

BILL OF QUANTITY

NAME OF THE WORK: - Construction of E-LIB AND BOUNDARY WALL at Dhanurjaypur U.Ghigh school year 2022-23

Amount put to Tender : Rs. 30,28,968.00
EMD : 1% of the Amount put to Tender
Class of Contractor : B' & C' class only
Cost of Tender Paper : Rs.6000.00
Time required for completion : 6(six) calender Month

| Sl No. | Description of Items | Unit | Quantity | Rate | in words | Amount |
|--------|---|------|----------|---------|----------|-----------|
| 1 | 2 | 3 | 4 | 5 | | 6 |
| 1 | Earthwork in excavation of foundation in hard soil or gravelly soil except sheet rock requiring blasting to proper profile with all leads, lifts and delifts to proper section and profile including dressing and levelling the bed upto required depth and making it fit for laying concrete and depositing the excavated materials away from the work site with all leads and lifts including dewatering if necessary from foundation complete as directed by Engineer-in-Charge. | cum | 225.78 | 193.45 | | 43675.85 |
| 2 | Filling in foundation and plinth with sand, watered and rammed including cost, conveyance & royalty of materials with labour and T&P required for the work. | cum | 78.64 | 633.39 | | 49807.96 |
| 3 | Cement concrete of proportion (1:3:6) with 40mm & down graded size hand broken H.G. metal for foundation concrete approved quality from approved quarry including hoisting, lowering and laying concrete to the required level ramming, watering, curing etc. complete including cost, conveyance & royalty of materials with all labour charges. | cum | 48.11 | 4522.20 | | 217546.29 |
| 4 | CC (1:2:4) by using 12 mm size cbhg chips including all cost etc complete | cum | 2.54 | 6001.70 | | 15227.56 |
| 5 | Brick work with Fly Ash Bricks in cement mortar (1:6) in F & P of size 9"x5"x3" having crushing strength not less than 75 kg/cm ² with dimensional tolerance $\pm 8\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect. | cum | 74.10 | 4191.80 | | 310611.45 |

| | | | | | |
|----|---|-----|--------|----------|-----------|
| 6 | Brick work with Fly Ash Bricks in cement mortar (1:6) in Superstructure of size 9"x5"x3" having crushing strength not less than 75 kg/cm ² with dimensional tolerance ± 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use Including cost, conveyance & royalty of materials with labour charges etc complete in all respect. | cum | 147.65 | 4229.71 | 624523.87 |
| 7 | Fly ash Brick Massonry(1:6) in 1st floor for wall including all cost,etc complete. | cum | 3.35 | 4500.26 | 15065.31 |
| 8 | RCC M-20 work with cement concrete with crushed granite 20mm down grade course aggregate of approved quality mixing by concrete mixer including hoisting, lowering and laying the concrete in position to proper slope and level and compacting by Vibrators in layers .not exceeding 0.15m depth including watering, curing for required period 28 days, centering & shuttering and finishing exposed surface smooth providing grooves wherever necessary including cost, conveyance, royalty and other taxes of all materials | cum | | | |
| a | Column Base | cum | 29.10 | 4993.64 | 145338.07 |
| b | Column & Beam | cum | 18.41 | 10791.21 | 198707.03 |
| c | (C-2)Column for 1st floor | cum | 0.33 | 12067.15 | 3924.30 |
| d | Plinth Beam | cum | 26.00 | 4839.00 | 125824.10 |
| e | Lintel Band | cum | 1.78 | 8585.37 | 15266.48 |
| f | ChhajaGround floor | cum | 11.76 | 779.45 | 9170.12 |
| g | SlabGround floor | cum | 9.70 | 9175.47 | 88986.06 |
| 9 | Straightening bent up or coiled M.S. rod or HYSD steel (Fe- 415), cutting, bending, cracking, hooking, welding or jointing (if required), the M.S rod or HYSD steel and binding, tying the grills, hoisting, lowering and placing in proper position as required for RCC works including cost, conveyance and taxes of M.S. rod or HYSD steel and binding wires of 18 to 20 gauge and labour charges required for the work etc complete. | qtl | 72.08 | 8516.11 | 613844.38 |
| 10 | 16mm (5/8") thick cement plaster (1:6) finishing smooth to inside rough surface of 9"/10" thick brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete | sqm | 662.68 | 203.50 | 134855.06 |
| 11 | (B)For parapet Both side | sqm | 26.57 | 208.50 | 5538.95 |
| 12 | 12mm thick cement plaster (1:6) finishing smooth to Outside rough surface of 9"/10" thick brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete | sqm | 770.93 | 142.80 | 110088.15 |

| | | | | | |
|----|--|-----|--------|--------|------------|
| 13 | 6 mm thick cement plaster in cement mortar (1:4) to RCC surface finished smooth including deep chipping and slury treatment including punning including cost, conveyance & royalty of materials. | sqm | 87.78 | 157.90 | 13859.88 |
| 14 | 2.5C.M grading concrete(1:2:2) | sqm | 77.65 | 298.10 | 23147.34 |
| 15 | Supplying ,fitting and fixing vertrified tiles in floors,treads or steps of size 600mm x 600mm of approved make conforming to IS: 13755 laid on 20mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved qual | sqm | 69.08 | 980.43 | 67730.20 |
| 16 | Supplying ,fitting and fixing Chequred tiles in floors,treads or steps of size 600mm x 600mm of approved make conforming to IS: 13755 laid on 20mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of materials, labour T&P etc required for the work all complete as per direction of Engineer in Charge (For New work Only) | sqm | 2.51 | 810.70 | 2033.48 |
| 17 | Manufacturing, supplying, fitting and fixing MS doors & windows & frame made out of 35mmx35mmx6mm size MS angle iron of approved design including cost, conveyance, taxes with all labour charges required for the work. | sqm | 392.00 | 112.09 | 43940.32 |
| 18 | Painting two coats with any approved synthetic enamale paint of approved quality shade and make over a coat of priming to new wood work/ iron work including cost of the primer and paint, sand papering polishing the surface with cost, conveyance, royalty, taxes with all labour charges. | sqm | 30.10 | 196.40 | 5911.56 |
| 19 | Supplying and applying of primer over putty surface | sqm | 265.51 | 56.10 | 14895.25 |
| 20 | Finishing wall surface with putty | sqm | 180.43 | 85.30 | 15391.06 |
| 21 | Finishing wall surface with cementwash | sqm | 85.08 | 21.60 | 1837.69 |
| 22 | Aplying plastic emulsion paint | sqm | 180 | 78.10 | 14091.93 |
| 23 | Wall painting twocoats to weather coat | sqm | 1353 | 72.50 | 98128.09 |
| | | | | TOTAL | 3028967.80 |
| | | | | OR SAY | 3028968.00 |

(Rupees Thirtylakhs twentyeight thousand Nine hundred sixtyeight)only.

Approved 23 items only

GST 18%,Cess1% and Qc1%Will be added at the time of agreement.


Assistant Engineer
Hatadihi


Block dev officer
Hatadihi


Addl Tech Officer
ZP Keonjhar

TO BE FILLED BY THE TENDERER

1) My/Our quoted rate is (both in figure and words)

| | In figure | In words |
|------------------------|-----------|----------|
| Equal to Estimate Cost | % | |
| Excess in Percentage | % | |
| Less in Percentage | % | |

Notes:-

- 1) The tenderer should quote the percentage up to 2(two) digits after the decimal point .
- 2) The Tenderers should quoted their percentage only inside the space provided for the purpose. And in case anything else regarding tender rate is mentioned, the tender is liable for rejection
- 3) The percentage quoted at any other place will not be taken in to consideration.
- 4)Rate of all items are inclusive of cost,carriage,royalty and other taxes of material.

Tenderer:

No. of Correction.....

No. of Over writing.....

No of Interpolation.....



Asst Exe. Engineer
Hatadihi Block



Block Dev. Officer
Hatadihi Block

Addl. Executive Officer (Tech.)
ZP,Keonjhar