

Schedule of Quantity for: **“Construction of watch tower at Turamdih Mines”**

**N. I. T No.: TMD/MIN –701**

**[P R I C E P A R T]**

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Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
1	Earthwork in excavation in the following types of soil and rock upto and including 1.5 Metres lift including bailing/pumping out any water accumulating inside the excavated pit/trench, shoring, strutting(as directed by Engineer) adequate protection to be taken during excavation/drilling/blasting, transporting the excavated soil for all lead & stacking selectively including disposing off the rubbish, rock fragments, excess spoils etc. lead upto 100 Mtrs. in the area as directed by the Engineer, all complete as per drawing, specification and direction of Engineer. a) Ordinary/dense soil mixed with gravels / rock fragments / loose waste.	<b>108.00</b>	<b>CUM</b>			
2	Supply, mix place in position compact & cure cement concrete 1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) below foundations, walls, wells, pits, trenches etc. as per specifications, drawings and directions of the Engineer including cost of all materials, labour, tools and tackles etc. centering and shuttering, but excluding cost of cement.	<b>5.00</b>	<b>CUM</b>			

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Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
3	Supply, mix place in position RCC, compact & cure including testing of concrete specimens, finishing surfaces as per specifications, drawings and directions of the Engineer with nominal mix 1:1.5:3 (1 cement :1.5 coarse sand: 3 graded stone aggregate 20mm nominal size) including cost of all materials, labour, shuttering, but excluding the cost of cement and reinforcement. In foundation / plinth/Shelves/Slab/Column / Beam/Lintel etc.	<b>65.00</b>	<b>CUM</b>			
4	Providing dismantle and remove the form work of approved quality in walls beams , columns and footings etc. with necessary scaffolding including required staging and supporting etc and necessary rendering of concrete surfaces after exposure at all elevations for all types of work with plywood/steel shuttering including cost of all materials, labour, tools and tackles etc. complete as per specifications, drawings & directions of Engineer-in-charge.	<b>246.00</b>	<b>Sqm</b>			
5	Earth work in back filling with available earth including watering and compaction at all elevations around foundations, walls, wells, tunnels, pits, culverts, trenches, road approaches and in plinth filling & area filling as per specifications and drawings and as directed by the Engineer with selected spoil within a lead of 100 Mtrs.	<b>85.00</b>	<b>CUM</b>			

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Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
6	Taking delivery of raw deformed bars/M. S bars (from owner's stores),bend, bind and place the following types of reinforcement in all types of reinforced concrete work at all elevations, including cleaning, straightening, cutting, bending and binding with 18 SWG annealed wire or with welding such as tack, lap, butt etc. with approved electrodes, providing concrete cover blocks, pins, chairs, nails, supports of reinforcement etc. with all materials and labour complete as per drawings, specifications and directions of Engineer excluding cost of reinforcement High yield strength deformed /M. S bars.	<b>7000.00</b>	<b>Kg</b>			
7	6mm thick(minimum) plastering with 1:3(1cement: 3 coarse sand) to faces of RCC/concrete walls, channels in roof and other structures at various elevations including mixing, laying, finishing, curing and necessary scaffolding work complete as per drawings, specifications and instructions of the Engineer with all materials and labours but excluding the cost of cement. Loading & unloading to be done by contractor.	<b>200.00</b>	<b>Sqm</b>			

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Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
8	Taking delivery of raw steel materials (from owner's stores), fabricate, transport and erect structural steel work of T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15 x 10 x 10 cm of 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and with 2 coats of 1st quality synthetic enamel paint over a coat of approved steel primer (ready mixed paint conforming to IS:2074) as per drawings, specifications and directions of the Engineer-in-charge including cost of all materials, labour, tools and tackles etc but excluding the cost of steel.	<b>6500.00</b>	<b>KG</b>			
9	Neat cement punning over plaster excluding the cost of cement as per the direction of Engineer-in-charge.	<b>75.00</b>	<b>Sqm</b>			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
10	Supplying, including assembly fitting and fixing in position steel windows(openable, fixed or semi-openable type), ventilators, skylights at various elevations including frames, shutters, transom, mullions, couplings, brass pegs and handle, all fittings and fixtures, caulking with mastic, grouting the frames in masonry or concrete a shop coat of approved zinc chromate primer and final painting in position with a coat of approved primer and two (2) coats of synthetic enamel paint of approved make and shade etc. complete as per drawings, specifications and instructions of the Engineer including the cost of 4mm frosted glass. (Windows as per IS : 1361	<b>420.00</b>	<b>Kg</b>			
11	Supply and laying in position brick work with designate 75 bricks (compressive strength not less than 75 Kg./Sq. Cm.) in foundation, trench and upto plinth & super structure in cement-coarse sand mortar (1: 6) including mixing mortar, laying brick, raking joints, curing etc complete with all materials and labour but excluding the cost of cement as per drawing & specifications of Engineer-in-charge	<b>5.00</b>	<b>CUM</b>			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
12	12mm thick(minimum) plastering with 1:6(1cement: 6 coarse sand) to interior faces of walls, channels in roof and other structures at various elevations including mixing, laying, finishing, curing and necessary scaffolding work complete as per drawings, specifications and instructions of the Engineer with all materials and labours but excluding the cost of cement.	<b>47.00</b>	<b>Sqm</b>			
13	15mm thick(minimum) plastering 1:6(1 cement: 6coarse sand) to exterior faces of wall, beams, columns, drains, R. C channels in roof and other structures at various elevations including mixing laying finishing, curing necessary scaffolding work complete with all materials and labours but excluding the cost of cement as per drawings & specifications.	<b>47.00</b>	<b>Sqm</b>			
14	Finishing walls with weather coat paint of approved brand and manufacture and of required shade to give an even shade to old/new work (two or more coats) including cost of labour, tools & tackles as per specification, drawings and direction of Engineer-in-charge.	<b>200.00</b>	<b>Sqm</b>			
15	Providing and laying pressed clay tiles ( as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1 : 4 (1 cement : 4 coarse sand) mixed with 2 % integral water proofing compound laid over abed of 20mm thick cement mortar 1 : 4 (1 sement : 4 coarse sand) and finished near complete as per the direction of EIC.	<b>25.00</b>	<b>Sqm</b>			

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Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
16	Providing and fixing false ceiling of 12.5mm thick tapered edge gypsum board conforming to IS :2095 including providing and fixing of frame work make of special sections power pressed from M. S sheet and galvanised in accordance with zinc coating 600 as per IS :277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25x25x5mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G. I channel with connecting clips made out of 2.64mm dia x 230mm long G. I wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish to tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher and two coats of primer suitable for gypsum board as per manufactures specification and also including the coat of making openings for light fittings, grills, diffusers cutouts made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the EIC but excluding the cost of painting.	25.00	Sqm			

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Item No.	Description of item	Qty	Unit	Rate Rs.   P	Rate in words	Amount Rs.   P
17	Extra for providing 3mm thick translucent white acrylic plastic sheets of approved quality in false ceiling instead of 12mm thick plain / or in with design particle board ceiling tiles as per the direction of EIC.	25.00	Sqm			
18	Providing and fixing of zinc and alloy colour coated of TATA blue scope steel Ltd or pre-painted galvanized steel tile roof sheet of pester infrastructure Ltd Kolkata on roof at any height including scaffolding, fixing with necessary as per specification of manufacture all complete as per instruction of EIC including the cost of purling/ridge.	60.00	Sqm			
19	For items not covered under above schedule of quantities mentioned Sl. No. 1 to 19 covered under CPWD DSR-2007, quoted	% above / below of DSR'07				
	Total					
	Rebate if any in words (_____)				%	
	Grand Total					

(Total in words .....)

**NOTE:**

1. All items rates must be written in figures and words without which tenders are liable to be rejected.
2. All the pages of tender document must be duly signed by tenderer along with their seal.
3. Overall rebate, if any must be quoted in the above column only and written elsewhere shall not be considered.
4. Conditional tender submitted by the tenderer will be summarily rejected without any prejudice, hence tenderer are advice to quote their rates as per N. I. T conditions.
5. The Quoted rate should be inclusive of all taxes and duties including Service Tax

Signature with Seal