

**BOQ FOR CONSTRUCTION OF BOUNDARY WALL FOR CANARA BANK VACANT PLOT AT NAGRI,
RANCHI
(LENGTH-1040'-0".x HEIGHT 7'-0")**

BOUNDARY WALL

THE RATES OF ITEMS ARE BASED ON CURRENT S.O.R. OF SOUTH CHHOTANAGPUR DIVISION- 2022, GOVT. OF JHARKHAND & D.S.R. - 2023.

| Sl.no | Item No | Description of Item | Measurement (in FIT) | | | | Quantity | Unit | Rate | Amount |
|-------|---------|--|----------------------|---------|-------|--------|----------|--------------------|------|--------|
| | | | No. | Length | Width | Height | | | | |
| 1 | 5.1.1 | Earthwork in excavation in foundation trenches in ordinary soil (vide classification of soil item-A) and disposal of excavated earth as obtained to a distance up to 50 M. including all lifts, leveling, ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I. | | | | | | | | |
| | | Column (6" Extra for working space) | 69 | 4.50 | 4.50 | 4.00 | 5589.00 | | | |
| | | | 17 | 5.50 | 4.50 | 4.00 | 1683.00 | | | |
| | | Below Tie beam | 1 | 954.201 | 0.83 | 2.00 | 1589.70 | | | |
| | | | | | | | 8861.70 | CFT | | |
| | | | | | | | 250.97 | Per M ³ | | |
| 2 | 5.1.7 | Earth filling in foundation trenches and plinth in layers not exceeding 150 mm. thick well watered, rammed, fully compacted and fine dressed with earth obtained from excavation of foundation trenches within a lead of 50 M. and lift of 1.5 M all complete as per building specification and direction of E/I (Mode of measurement compacted volume). | | | | | | | | |
| | | 2/3 of earth work excavated | | | | | 167.31 | Per M ³ | | |
| 3 | 5.1.10 | Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mm thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I (Mode of measurement compacted volume). | | | | | | | | |
| | | Coloumn | 86 | 4.00 | 4.00 | 0.50 | 688.00 | | | |
| | | Below Tie beam | 1 | 954.201 | 1.50 | 0.50 | 715.65 | | | |
| | | | | | | | 1403.65 | CFT | | |
| | | | | | | | 39.75 | Per M ³ | | |
| 4 | 5.6.1 | Providing designation 75 A one brick flat soling joints filled with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I. | | | | | | | | |
| | | Below Tie beam | 1 | 954.20 | 0.83 | | 794.85 | | | |
| | | Coloumn Foundation | 86 | 4.00 | 4.00 | | 1376.00 | | | |
| | | | | | | | 2170.85 | SFT | | |
| | | | | | | | 201.68 | Per M ² | | |
| 5 | 5.3.1.6 | Providing and laying in position cement of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 cement : 3 coarse sand (zone-III) :6 gradde stone aggregate 20 mm nominal size) | | | | | | | | |
| | | Coloumn Foundation | 86 | 4.00 | 4.00 | 0.250 | 344.00 | | | |
| | | Below Tie beam | 1 | 954.20 | 0.83 | 0.250 | 198.78 | | | |
| | | | | | | | 542.78 | CFT | | |
| | | | | | | | 15.37 | Per M ³ | | |
| 6 | 5.3.9.1 | providing and laying in position specified grade of reinforced cement concrete ,excluding the cost of centering ,shuttering, finishing and reinforcement - All work up plinth level. 1:1.5:3 (1 cement :1.5 coarse sand (zone-III): 3 graded stone aggregate 20mmnominal size) | | | | | | | | |
| | | | 69 | 4.00 | 4.00 | 0.83 | 919.63 | | | |
| | | Tropozodal - h/3(A1+A2+ root of A1XA2) | 69 | 20.026 | 0.278 | 0.833 | 383.68 | | | |
| | | | 69 | 0.833 | 0.833 | | | | | |
| | | | 17 | 5.00 | 4.00 | 0.83 | 283.22 | | | |
| | | Tropozodal - h/3(A1+A2+ root of A1XA2) | 17 | 24.419 | 0.278 | 0.833 | 115.27 | | | |
| | | | 17 | 0.833 | 0.833 | | | | | |
| | | Coloumn up-to plinth | 103 | 0.833 | 0.833 | 1.334 | 95.34 | | | |
| | | | | | | | 1797.14 | CFT | | |
| | | | | | | | 50.90 | Per M ³ | | |
| 7 | 5.3.11 | reinforced cement concrete work in Tie-beam plinth level up to floor five level , excluding the cost of centering , shuttering , finishing and reinforcement, with 1:1:5:3 (1 cement :1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size) | | | | | | | | |
| | | Tie Beam | 1 | 954.20 | 0.833 | 1.00 | 794.85 | CFT | | |
| | | | | | | | 22.51 | Per M ³ | | |

| | | | | | | | | | | |
|-----------------------------------|--------|--|---|-----|---------|-------|-----------------------|----------|--------------------|--|
| 8 | 5.2.3 | Providing designation 75 A brick work in C.M. (1:6) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing, taxes and royalty all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | | 1 | 954.20 | 0.833 | 1.00 | 794.85 | CFT | |
| | | | | | | | | 22.51 | Per M ³ | |
| 9 | 5.2.14 | Providing designation 75 B brick work in C.M.(1:6) in superstructure with approved quality of clean coarse sand of F.M. 2 to2.5 including providing 10 mm thick mortar joints cost of screening materials , scaffolding , raking out joints to 15mm depth curing, taxes and royalty all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | | 1 | 954.20 | 0.833 | 5.50 | 4371.67 | CFT | |
| | | | | | | | | 123.81 | Per M ³ | |
| 10 | 5.3.10 | Providing R.C.C.M - 200 with nominal mix of (1:1.5:3) in columns with approved quality of stone chips 20 mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | Column | 103 | 0.83 | 0.833 | 6.00 | 428.82 | CFT | |
| | | | | | | | | 12.14 | Per M ³ | |
| 11 | 5.3.11 | Reinforced cement concrete work in bands, staircases and spiral stair cases above plinth level up to floor five level , excluding the cost of centering , shuttering , finishing and reinforcement, with 1:1.5:3 (1 cement :1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size) | | | | | | | | |
| | | | Lintel Band | 1 | 1040.00 | 0.83 | 0.500 | 433.16 | | |
| | | | | | | | | 433.16 | CFT | |
| | | | | | | 12.27 | Per M ³ | | | |
| 12 | 5.5.4 | Providing Tor steel reinforcement of 8mm. dia. rods as per approved design and drawing excluding carriage of M.S. bars to work site , cutting, bending and binding with annealed wire with cost of wire, removal of rust placing the rods in position all complete as per building specification and direction of E/l. TMT Fe 500 | | | | | | | | |
| | | | RCC in foundation & plinth (item no 6) | | 50.90 | | | 50.90 | | |
| | | | RCC in plinth beam (item no 7) | | 22.51 | | | 22.51 | | |
| | | | RCC in column (item no 10) | | 12.14 | | | 12.14 | | |
| | | | RCC in Lintel (item no 11) | | 12.27 | | | 12.27 | | |
| | | | | | | | Total quantity of RCC | 97.82 | M ³ | |
| | | | Steel 100 kg/cum of rcc | | | | | 9781.84 | KG | |
| | | | Total ton of steel | | | | | 9.78 | MT | |
| (a) 8mm (TMT,Coil Fe 500) (45% of | | | | | 4.40 | PerMT | | | | |
| 13 | 5.5.5 | Providing Tor steel reinforcement of 10mm. ,12mm & 16mm dia. bars as per approved design and drawing excluding carriage of M.S. bars to work site , cutting, bending and binding with annealed wire with cost of wire, removal of rust placing the rods in position all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | (a) 10mm (TMT,Coil Fe 500) (15% of total steel) | | | | | 1.47 | PerMT | |
| | | | (b) 12mm (TMT,Coil Fe 500) (40% of | | | | | 3.91 | PerMT | |
| 14 | 5.7.3 | Providing 12mm cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | Side | 2 | 1040.00 | | 7.000 | 14560.00 | | |
| | | | Top | 1 | 1040.00 | | 0.83 | 866.32 | | |
| | | | | | | | | 15426.32 | SQFT | |
| | | | | | | | | 1433.14 | Per M ² | |
| 15 | 5.8.24 | Providing two coats of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/l. | | | | | | | | |
| | | | Vide item no 14 | 1 | 1433.14 | | | 1433.14 | M ² | |

| | | | | | | | | | | | |
|-----------------------|--------|---|--------------------|---|--------|-------------|----------------------|----------------------|--|--|--|
| 16 | 5.5.30 | Supplying, fitting and fixing M.S. grill gate with M.S. grills made of 20x6mm M.S. flats or 16mm square bars fitted on 25x25x6mm M.S Angle frame including cost of fabrication , providing necessary locking arrangement with haskal and domny duly fixed in P.C.C. (1:2:4) blocks of required size, applying a priming red lead paint over steel work, taxes all complete as per drawing specification and direction of E/I. (where steel is not supplied by the deptt.) | | | | | | | | | |
| | | | | 1 | 12.00 | 7.00 | 84.00 | | | | |
| | | | | | | | 84.00 | SFT | | | |
| | | | | | | | 7.80 | SQM | | | |
| | | | | | | 45 Kg / Sqm | 351.17 | Kg | | | |
| 17 | 5.8.41 | Providing primer one coat of red lead paint of approved make over new steel surface including preparing the surface after cleaning, removing rust , dirt , scales , smokes and grease and cleaning the surface thoroughly including cost of scaffolding and taxes all complete as per building specification and direction of E/I. (Mode of measurement Area shall be multiplied by the co-efficient as indicated in building specification) | | | | | | | | | |
| | | | | | | Times | | | | | |
| | | | Vide Previous item | 1 | 84.000 | 1.600 | 134.40 | | | | |
| | | | | | | | 134.40 | SFT | | | |
| | | | | | | | 12.49 | M² | | | |
| 18 | 5.8.45 | Providing two coats of synthetic enamel paint of approved shade and make over steel surface including cleaning the surface thoroughly, scaffolding and taxes all complete as per building specification and direciton of E/I. | | | | | | | | | |
| | | | | | | Times | | | | | |
| | | | | 1 | 84.000 | 1.600 | 134.40 | | | | |
| | | | | | | | 134.40 | SFT | | | |
| | | | | | | | 12.49 | M² | | | |
| 19 | | Carriage of materials | | | | | | | | | |
| | | a) Stone chips Lead - 22 Km | | | | 98.57 | M³ | | | | |
| | | b) Bricks, Lead - 8 Km | | | | 65.96 | /1000nos. | | | | |
| | | c) Sand, Lead -12 km | | | | 191.40 | M³ | | | | |
| | | | | | | | Total | | | | |
| Total in Words | | | | | | | | | | | |