

BOQ for Annual civil maintainance work at Mohuldih for the year 2014-15

NIT No.:-MHD/CIV-99

Sl.N	Description of items	Qty	Units	Rates Rs. Ps.	Amounts RS. PS
1	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil A) All kinds of soil.	200	M ³		
	(Rate in Words)				
	B) Ordinary rock	5	M ³		
	(Rate in Words)				
2	Filling available excavated earth (excavated rock) in trenches , plinth, sides of foundations etc.in layers not exceeding 20cm in depth consolidation each deposited layer by ramming and watering, lead up to 50m and lift up to 1.5 m.	125	M ³		
	(Rate in Words)				
3	Supply and filling in plinth with sand under floors including, watering, ramming consoladition and dressing complete.	100	M ³		
	(Rate in Words)				
4	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.	10000	M ²		
	(Rate in Words)				
5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level 1:3:6 (1 Cement : 3 fine sand : 6 graded stone aggregate 20 mm nominal size). Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	50	M ³		
	(Rate in Words)				
6	Reinforced cement concrete work in floor , roof sleb,beam walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc and all types of works upto floor five level excluding cost of centring, shuttering 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). Cement & reinforce steel will be issued free of cost from Turamdih central store / Mohuldih departmental store.	20	M ³		
	(Rate in Words)				
7	Centering shuttering including removal of form work for all types of work. for providing and fixing straight shuttering a) Foundation, footings, bases of columns etc.	200	M ²		
	(Rate in Words)				
8	centering shuttering including removal of form work for all types of work. for providing and fixing straight shuttering b) suspended floors, roofs, landings, balconies, shelves etc.	200	M ²		

	(Rate in Words)				
9	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand 4 graded stone aggregate 20mm nominal size). Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	2	M ³		
	(Rate in Words)				
10	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars/ TMT bars. Reinforcement steel will be issued free of cost from turamdih central store / Mohuldih departmental store.	2000	Kg		
	(Rate in Words)				
11	Add or deduct for plaster drip course / groove in plastered surface or moulding to R.C.C projections. Size 1/2" x 1/2"	100	meter		
	(Rate in Words)				
12	Brick work with F.P.S. brick of class designation 75 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand.) for all types of works. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	50	Cum		
	(Rate in Words)				
13	Brick work with F.P.S brick of class designation 75 in superstructure and plinth in cement mortar 1:6 (1 cement : 6 coarse sand). Do in super structure for all types of works. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	50	Cum		
	(Rate in Words)				
14	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1: 6 : 12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at plinth level with cement mortar 1:6 (1 cement : 6 coarse sand). Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	20	Cum		
	(Rate in Words)				
15	Providing and fixing ISI marked flush door shutters conforming to IS 2202 (Part-1) decorative type, core of black board construction with frame of 1st class hard wood and well matched teak 3 ply vennering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick.	5	M ²		
	(Rate in Words)				
16	Providing and fixing ISI marked M.S pressed butt hangers bright finished with necessary screws etc . Complete. 125x65x2.12 mm	6	M ²		
	(Rate in Words)				
17	Providing and fixing ISI marked oxidised M.S sliding door bolts with nuts and screws etc Complete. 300 x 16 mm .	2	Each		
	(Rate in Words)				
18	Providing and fixing ISI marked oxidised M.S tower bolt black finish (Barrel type) with necessary screws etc complete. 250 x 10 mm.	4	Each		

	(Rate in Words)				
19	Providing and fixing ISI marked oxidised M.S handles conforming to IS : 4992 with necessary screws etc completed . 125 mm.	4	Each		
	(Rate in Words)				
20	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	16	Each		
	(Rate in Words)				
21	Providing and fixing bright finished brass casement stays (Straight peg type)with necessary screws etc.Completed.300 mm weighing not less than 330 gms.	16	Each		
	(Rate in Words)				
22	Providing and fixing to existing door frames 30mm thick glass fibre reinforced plastic (F.R.P) panelled door shutter of required colour and approved brand and manufacture made with fire-retardant grade unsaturated polyester resin moulded to 3 mm thick FRP laminate for forming hollow rails and styles with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings cast monolithically with 5mm thick FRP laminate for panels and conforming to IS : 14856-2000including fixing to frames.	4	sqm		
	(Rate in Words)				
23	Structural steel work riveted bolts or welded in built up sections trusses and framed work, including cutting hosting fixing in position and applying a priming coat of approved steel primer all complete. Structural steel will be issued free of cost from turamdih central store / Mohuldih departmental store.	500	Kg		
	(Rate in Words)				
24	Providing and fixing 1 mm thick M.S. steel door with frame of 40 x 40x 6mm angle iron and 3mm M.S. gussed plates at the junctions and corners all necessary fitting complete including applying a priming coat of approved steel primer. Using M.S.angels 40x40x6mm for diagonal braces.	2	sqm		
	(Rate in Words)				

25	Provide and fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/centre hung with beading and all members such as K11 B and K12 B etc. Completed of standard rolled steel sections , Joints mitred and flash butt welded and sash bars tenoned and riveted with 15 x 3mm lugs, 10cm long embedded in cement concrete blocks 15x 10x10 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 fixing crips or with bolts and nuts as required including providing and fixing of hinges pivots , float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design and as per the direction of Engineer-In -Charge. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	50	Kg		
(Rate in Words)					
26	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colour shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting risers of steps and dados over 12mm thick bed of cement mortar 1:3 @ 3.3kg per sqm including pointing in white white cement mixed with pigment of matchine shade complete.	10	sqm		
(Rate in Words)					
27	Providing and laying vetrified glazed ceramic floor tiles 300 x 300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours white ,ivory, grey, fume red brown , laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigment etc.complete. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	20	sqm		
(Rate in Words)					
28	Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand)finished with a floating coat of neat cement 18mm thick. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	5	sqm		
(Rate in Words)					
29	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate finished with a floating coat of next cement including cement slurry but excluding the cost of nosing of steps etc.complete. 40mm thick with 2mm nominal size stone aggregate. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	10	sqm		
(Rate in Words)					

30	Providing and 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.	25	R.M		
	(Rate in Words)				
31	Providing 15mm thick cement plaster 1 : 6 (1 Cement : 6 fine sand). Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	200	sqm		
	(Rate in Words)				
32	6 mm cement plaster to ceiling of mix : 1 : 3 (1 cement : 3 fine sand). Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	50	sqm		
	(Rate in Words)				
33	Neat cement punning. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	100	sqm		
	(Rate in Words)				
34	White washing with lime on new work three or more coats to give an even surface.	1000	sqm		
	(Rate in Words)				
35	Finishing walls with textured exterior paint make barger (7 yrs) weather coat or required shade. On New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg/10Sqm.	500	M ²		
	(Rate in Words)				
36	Painting with 1st quality synthetic enamel paint make sian/ barger or of approved brand and manufacture of required colour to give an even shade. Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	100	M ²		
	(Rate in Words)				
37	Making plinth protection 50mm thick of cement concrete 1:3: (1 cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth. Cement will be issued free of cost from Turamdih central store / Mohuldih departmental store.	10	M ²		
	(Rate in Words)				
38	Dry brick pitching half brick thick in drain including supply of brick and preparing the surface complete with F.P.S. brick of class designation 75.	10	M ²		
	(Rate in Words)				
39	Providing and fixing water closet squatting pan (Inding type W.C. pan) with 100mm sand cast iron P or S trap , 10 liter low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required. White vitreous china orissa pattern W.C.pan of size 580 x 440mm with integral type foot rests.	1	Each		
	(Rate in Words)				

40	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P.brass spreaders with brass unions and G.I clamps complete including painting of fittings and brackets cutting and making good the walls and floors wherever required.One urinal basin with 5 liter white P.V.C.automatic flushing cistern.	1	Each		
	(Rate in Words)				
41	Providing and fixing P.V.C low level flushing cistern with manually controlled device (handle level) conforming to IS : 7231 with all fittings and fixtures complete . 10liter capacity - White.	1	Each		
	(Rate in Words)				
42	Providing and fixing wash basin with C.I .brackets 15mm C.P.brass pillar taps 32mm C.P. brass waste of standard pattern including painting of fittings and brackets cutting and making good the walls wherever required. White vitreous china wash basin size 630x 450mm with a single 15 mm C.P.brass pillar tap.	1	Each		
	(Rate in Words)				
43	Providing and fixing 100mm sand cast iron grating for gully trap.	2	Each		
	(Rate in Words)				
44	Providing and fixing mirror.	2	Each		
	(Rate in Words)				
45	Providing and fixing PVC soil pipe 100mm dia.	10	M		
	(Rate in Words)				
46	Providing and fixing C.P towel rail completed with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm weighing not less than 170gms.	1	Each		
	(Rate in Words)				
47	Providing and fixing 1/2" brass ISI marked bib cock & stop cock (ISI)	5	Each		
	(Rate in Words)				
48	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (internal work)15mm dia. nominal bore	50	RM		
	(Rate in Words)				
49	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 20mm dia. nominal bore .	20	RM		
	(Rate in Words)				
50	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 25mm dia. nominal bore .	20	RM		
	(Rate in Words)				
51	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 40mm dia. nominal bore .	10	RM		

	(Rate in Words)				
52	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 50mm dia. nominal bore .	20	RM		
	(Rate in Words)				
53	Providing and fixing of super zinc/color coated steel crafazoial profile or profile tiles color coated steel sheet a) corrugated sheet up to 60 pitch	100	sqm		
	(Rate in Words)				
54	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50mm +/- 5% total coated thickness (TCT) thick zinc coating 120 gsm as per IS :277 in 240 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks bolt and nuts and or G.I. seam bolts and nuts , G.I.plain and bitumen washers complete. Ridges Plain (500-600mm)	10	RM		
	(Rate in Words)				
55	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50mm +/- 5% total coated thickness (TCT) thick zinc coating 120 gsm as per IS :277 in 240 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks bolt and nuts and or G.I. seam bolts and nuts , G.I.plain and bitumen washers complete. Gutter (600 mm over all girth)	10	RM		
	(Rate in Words)				
56	Providing and fixing C.P.brass bib cock of approved quality conforming to IS : 8931. 15 mm nominal bore.	4	Each		
	(Rate in Words)				
57	Providing and fixing C.P.brass angle valve for basin mixer and geyser points of approved quality conforming to IS : 8931. A) 15mm nominal bore.	4	Each		
	(Rate in Words)				
58	Providing and fixing Gate valv (GM) 25m	5	Each		
	(Rate in Words)				
59	Providing and fixing Gate valv (GM) 50m	5	Each		
	(Rate in Words)				
60	Providing and fixing brass stop cock of approved quality 20mm nominal bore.	10	Each		
	(Rate in Words)				
61	Providing and fixing hydrolic Door closer.	2	Each		
	(Rate in Words)				
62	Clearing of Septic tank manually / Mechanically.	50	Cum		
	(Rate in Words)				
63	Supply of Skilled laboures.	405	Mandays		
	(Rate in Words)				
64	Providing and fixing 15 mm Ø P.V.C.Connector.	4	Each		
	(Rate in Words)				

65	Providing and fixing glazed stone ware pipes/ hume pipe-150mm dia.	15	M		
	(Rate in Words)				
66	P.C.C. 1:5:10 for stone wirepipes 150mm dia.	15	M		
	(Rate in Words)				
67	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W.drain pipe 100 mm diameter , 1.8 m long complete as per standard design with F.P.S.bricks.	1	Each		
	(Rate in Words)				
68	Renewal old glass putty of glass panes (length) & painting the same.	1000	M		
	(Rate in Words)				
69	Refixing old glass panes 4 mm thick with putty and nails.	200	M ²		
	(Rate in Words)				
	Total Rebate if any Total (Total in words)				
Note:-					
1	Rates of all items must be written in figures and words without which tender are laible to be rejected.				
2	All the pages of tender documents must be duly signed by tenderer along with their seal.				
3	Over all rebate, if any must be quoted in the above column only.				
4	Conditional tender submitted by the tenderer will be summarly rejected without any prejudice, hence tenderr are advice to quate their rates as per N.I.T. conditions.				
5	The quoted rate should be inclusive of all Taxes and Duties including service Tax, if applicable.				
<div style="text-align: right;">Signature of tender with seal</div>					