Mahabatiara</td><td>Kawgachi</td></tr></table></td><td>Rs. 4,98,987/-</td><td>Rs.9,980/-</td><td>30 Working Days</td></tr>
<tr><td>7</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 8 Nos. HWC of different block under N24Pgs.
Barrackpore- I:<table><tr><td>Paltapara</td><td>Malanch</td></tr></table>Barrackpore- II:<table><tr><td>Mohanpur Sadar</td><td>Patulia Sadar</td><td>Karnamadhabpur</td></tr><tr><td>Dangadighila</td><td>Apurbanagar</td><td>Shiuli Sadar</td></tr></table></td><td>Rs. 4,43,544/-</td><td>Rs.8,871/-</td><td>30 Working Days</td></tr>
<tr><td>8</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 6 Nos. HWC of different block under N24Pgs.
Bongaon:<table><tr><td>Ganganandapur</td><td>Kharua Rajpur</td></tr></table>Gaighata:<table><tr><td>Dingamanik</td><td>Bagna</td><td>Tili</td></tr></table>Bagdah:<table><tr><td>Kurulia</td></tr></table></td><td>Rs. 3,38,622/-</td><td>Rs.6,772/-</td><td>30 Working Days</td></tr>
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Sd/-

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<tr><td>9</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 7 Nos. HWC of different block under N24Pgs.
Habra- I:<table><tr><td>Nakpul</td><td>Sadpur</td><td>Mathurapur</td></tr><tr><td>Bamihati</td><td>Janapul</td><td></td></tr></table>Barrackpore- II:<table><tr><td>Jagberia</td><td>Babanpur</td></tr></table></td><td>Rs. 3,88,101/-</td><td>Rs.7,762/-</td><td>30 Working Days</td></tr>
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Habra- II:<table><tr><td>Dighra</td><td>Tangra</td><td>Maniknagar</td></tr><tr><td>Tajpur</td><td>Nurpur</td><td>Bhatsala</td></tr><tr><td>Beraberi</td><td>Bagpole</td><td>Hizlia</td></tr></table></td><td>Rs. 4,98,987/-</td><td>Rs.9,980/-</td><td>30 Working Days</td></tr>
<tr><td>12</td><td>E.I. work for preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY: 2021-22 at existing upgraded 8 Nos. HWC of different block under N24Pgs.
Rajarhat:<table><tr><td>Ghuni Jatragachi</td><td>Ganragori</td><td>Mohammadpur</td></tr><tr><td>Champagachi</td><td>Bidyadharur</td><td>Nababpur</td></tr></table>Deganga:<table><tr><td>Belgachia</td><td>Champatala</td></tr></table></td><td>Rs. 4,43,544/-</td><td>Rs.8,871/-</td><td>30 Working Days</td></tr>
</table>

Date of publication of 'Tender Notice'	Last date of Dropping of 'Sealed Tenders'	Date of opening of 'Technical Bid'	Date of opening of 'Financial Bid'
21.04.2022	29.04.2022 up to 14:00 hrs.	29.04.2022 on 15:00 hrs. at CMOH Chamber	29.04.2022 on 16:00 hrs. at CMOH Chamber

Terms and Conditions

1. The interested agencies have to collect their all relevant tender document from www.north24parganashealth.org and www.wbhealth.gov.in only.
2. All intending bidders must submit their sealed Tender documents in two separate envelopes for Technical and Financial bids, super-scribed with the addressee, NIT No.,

Sd/-
Chief Medical Officer of Health &
Secretary, DH&FWS, North 24 Parganas

Job detail (Sl No.) & Agency details is to be dropped in the tender drop box kept in the office of the undersigned on scheduled date and time. **A single bidder will be allowed to bid for 3 (Three) Sl. No.(s) at most.**

3. Earnest money against the work @ **2.0%** of the total value of work in form of **Demand Draft** of a Nationalized Bank in favor of the **"District Health and Family Welfare Samiti North 24 Parganas, Payable at Barasat".**

4. **Technical Bid must contains** Earnest Money Demand Draft, Self-declaration form (**Annexure-B**), PAN Card, I.T return of AY- 2021-22, up-to-date payment of Professional Tax challan, GST registration certificate, Valid Trade license (for electrical works), Electrical license, Supervisory Certificate of competency (SCC) in parts 1, 2, 11, 6A or equivalent National Supervisors Certificate of competency, and Bye-Laws for Engineer Co-operative/ Labour Co-operative society and credential showing satisfactory completion of one work of similar nature in any Govt. Department commencing not older than 5 years from the date of publication of this N.I.T of value **not less than 40%** of the estimated cost put to tender.

N.B. :

- Separate credential needs to be submitted for each Sl No of work.
- Completion Certificate should contain a) Name of Work b) schedule of work c) Name of Client d) Amount put to tender e) Schedule date of completion f) Actual date of completion g) Date of Payment h) Amount Paid. The certificate shall be issued by the competent authority who issued the 'Work Order' on behalf of the organization.
- For supplier/any other contractor may also participate in tender with execution of MOU/Agreement (duly notarized0) with Electrical contractor having valid Electrical Contractor License along with authorized supervisor. In that case the bidder will have to submit MOU/agreement (duly Notarized), Electrical contractor License, SCC & Engagement letter of Supervisor. More than one prime agency is not allowed to execute MOU/ Agreement with same electrical contractor. Rest all terms and condition will remain same for them.
- Self-attested copies of all requisite documents need to be submitted.
- Registered Partnership Deed (for Partnership Firm only) along with Registered Power of Attorney to be submitted.

5. **Financial bid contains** NIT, Estimate and financial bid document paper. The quoted rate should be in percentage basis, both in figures and in words as per **Annexure-A**.

6. As per GO No 4608-F(Y), Dt. 18.07.2018 from Govt. of W.B. Finance Dept.(Audit Branch), the eligible bidder have to submit addition performance security @ 10% of tender amount if the accepted bid value is 80% or less of the estimate put to tender. The addition performance security shall be submitted in the form of bank guarantee from any nationalized bank within 7 working days from the date of issuance of letter of acceptance, if failed his EMD will be forfeited and other necessary actions like blacklisting of the contractor, etc. may be taken.

7. The bank guarantee will be returned after successful completion of the work. If the bidder fails to complete the work successfully the bank guarantee will be forfeited at any time during the pendency of the contract period after serving proper notice to the contractor.

8. The selected agency have to collect PWD Tender Form No. 2911 from the Engineering section of the undersigned and the same have to be submitted after properly filling-up within 7(Seven) days from the date of receipt of the work order.

Sd/-

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9. Agency who failed to execute work order issued by this office earlier within the time period mentioned in such work and/or whose performance found to be unsatisfactory against work order(s) issued by this office during last two financial year, their bid against this NIT may not be considered for technical evaluation.

10. The authority will not take any responsibility against the amount deposited for earnest money in case of non-submission of bid against the said NIT. In connection with these works, no Arbitration will be allowed.

11. Incomplete tender will be rejected summarily.

12. The work will be executed under the supervision of the engineering section of DPMU. The bidders may collect detail works from the engineering section of DPMU.

13. The offered rate should be inclusive of charges such as royalty & cess, toll charge, carriage, re-carriage, GST etc. No mobilization / secured advance will be allowed.

14. The contractor shall have to carry out work with his own equipment and machinery.

15. The successful tenderer shall have to start the work within **7(seven)** days from the date of receipt of the work order and the work should be completed within the stipulated time failing which the earnest money may be forfeited and work order will be treated as cancelled.

16. Acceptance of lowest tender is not obligatory & the undersigned reserves the right to accept any tender or to reject any or all tenders at any stage without assigning any reason and to split up tender work's to more than one contractor in the interest of speedy execution of the work. The undersigned reserves the right to alter the terms and condition of this notice at any time in the interest of public service.

17. Constructional **Labour Welfare Cess @ 1(one) % of cost of construction will be deducted** from every Bill of the selected agency. GST will be allowed as applicable as per Govt. rule.

18. As per GO No 201-F(Y), Dt. 18.01.2021 from Govt. of W.B. Finance Dept.(Audit Branch), Security deposit @ **3 (Three) %** of cost of work will be deducted from each & every bill of the selected agency.
The Total security deposit shall be refunded to the contractor on expiry of **one year** from the actual date of completion of the work. No interest should be given on the earnest money & security money; only the Labour Co-Operative Societies are exempted from paying Earnest Money.

19. **Bids shall remain valid** for a period not less than **120 (One Hundred Twenty) days** from the last date of submission of bid. If the bidder withdraws the bid during the period of bid validity the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.

20. The Earnest money deposited will be forfeited by the Secretary, DH & FW Samiti & C.M.O.H, Barasat, North 24 Parganas in case:-
    (i) The Tenderer withdraws tender after opening or acceptance.
    (ii) The selected Tenderer fails to accept order, refuses either wholly or partly the offer that would be made by the undersigned.
    (iii) The selected Tenderer fails to execute their assigned work within the date stipulated in the work order.
    (iv) Withdrawal of Bid

21. Schedule of work /supply will be prepared and measured as per approved P.W.D (W.B) schedule of Rates, Effective from November 2017 with all amendments.

22. The undersigned reserves the right to forfeit the Earnest money and security deposited in the event of any short of breach of contract.

Sd/-

Chief Medical Officer of Health &
Secretary, DH&FWS, North 24 Parganas

23. Contractor should put their firms/organization endorsement (signature of authorized signatory with official stamp) on each page of all the tender documents.

24. Contractors will note that non-compliance of any of the instruction is liable to render there, tender will be non-bona-fide.

25. All kinds of materials and labour related to the job will have to be arranged by the contractor and to be got approved by the engineering section before their use. The contractor at his own cost shall remove the rejected materials/ workmanship from site within 24 hours.

26. The contractors at his cost shall store all the materials which will be used for the work.

27. If the Engineer in charge/Authorized Officer of employer finds that the works delayed by reason beyond the control of the contractor, the Engineer in Charge / Authorized Officer after subjecting the approval of CMOH will make a fair and reasonable extension of time for completion of contract with written approval.

28. The payment of the agency will be released after issuance of work-done satisfactory received from the concerned authority.

29. Contractor have taken requisite "All Risk Insurance Policies" to cover workman under Workman Compensation Act, loss / damage caused by natural calamities / accident /accidental collapse of partially completed work, materials and plant at site and for third party claims for injury / damages.

30. Before taking initiation of any extra item/excess quantity during the work, the same should be got approved by Engineer in charge/Authorized Officer. Payment should be made as per PWD schedule of rate effected from November, 2017 but any extra demand from the work order amount as per tender will not be entertained.

31. Due to work at Hospital the Contractors / agencies will be responsible for work at emergency basis and urgently finishing the work. All materials must be P.W.D. schedule specified, Engineer in charge may ask for test certificates for quality control. The agency/contractor must be carrying the cost of the said test without any claim.

21/04/2022

Chief Medical Officer of Health &
Secretary, DH&FWS, North 24 Parganas

Memo No: CMOH/N24PGS/ ENG-E/ 3902/1(13) **Date:** 21/04/2022

Copy forwarded for kind information and necessary action regarding vast publication to:

1. The District Magistrate, North 24 Parganas.
2. The PO, NHM & Deputy Secretary, H&FWS, Govt. of W.B.
3. The Officer – In –Charge of Health, N24 Pgs.
4. The Executive Engineer of North 24 Parganas Electrical Division., P.W.D.te.
5. The Dy. CMOH-I, Nodal Officer, North 24 Pgs.
6. The Dy. CMOH-II/ Dy. CMOH-III/ NUHM NODAL/DMCHO/DTO, N24 Pgs.
7. The ACMOH of respective Sub-Division, N24Pgs.
8. The BMOH of respective Block, N24Pgs.
9. The Account Officer & Treasurer of CMOH office, N24Pgs.
10. The Admin. Officer, CMOH office, N24Pgs.DPMU-NHM 0/0: CMOH & DH&FWS, N24Pgs.
11. The IT Cell, Swasthya Bhawan. **(Requested to upload this notice in the official website of H&FW Dept., of Govt. of WB.)**
12. Notice Board.
13. Office Copy.

21/04/2022

Chief Medical Officer of Health &
Secretary, DH&FWS, North 24 Parganas

ANNEXURE-A

Sd/-
Secretary
District Health & Family Welfare Samiti
& Chief Medical Officer of Health
North 24 Parganas

Financial Bid Document

Name of Agency: .....

Address:.....

.....

N.I.T No.....of 20....- 20....Vide Memo No: .....

Work Sl. No: .....

Description of Work: .....

.....

Estimated value put to Tender (Rs.): .....

Earnest Money Deposit value (Rs.): .....

Earnest Money Deposit NEFT detail: .....

Quoted Percentage (both in figure and word) if any, to be deducted from bill:

.....

(Seal & Signature)

Full Name & Address of the Contractor:

Phone No.:

ANNEXURE-B

Sd/-
Secretary
District Health & Family Welfare Samiti
& Chief Medical Officer of Health
North 24 Parganas

Self-Declaration

Space for Photograph

Affix recent Color Passport Size Photo Graph

I.....son/daughter of Shri.....

age.....years, resident of..... in the district.....

of, West Bengal, do hereby declare that the information given above and in the enclosed documents is true to the best of my knowledge and belief and nothing has been concealed therein. I am well aware of the fact that if the information given by me is proved false/ not true at any point of time, I will have to face punishment as per any provision of Law for the time being in force as well as the benefit availed of by me or the benefit accrued to me shall be summarily canceled.

Date:

Signature of Applicant

Place:

Estimate No. 01/A/2022-23

Name of Work:-	Electrical Installation Work for Preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY 2021-20 at Existing HWC, North 24 Parganas.				
Sl. No.	Description of Item	Unit	Qty.	Rate.(Rs)	Amount.(Rs)
1	Supplying and fixing double-door **2+10 way 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. **(Make- L&T/Havells)** Incomer: **DP 40A Isolator- 1 No. [Pg- D6, Item- 6]** Outgoing: **SP 6-32A 10KA C- Curve MCB- 8 Nos. [Pg- D6, Item- 7]**	Each	1	3,201.00	3,201.00
2	Supplying and fixing 240/415 V change over (MCB module) of on din rail of existing DBs/ enclosure and necessary connection. **[Pg-D7, Item- 9]**	Each	1	1,304.00	1,304.00
3	Supplying and fixing 240/415 V **32A DP MCB** of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection **(Make- L&T/Havells) [Pg- D6, Item- 7]**	Each	2	488.00	976.00
4	Supplying & Fixing **4 Module GI Modular Switch Board** of the following sizes complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works **[Pg- E-17, Item- 1a]**	Each	2	266.00	532.00
5	Supply & Fixing 240 V, **25 A, 3 pin Modular type plug socket** (Brand approved by EIC), without plug top and switch, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc **[Pg- E-17, Item- 4C]**	Each	2	199.00	398.00
6	Supply & Fixing **240 V,25 A, 3 pin Modular type plug top with indicator** (Brand approved by EIC) & necy. Connections.	Each	2	132.00	264.00
7	Supplying & fixing sheet metal (16 SWG) Iron Clad **Busbar chambers** on angle iron frame on wall, incl. earthing attachment and painting as required – (As per Drawing no. 470 of PWD Specification Book – May 1991) **2 bars 240 V, 63 A,** Dimension of Al. bars [85mm long]- 2 x 20x5mm, Dimension of Sheet Metal Box - 300x150mm	RM	1	1,716.00	1,716.00
8	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (**Make- Finolex/ KEI/Polycab**) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required **[Pg- E14, Item- 1/a/ii]**				-
	a) 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC **[for main switch to SPN DB]**	RM	60	197.00	11,820.00
	b) 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC **[for Power Point]**	RM	52	121.00	6,292.00
	c) 2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC [for 5A Switch Boards]	RM	63	104.00	6,552.00
9	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. **[Pg- F5, Item- 9]**				-
	6 sqmm	Each	12	9.00	108.00
	4 sqmm	Each	4	7.00	28.00
	2.5sqmm	Each	4	6.00	24.00
10	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (**Make- Finolex/ KEI/Polycab**) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish **Avg RM: 8 Mtr [Pg- E14, Item- 2]**	Each	5	866.00	4,330.00
11	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (**Anchor**) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required **[Pg- E6, Item- 22]**	Each	4	293.00	1,172.00

	Description of Item	Unit	Qty.	Rate.(Rs)	Amount.(Rs)
	Supply & Fixing 240 V, 6A, plug socket with separate 6 A Piano key type switch **(Anchor)** on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required. **[Pg- E6, Item- 21]**	Each	10	208.00	2,080.00
13	Supply &Delivery of **500 mm Pedestal Fan** complete with necessaryr accessories as required. **(Make - Crompton Windstar,Brizstar Farrata/ Orient- Farrata Ft 01/ Havells Windstorm)**	Each	1	4,265.00	4,265.00
14	Excavation of soil for installation of Earth Electrode and filling & ramming. For Soft Soil	Cu Mtr.	1.5	219.00	328.50
15	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 15 mm dia GI pipe protection (1 Mts. 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 as below: **By ISI-Medium GI pipe**	Each	1	1,396.00	1,396.00
16	Extra for treatment of soil by using salt & charcoal or coke for plate electrode	Item	1	542.00	542.00
17	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm 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 **[Pg- G2 Item- 4a]**	Mtr.	1	159.00	159.00
18	Connecting the equipments body to earth busbar including S & F **25 mm x 6 mm** 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. **[Pg- G1 Item- 1]**	Mtr.	2	198.00	396.00
19	Connecting the equipments body to earth busbar including S&F 20 mm x 3 mm 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. [Pg- G3 Item- 5C]	Mtr.	10	94.00	940.00
20	**Earth Continuity Conductor:** Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages **Solid GI wire No. 8 SWG [Pg- G2 Item- 5]**	Mtr.	15	9.00	135.00
21	Extra for providing masonery 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 morter (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	Item	1	933.00	933.00
A.	***Total***			*Rs.*	***49,891.50***
B.	*Addl GST (@ 12%) [B = A * 0.12]*			*Rs.*	5,986.98
C.	***Amount Including GST (12%) [C = A + B]***			*Rs.*	**55,878.48**
D.	*Addl. L.W. Cess @ 1% [D= C * 0.01]*			*Rs.*	558.78
E.	***Tender Amount [E= C + D]***			***Rs.***	**56,437.26**
F.	*Addl. Contingency @ 3% [F = C * 0.03]*			*Rs.*	1,676.35
G.	***Total Amount [G = C + D + F]***			*Rs.*	58,113.62
				Say Total.....Rs.	***58,114.00***

Rupees Fifty Eight Thousand One Hundred Fourteen Only

NB: District Charge is being incorporated to the rate of scheduled items and high lighted item is non- scheduled. Rate of Non-scheduled item is given as per rate analysis of electrical items by PWD Electricals, Govt. of WB.

SAE (Elec), DPMU
NHM, DH & FWS, 24 PGS. (N)

Dy. Chief Medical Officer Of Health-I
North 24-parganas

				Estimate No.	01/2022-23
Name of Work:-	**Electrical Installation Work for Preparation of site for installation of equipment and machineries being supplied with allied works under 15th FC-HG for FY 2021-20 at Existing HWC, North 24 Parganas.**				
Sl. No.	**Description of Item**	**Unit**	**Qty.**	**Rate.(Rs)**	**Amount.(Rs)**
1	Supplying and fixing double-door **2+10 way 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. **(Make- L&T/Havells)** Incomer: **DP 40A Isolator- 1 No. [Pg- D6, Item- 6]** Outgoing: **SP 6-32A 10KA C- Curve MCB- 8 Nos. [Pg- D6, Item- 7]**	Each	1	3,138.00	3,138.00
2	Supplying and fixing 240/415 V change over (MCB module) of on din rail of existing DBs/ enclosure and necessary connection. **[Pg-D7, Item- 9]**	Each	1	1,278.00	1,278.00
3	Supplying and fixing 240/415 V **32A DP MCB** of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection **(Make- L&T/Havells) [Pg- D6, Item- 7]**	Each	2	478.00	956.00
4	Supplying & Fixing **4 Module GI Modular Switch Board** of the following sizes complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works **[Pg- E-17, Item- 1a]**	Each	2	261.00	522.00
5	Supply & Fixing 240 V, **25 A, 3 pin Modular type plug socket** (Brand approved by EIC), without plug top and switch, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc **[Pg- E-17, Item- 4C]**	Each	2	195.00	390.00
6	Supply & Fixing **240 V,25 A, 3 pin Modular type plug top with indicator** (Brand approved by EIC) & necy. Connections.	Each	2	129.00	258.00
7	Supplying & fixing sheet metal (16 SWG) Iron Clad **Busbar chambers** on angle iron frame on wall, incl. earthing attachment and painting as required – (As per Drawing no. 470 of PWD Specification Book – May 1991) **2 bars 240 V, 63 A,** Dimension of Al. bars [85mm long]- 2 x 20x5mm, Dimension of Sheet Metal Box - 300x150mm	RM	1	1,682.00	1,682.00
8	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (**Make- Finolex/ KEI/Polycab**) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required **[Pg- E14, Item- 1/a/ii]**				-
	a) 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC **[for main switch to SPN DB]**	RM	60	193.00	11,580.00
	b) 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC **[for Power Point]**	RM	52	119.00	6,188.00
	c) 2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC [for 5A Switch Boards]	RM	63	102.00	6,426.00
9	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. **[Pg- F5, Item- 9]**				-
	6 sqmm	Each	12	9.00	108.00
	4 sqmm	Each	4	7.00	28.00
	2.5sqmm	Each	4	6.00	24.00
10	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (**Make- Finolex/ KEI/Polycab**) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish **Avg RM: 8 Mtr [Pg- E14, Item- 2]**	Each	5	849.00	4,245.00
11	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (**Anchor**) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required **[Pg- E6, Item- 22]**	Each	4	287.00	1,148.00
12	Supply & Fixing 240 V, 6A, plug socket with separate 6 A Piano key type switch **(Anchor)** on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required. **[Pg- E6, Item- 21]**	Each	10	204.00	2,040.00

Sl. No.	Description of Item	Unit	Qty.	Rate.(Rs)	Amount.(Rs)
13	Supply &Delivery of **500 mm Pedestal Fan** complete with necessaryr accessories as required. (**Make - Crompton Windstar,Brizstar Farrata/ Orient- Farrata Ft 01/ Havells Windstorm**)	Each	1	4,265.00	4,265.00
14	Excavation of soil for installation of Earth Electrode and filling & ramming. For Soft Soil	Cu Mtr.	1.5	215.00	322.50
15	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 15 mm dia GI pipe protection (1 Mts. 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 as below: **By ISI-Medium GI pipe**	Each	1	1,369.00	1,369.00
16	Extra for treatment of soil by using salt & charcoal or coke for plate electrode	Item	1	531.00	531.00
17	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm 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 **[Pg- G2 Item- 4a]**	Mtr.	1	156.00	156.00
18	Connecting the equipments body to earth busbar including S & F **25 mm x 6 mm** 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. **[Pg- G1 Item- 1]**	Mtr.	2	194.00	388.00
19	Connecting the equipments body to earth busbar including S&F 20 mm x 3 mm 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. [Pg- G3 Item- 5C]	Mtr.	10	92.00	920.00
20	**Earth Continuity Conductor:** Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages **Solid GI wire No. 8 SWG [Pg- G2 Item- 5]**	Mtr.	15	9.00	135.00
21	Extra for providing masonery 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 morter (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	Item	1	915.00	915.00
A.	***Total***			*Rs.*	***49,012.50***
B.	*Addl GST (@ 12%) [B = A * 0.12]*			*Rs.*	5,881.50
C.	***Amount Including GST (12%) [C = A + B]***			*Rs.*	**54,894.00**
D.	*Addl. L.W. Cess @ 1% [D= C * 0.01]*			*Rs.*	548.94
E.	***Tender Amount [E= C + D]***			***Rs.***	**55,442.94**
F.	*Addl. Contingency @ 3% [F = C * 0.03]*			*Rs.*	1,646.82
G.	***Total Amount [G = C + D + F]***			*Rs.*	57,089.76
				Say Total.....Rs.	***57,090.00***
Rupees Fifty Seven Thousand Ninety Only					

SAE (Elec), DPMU
NHM, DH & FWS, 24 PGS. (N)

Dy.Chief Medical Officer Of Health-I
North 24-parganas