

Schedule of Quantity for: **“Construction of X-ray room at Turamdih Township”**

N. I. T No.: TMD/MIN –690

[P R I C E P A R T]

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
1	Earth work in excavation in foundation trenches, pits or drains not exceeding 1.5 Mtr in depth, 2 Mtr in width as well as 10 Sq.m on plan including clearing of bushes and shrubs from ground level including trimming dressing of sides and ramming of bottoms, lift upto 1.5 Mtr including dewatering getting out the excavated soil and disposal of surplus excavated soil within a lead of 100 m including cost of all materials, labour, tools and tackles etc. as per drawings, specifications and directions of Engineer-in-charge. a) Ordinary/ dense soil mixed with gravels / rock fragments / loose waste	50.00	CUM			
2	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 and area filling as per specifications and drawings and as directed by the engineer-in-charge with selected spoils within a lead of 100 Mtr. (filling in layers not exceeding 250 mm in loose thickness, watered as necessary, each layer of filling to be compacted to achieve a dry density of not less than 95% of proctor density including cost of all materials, labour, tools and tackles etc.	35.00	CUM			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
3	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 -in-charge including cost of all materials, labour, tools and tackles etc. including cost of cement.	16.00	CUM			
4	Neat cement punning including curing as per directions of Engineer-in-charge including cost of all labour, tools and tackles etc. but including cost of cement.	50.00	Sqm			
5	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 in cement-coarse sand mortar (1:6) including mixing mortar, laying bricks, raking joints, curing etc. complete with all materials and labour but including cost of cement as per drawings and specifications.	15.00	CUM			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
6	Supply and laying in position brick work with designate 75 bricks (compressive strength not less than 75 Kg/Sq.cm) in super structure at various elevations in cement-coarse sand mortar (1:6) including mixing mortar, laying bricks, raking joints, curing etc complete with all materials and labour but including cost of cement as per drawings and specifications.	31.00	CUM			
7	Half brick masonry with bricks of class designation 75 in cement mortar 1:4 (1 cement: 4 coarse sand with standard neeting at every fourth layer in superstructure above plinth at all elevations, including curing complete as per drawings, specifications and direction of E. I. C including cost of all materials, labour, tools and tackles etc. but including cost of cement.	55.00	Sqm			
8	Providing and laying in position cement concrete of specified grade excluding the cost of all work up to plinth & 1 st floor level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size	19.00	CUM			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
9	Supply, 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 steel with 18 SWG annealed wire or with welding such as tack, lap, but etc. with approved electrodes, providing concrete cover blocks, pins, chairs, nails, supports of reinforcement with all materials, labour tools and tackles complete as per drawings, specifications and directions of Engineer-in-charge but including cost of reinforcement steel Tor/Mild steel.	1450.00	Kg			
10	Providing dismantle and remove the form work of approved quality including splay, recess, corners, haunch etc. 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 shuttering including cost of all materials, labour, tools and tackles etc. complete as per specifications, drawings and directions of Engineer-in-charge.	150.00	Sqm			
11	15 mm thick (minimum) plastering with 1:6 (1 cement:6 coarse sand) to walls, channels in roof and other structures at various elevations including demolishing old plaster (if require), mixing, laying finishing, curing and necessary scaffolding work complete as per drawings, specifications and instructions of the Engineer with all materials and labour but including cost cement.	600.00	Sqm			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
12	Providing and fixing angle T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15 x 3 mm lugs 10 cm 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 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	150.00	Kg			
13	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15 x 3 mm lugs, 10 cm 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 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips 3.5 mm thick plain and special metal sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost other fittings window side hung.	200.00	Kg			
14	Providing & fixing 30 mm thick flush door shutter non-decorative type, core block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters as per the direction of E. I. C	15.00	Sqm			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
15	Providing & fixing oxidised 300 x 16 M. S sliding door bolts with necessary screws etc. including cost of all materials, labour, tools and tackles etc complete as per specifications and directions of Engineer-in-charge.	12.00	Nos.			
16	Providing & fixing M. S handles with necessary screws etc. including dismantling of damaged handles, if required disposal of rubbish upto a distance of 50 mtr. Including cost of all materials, labour, tools and tackles etc. complete as per specifications and directions of Engineer-in-charge 125mm long.	12.00	Nos.			
17	Providing & fixing oxidized M. S Tower bolts (barrel tpe) with necessary screws etc. including dismantling of damaged tower bolt, if required . Including cost of all materials, labour, tools and tackles etc. complete as per specifications and directions of Engineer-in-charge a) 200 x 10mm	12.00	Nos.			
18	Providing and laying Ceramic glazed floor tiles 300 x 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick Cement mortar 1 : 4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching prgment etc., complete as per the direction of EIC.	110.00	Sqm			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
19	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 6 mm thick bed of cement Mortar 1 : 3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	50.00	Sqm			
20	Providing & fixing M. S fan clamp type I or II of 16 mm dia M. S bar bent to shape with hooked ends in RCC slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete as per the direction of Engineer-in-charge.	10.00	Nos.			
21	Distempering with oil bound washable distemper of approved brand and manufacturer after preparation of surface properly with one coat of primer to give an even shade including cost of all materials, labour, tools and tackles etc. complete as per drawings, specifications and directions of Engineer-in-charge. Two or more coats on old work. Make: Dulux/Nerolac/Berger	275.00	Sqm			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
22	Providing and applying plaster of paris putty/branded ready mix wall putty of 2mm thick over plaster surface to prepare the surface even and smooth complete including cleaning of old surface and disposal of rabish upto 150m lead.	274.00	Sqm			
23	Applying one coat of cement primer of approved brand and manufacture on wall surface as per the direction of Engineer-in-charge.	274.50	Sqm			
24	Finishing walls with Acrylic smooth exterior paint of required shade with old work (Two or more coat applied @ 1.67 Ltr/10 Sqm) on existing cement paint surface as per the direction of EIC. Make - Dulux / Nerolac / Berger	289.00	Sqm			
25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: One or more coats on old work. Make - Dulux / Nerolac / Berger	50.00	Sqm			
26	Providing and fixing M. S pressed bright finished butt hinges with necessary screws etc. complete: 125 x 65 x 2.12 mm (heavy type)	30.00	Each			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
27	Providing & fixing G. I pipes TATA/Jindal make medium grade (internal & external) complete with G. I fittings like bend. 'T' union etc clamps including making chase in walls and making good the wall after housing G. I pipes or trenching and refilling as necessary, apply a coat of zinc chromate primer for concealed pipes and two coats of synthetic enamel paint over a coat of zinc chromate primer for exposed pipes and pipes below G. I to be painted with two coat of anti corrosive bitumastic paint of approved brand and manufacturer and necessary hydrostatic tests etc complete as per specification and the direction of the EIC. 15mm dia	30.00	RM			
	b) 25mm dia	30.00	RM			
28	Providing and fixing brass bib cock of approved quality as per the direction of EIC :15mm nominal bore	4.00	Nos.			
29	Providing and fixing white vitreous china wash basin with C. I/M. S brackets, 15 mm C. P brass pillar taps, 32 mm C. P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls. Flat back wash basin 550 x 400 mm with single 15 mm C. P brass pillar tap.	2.00	Nos.			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
30	Providing and fixing 600 X 450mm beveled eye mirror of superior glass 6 mm thick of approved quality complete with 6 mm thick hard board ground fixed to wooden cleates with C. P brass screws and washers. Make :MODI GLASS	2.00	Nos.			
31	Providing & fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes 110 mm diameter	20.00	RM			
32	Reinforced cement concrete work in walls with 1 : 1.5 : 3 (1 cement : 1.5 : coarse sand : 3 graded stone aggregate 20mm nominal size) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding cost of centering, shuttering, finishing and reinforcement as per the direction of EIC.	12.00	CUM			
33	Providing and fixing G. I chain link fabric fencing of required width in mesh size 25 x 25 mm made of G. I wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	300.00	Sqm			
34	Making audiometric room 7' x 4' x 4' at Turamdih Hospital as per the direction of Engineer-in-charge.	1.00	No.			
	Total of Part "A"					

Part “B” – Electrification of X-ray room at Turamdih Township

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
35	Supply & installation of single phase wall mounting, heavy duty 600 mm sweep Air circulator including all necessary hardwares & electronic regulator. Make - Crompton Greaves.	3.00	Nos.			
36	Supply & installation of 48" sweep brown colour, single phase ceiling Fan with electronic regulator including all necessary hardwares as required. Make - Crompton Greaves (Model - High Speed)	10.00	Nos.			
37	Supply & installation of 1 x 4' x 36/40 W, 230V Tube light fixtures on roofs with tubes including all necessary hardwares like-round block, ceiling rose, down rods etc. Make - Crompton. Type CPA 1124 HSB or cost wise equivalent fitting as approved by Engineer-in-charge.	20.00	Nos.			
38	Supply & installation of 450 mm sweep, single phase, heavy duty Exhaust fans with Lubers & all necessary hardwares for installation. Make - Crompton Greaves.	5.00	Nos.			
39	Supply & installation of CFL Lamp fixture with lamp of rating 9/11w, 230V (2 x 11wCFL) Type-TLLE 211 including tubes. This also includes necessary hardwares as required. Make - Crompton Greaves.	10.00	Nos.			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
40	Supply & installation of LED type Street light fitting equivalent to 70W HPSV fitting. This also includes supply of fixing pipe/channels and other required hardware for fixing without extra cost. Make - Philips	5.00	Nos.			
41	Supply & installation of sheet steel enclosed (2mm thick) dust and vermin proof (IP-55) wall mounted Power Distribution Board with hinged door interlock consisting of a) 250A, 500V, TPN MCCB-01 No. with backup fuses of 400 Amps. b) Outgoing MCCBs 100 Amps, 500V - 05 Nos. c) Meters:- i) CT operated 3-phase, 4-wire Energy Meter with 3 CTs of ration 250/5A. Make- CONZERV ii) Voltmeter, 500V, 96 x 96 iii)Ammeter, (0 - 250)A d) R, Y, B, N and earth bus with complete wiring by copper flat of suitable size and hardwares required for PDB. e) Elemex T Block with 20% spare for I/c & O/G feeders.	1.00	No.			
42	Supply & installation of sheet steel enclosed (2mm thick) dust and vermin proof (IP-55) wall mounted Main Distribution Board with hinged door interlock consisting of a) I/C - 100A RCCB, 300mA, 4 - P, 500V - 01 No.	3.00	Nos.			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
43	Point wiring on heavy duty PVC Conduit on wall/ceiling by PVC insulated & sheathed Cu Conductor cable 2 x 1C x 2.5 Sq mm + 1 x 1.5 Sq mm for earthing. This includes supply and fixing of PVC conduit and all accessories like round blocks, JB, cables/wire,sw Supply	70.00	Nos.			
	Installation	70.00	Nos.			
44	Point wiring on casing capping/PVC Conduit on wall / ceiling by telephone indoor type drop wire (Netco/National make). This includes supply and fixing of PVC conduit and all accessories like round blocks, IN/OUT box, drop wire, JB etc and fixing material. Supply	10.00	Nos.			
	Installation	10.00	Nos.			
45	Point wiring on heavy duty PVC Conduit on wall/ceiling by PVC insulated & sheathed Cu Conductor cable 2 x 1C x 6 Sq mm + 1 x 1.5 Sq mm for earthing. This includes supply and fixing of casing capping and all accessories like round blocks, JB, Cables/wires. Supply	20.00	Nos.			
	Installation	20.00	Nos			
46	Supply & laying of 2 x 1C x 4 Sq mm PVC insulated & sheathes Cu conductor + 1 x 1C x 1.5 Sq mm for earthing in: 16/25/35 mm dia, 2mm thick PVC conduit Supply	100.00	Mtr			
	Installation	100.00	Mtr			

	<u>(The above includes supply of PVC conduit pipe and JBs and all other accessories required for PVC conduit/channel wiring).</u>					
Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
47	Supply & laying of 2 x 1C x 10 Sq mm PVC insulated and sheathes Cu conductor + 1 x 1C x 1.5 Sq mm for earthing. 25/35 mm dia 2 mm thick PVC conduit. Supply	150.00	Mtrs			
	Installation	150.00	Mtrs			
	<u>(The above includes supply of PVC conduit pipe and JBs and all other accessories required for PVC conduit/channel wiring).</u>					
	Finishing, including equipment connection & supply of double compression type gland (COMET MAKE) & lugs (DOWELLS MAKE) of reputed make (to be approved by UCIL) of 1.1 KV grade PVC stranded 'Al' cable of the following size: i) 3.5/4C x 70 Sq.mm Supply	2.00	Set			
	Installation	2.00	Set			
	ii) 3.5/4C x 35/50 Sq mm Supply	6.00	Set			
	Installation	6.00	Set			
	iii) 2/3.5/4C x 16 Sq mm Cu Cable Supply	6.00	Set			
	Installation	6.00	Set			

Item No.	Description of item	Qty	Unit	Rate Rs. P	Rate in words	Amount Rs. P
48	Preparation of Earth pit with supply of al material including 3M long, 3.64 mm thick perforated GI tube with salk & charcoal in alternate layer and brick chamber at the top with chequered plate (6mm) thick as per IS-3043 with latest amendment Supply	12.00	Nos.			
	Installation	12.00	Nos.			
49	a) Supply and laying of 25 x 3mm GI earth strip under the ground (500mm below including earth excavation, back filling with brick protection, approx 4 bricks/mtr with supply of bricks and connection to equipment as well as earth grid. All joints to be welded	100.00	Mtr			
	b) --- do --- but 50/6	400.00	Mtr			
50	a) -- do -- but along the wall with clamping (including supply of clamps, nuts, bolts etc) & connection to equipment 25/3 mm	100.00	Mtr			
	b) --- do --- but 50/6	200.00	Mtr			
51	Supply and installation of lightening mask on the top of the building/roof/shed	6.00	Nos.			
52	Laying of 1.1 KV grade PVCA Al' cable of size 3/3.5/4C, 35/50/70 Sq.mm in underground trench of 760mm deep x 760mm wide in single tier formation including trench excavation & back filling with bricks (15 bricks/m) & sand, protection route maker etc. with supply	200.00	Mtr			

	Installation	200.00	Mtr			
53	Laying of 1.1 KV grade PVCA Al' cable of size 2/3.5/4C, 16/25/35/50 Sq.mm on wall including clamping with supply of clamp materials. Supply	80.00	Mtr			
	Installation	80.00	Mtr			
	Total of Part "B"					
	Total of Part "A" + Part "B"					
	Rebate if any in words (_____)				%	
	Grand Total of Part "A" + Part "B"					

(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