

TENDER DOCUMENT

FOR

CONSTRUCTION OF MASJID AT JHARIA VIHAR COLONY TOWNSHIP AT  
BELGORIA

Tender Notice No : 03/2012-13

PLACE OF WORK : JHARIA VIHAR BELGORIA, DHANBAD

**PART – II**

**Price Bid**

JHARIA REHABILITATION AND DEVELOPMENT AUTHORITY  
HATIA MORE, GOLF GROUND ROAD, DHANBAD  
JHARKHAND

CONSTRUCTION OF MASJID AT JHARIA VIHAR COLONY TOWNSHIP AT  
BELGORIA

TENDER NOTICE NO : 03/2012-13

**SYNOPSIS**

I/We have gone through the Bills of Quantities in details in the attached sheets and I/We hereby quote my/our rates as follows :-

.....% (in figures) (.....) (in words) Percent above/ below the estimated rates, amounting to (in figures) Rs.....) (in figures) Rs. .... (in words) against the estimate value of Rs. 18,83,624/-

Signature of the Contractor

(Name of the Contractor)

## 1. Estimate for the work "Construction of Masjid , Jharia Bihar Colony at Belgoria".

### (A) Building Work

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
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 approval design specification and direction of E/I	M <sup>3</sup>	58.91	75.70	4459.49
2	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)	M <sup>3</sup>	145.78	10.35	1508.82
3	Providing P.C.C.M - 100 with nominal mix of (1.3.6) in foundation with approved quality of stone metal grade - III (50mm to 25 mm size) 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, taxes and royalty all complete as per building specification and direction of Engineer-in-charge.	M <sup>3</sup>	2816.12	15.21	42833.19
4	Providing designation 75A brick work in C.M. (1.4) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials raking out joints to 15 mm depth curing taxes and royalty all complete as per building specification and direction of E/I	M <sup>3</sup>	2412.32	33.18	80040.78
5	Providing R.C.C.M -200 with nominal mix of (1.1.5.3) in foundation and plinth with approved quality of stone chips 20 mm to 6 mm 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	M <sup>3</sup>	4393.26	11.96	52543.39
6	Providing R.C.C M 200 with nominal mix of (1.1 1/2 . 3) in columns with approved quality of stone chips 20 mm to 6 mm 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 vibration striking curing (but excluding the cost of reinforcement taxes and royalty all complete, as per building specification and direction of E/I.	M <sup>3</sup>	5060.62	5.58	28238.26
7	Providing R.C.C.M-200 in band at plinth level with nominal mix of (1.15.3) in foundation and plinth with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	4784.09	2.15	10285.79
<b>Total Page no - 1</b>					<b>219909.72</b>

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 1</b>		<b>219909.72</b>			
8	Providing 25 mm thick damp proof course with cement concrete M 200 with nominal mix (1.1.5.3) with approved quality of stone chips of 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening shuttering and mixing cement concrete in mixer with 5 % cico or any other approved water proofing compound and placing in position striking, curing, taxes and royalty all complete all complete as per building specification and direction of E/I.	M <sup>2</sup>	129.05	5.82	751.07
9	Providing designation 75A brick work in C.M. (1.4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm thick mortar joints, costs of screening materials scaffolding, raking out joints to 15 mm depth curing taxes and royalty all complete as per building specification and direction of E/I. a) G.F.	M <sup>3</sup>	2470.12	51.17	126396.04
	b) F.F	M <sup>3</sup>	2523.45	0.81	2043.99
10	Providing designation 125mm thick reinforced designation 75A brick work in C.M. (1.4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15mm depth curing, taxes and royalty (but excluding the cost of reinforcement) all complete as per building specification and direction of E/I.	M <sup>2</sup>	306.84	37.64	11549.46
11	Providing R.C.C.M -200 with nominal mix of (1.1.52.3) in band at lintel level with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	4799.69	2.32	11135.28
12	Providing R.C.C.M-200 with nominal mix of (1. 1 1/2. 3) in beam of all types with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	5983.06	9.32	55762.12
13	Providing R.C.C.M -200 with nominal mix of (1.1.5.3) in roof slab with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	5539.22	16.03	88793.70
<b>Total page no - 2</b>		<b>516341.38</b>			

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 2</b>					<b>516341.38</b>
14	Providing av 63 mm thick R.C.C.M-200 with nominal mix of (1.1:5.3) Chhajja with approved quality of stone chips 20 mm to 6 mm size graded and clean coarse sand of F.M. 2.5 to 3 including making drip course in concrete screening, centering, shuttering and mixing cement concrete in mixer and placing in position, vibrating, striking, 6mm cement plaster (1:4) in ceiling arid sides of chhajja with sand of F.M. 1.5. curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.	M <sup>2</sup>	650.58	7.11	4625.62
15	Providing 25 mm thick precast R.C.C.M-200 with nominal mix of (1.1:5:3) jali with approved quality of stone chips of 6 mm nominal size and clean coarse sand of F.M. 2.5 to 3 with 1.6mm thick M.S. wire as per approved design and drawing and placing the same in position true to plumb and level and property grouted with cement mortal (1:3) including cost of curing, scaffolding and finishing all complete as per building specifications and direction of E/I.	M <sup>2</sup>	155.69	1.95	303.60
16	Filling an foundation trenches and plinth in Layers not exceeding 150 mm thick well watered, rammed fully compacted and fine dressed with earth obtained from excavation 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)	M <sup>3</sup>	21.59	57.06	1231.93
17	Providing P.C.C.M - 100 with nominal mix of (1.3.6) in foundation with approved quality of stone metal grade - III (50mm to 25 mm size) 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, taxes and royalty all complete as per building specification and direction of Engineer-incharge.	M <sup>3</sup>	2816.12	18.83	53027.54
18	Providing and laying 25mm thick white makarana marble stone slab flooring of approved quality over 19mm thick base of lime mortal (1:1:1) (Lime putty surkhi, coarse sand) laid and jointed with white cement slurry including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/I.	M <sup>2</sup>	1500.31	171.00	256553.01
19	Providing and laying 25mm thick white makarana marble files in risers of step, skirting and pillars of approved quality over 12mm thick base of cement mortar (1:3) and jointed with white cement slurry mixed with pigment to match the shade of the slab including rubbing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/I.	M <sup>2</sup>	1802.72	17.56	31655.76
20	Providing 25mm thick first class patent stone flooring (1:2:4) with stone chips in two layers, bottom layer 19mm thick (1:2:4) with 12mm to 6mm size graded stone chips and top layer 6mm thick (1:2) with 6mm down stone chips, in panels including cost of curing, finishing the surface smooth by rubbing with carborandum stone, taxes and royalty with all complete as per building specification and direction of E/I.	M <sup>2</sup>	167.88	16.26	2729.73
<b>Total page no - 3</b>					<b>866468.56</b>

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 3</b>					<b>866468.56</b>
21	Providing 12mm. Cement plaster (1:3) with clean coarse sand of F.M. 1.5 with floating coat of neat cement in skirting including rounding of junctions with floor, curing, taxes and royalty all complete as per building specification and direction of E/I.	M <sup>2</sup>	120.87	24.4	2949.23
22	Supplying angle at site as required section as per E/I.	MT	45232.00	0.258	11669.86
23	Labour for fabricating, erecting, hoisting and fixing in position structural steel work in R.S. joist, channel, Angle, Tee, flat, plate, lattice member, built up compound section in column, girder, staircase, or truss including cost of gusset plates, holding down bolts, anchor plates at all heights and depths, bolting, welding (machining wherever necessary) with applying a priming coat of red lead paint all complete as per approved drawing, building specification and direction of E/I.	MT	9894.27	0.258	2552.72
24	Supplying, fitting and fixing M.S. grill gate with M.S. grills made of 20X6mm M.S flats or 16mm. M.S. square bars fitted on 25X25X6mm, M.S. Angle frame of size 60X60X6mm 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 completed as per drawing specification and direction of E/I. (when steel in not supplied by the deptt.)	Kg.	66.17	384.00	25409.28
25	Supplying fitting and fixing 38 mm thick good quality, well dressed and well seasoned sal wood fully glazed shutters in windows with oxidized iron fitting such as hinges, sliding door, bolts, tower bolts, handles or rings, hooks and eyes, cleats, sand blocks as per schedule taxes and royalty all complete as per building specification and direction of E/I. and thick plain single glass fitted with sal wood beads, taxes all completed as per building specification and direction of E/I	M <sup>2</sup>	1850.45	13.38	24759.02
26	Supplying, fitting and fixing 35mm thick solid core type decorative double teak flush door shutters with both sides decorative veneered with black board core bended with high quality phenol formal dehydrates synthetic resin of standard made with Aluminum fitting such as hinges, tower bolts, handle, clears and sand blocks and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	1409.51	7.80	10994.18
27	Supplying, fitting and fixing 35mm thick solid core type decorative single leaf flush door shutter with both sides decorative veneered with black board core bended with high quality phenol formal dehydrates synthetic resin of standard made with Aluminum fitting such as hinges, tower bolts, handle, clears and sand blocks and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	1332.68	9.27	12353.94
28	Providing 12mm. Thick 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/I.	M <sup>2</sup>	74.93	479.03	35893.72
<b>Total page no - 4</b>					<b>993050.51</b>

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 4</b>		<b>993050.51</b>			
29	Providing 6mm, Thick cement plaster (1:4) in ceiling 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/I.	M <sup>2</sup>	76.93	118.77	9136.98
30	Providing two coats of plastic emulsion paint of approved shade and make over a coat cement primer over new surface including preparing plastered surface by rubbing smooth with pumice stone or fine or fine sand paper, applying putty wherever required scaffolding washing of floors and taxes all complete as per building specification any direction of E/I.	M <sup>2</sup>	102.89	230.4	23705.86
31	Providing and fixing fan hook of 16mm dia M.S. bar 1 meter long bent to required size and shape placed in position and fixed in R.C.C slab/beam at the time of casting all complete as per building specification and direction of E/I (where material is not supplied by deptt.)	Each	97.18	10.00	971.80
32	Providing two coats of oil bound distemper of approved shade and make over a coat of cement primer over new surface including preparing the plastered surface by rubbing smooth with pumice stone of fine sand paper applying putty wherever required scaffolding washing of floors and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	50.90	96.19	4896.07
33	Providing two coat 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/I.	M <sup>2</sup>	46.71	263.52	12309.02
34	Providing primer one coat of rd lead paint of approved make over new steel surface including preparing the surface after cleaning, removing dust, 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)	M <sup>2</sup>	25.22	17.80	448.92
35	Providing two coast 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 direction of E/I.	M <sup>2</sup>	35.20	17.80	626.56
36	Providing Primer one coat of approved shade and make over new wooden surface including preparing the surface after cleaning, removing dirt, scales, smokes, grease and sand papering, including cost of scaffolding and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	17.73	38.42	681.19
37	Providing two coats of synthetic enamel paint over a coat of primer of approved shade and make over new wooden surface after cleaning removing dirt, scales, smokes, grease and sand papering, including cost of scaffolding and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	89.99	38.42	3457.42
38	300 mm sliding door bolt	Each	95.10	10.00	951.00
39	Providing and fixing Wooden cleat	Each	23.93	20.00	478.60
<b>Total page no - 5</b>		<b>1050713.91</b>			

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 5</b>		<b>1050713.91</b>			
40	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/I. a) 8 mm tor	MT	59281.90	1.97	116785.34
	b) 10 to 16 tor	MT	58126.90	1.97	114509.99
41	Providing R.C.C.M-200 with nominal mix of (1:1:5:3) in stair case with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 25 to 3 including centering, shuttering, screening, mixing cement concrete in mixer, placing in position vibrating, striking, curing taxes and royalty complete as per building specification and direction of E/I.	M <sup>3</sup>	8407.74	1.17	9837.06
42	Providing 75mm thick reinforced designation 75A Brick work in cement mortar (1:½) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials scaffolding, raking out joints to 15mm depth, curing, taxes and royalty (but excluding the cost of reinforcement) all complete as per building specification and direction of E/I.	M <sup>2</sup>	184.09	8.78	1616.31
43	Providing non-asbestos high impact Polypropylene reinforced cement 6mm thick corrugated sheets (as per IS. 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	M <sup>2</sup>	375.75	30.75	11554.31
44	Extra for straight cutting in non- asbestos polypropylene reinforced cement corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.	M	25.45	15.00	381.75
45	Providing and fixing ridges and hips in non-asbestos fiber cement high impact polypropylene reinforced with suitable fixing accessories of self drilling fastener and EPDM washer etc. complete. Corrugated serrated adjustable ridges	M	316.00	15.00	4740.00
46	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tube.	Kg.	85.10	851.98	72503.50
<b>Total page no - 6</b>		<b>Total `: 1382642.17</b>			



**(B) Compound wall including entrance minarets and dome for masjid.**

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
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 SOM including all lifts leveling, ramming the foundation trenches removing roots of trees shrubs all complete as per approval design specification and direction of E/I	M <sup>3</sup>	58.91	54.94	3236.52
2	Providing P.C.C.M-75 with nominal mix of (1:4:8) in foundation with approved quality of stone metal -III (50 mm to 25mm). Size 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, taxes and royalty all complete as per building specification and direction of Engineer-incharge.	M <sup>3</sup>	2511.42	6.93	17404.14
3	Providing designation 100A brick work with fly ash lime brick (FLAG) confirming to IS 12894-1990 (9"X4.5"X3") in CM. (1:6) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm 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/I.	M <sup>3</sup>	2132.68	39.09	83366.46
4	Providing designation 100A brick work with fly ash lime brick (FLAG) confirming to IS 12894-1990 (9"X4.5"X3") in CM. (1:6) in superstructure with approved quality of clean coarse sand of F.M 2 to 2.5. including providing 10 mm 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/I.	M <sup>3</sup>	2190.48	19.88	43546.74
5	Providing R.C.C.M -200 with nominal mix of (1.1.5.3) in foundation and plinth with approved quality of stone chips 20 mm to 6 mm 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	M <sup>3</sup>	4393.26	1.64	7204.95
6	Providing R.C.C M 200 with nominal mix of (1.1 1/2 . 3) in columns with approved quality of stone chips 20 mm to 6 mm 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 vibration striking curing (but excluding the cost of reinforcement taxes and royalty all complete, as per building specification and direction of E/I.	M <sup>3</sup>	5060.62	1.27	6426.99
7	Providing R.C.C.M -200 with nominal mix of (1.1.5.3) in roof slab with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	5539.22	0.528	2924.71
<b>Total page no - 7</b>					<b>164110.50</b>

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 7</b>					164110.50
8	Providing 12mm. Thick 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/I.	M <sup>2</sup>	74.93	270.64	20279.06
9	Providing 1.5mm. Cement punning including curing, carriage of water with all leads and lifts as per building specification and direction of E/I.	M <sup>2</sup>	27.82	16.72	465.15
10	Supplying, fitting and fixing M.S. grill gate with M.S. grills made of 20X6mm M.S flats or 16mm. M.S. square bars fitted on 25X25X6mm, M.S. Angle frame of size 60X60X6mm 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 completed as per drawing specification and direction of E/I. (when steel in not supplied by the deptt.)	Kg.	66.17	64	4234.88
11	Providing two coat 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/I.	M <sup>2</sup>	46.71	253.91	11860.14
12	Providing R.C.C.M-200 with nominal mix of (1:1:5:3) in stair case with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 25 to 3 including centering, shuttering, screening, mixing cement concrete in mixer, placing in position vibrating, striking, curing taxes and royalty compete as per building specification and direction of E/I.	M <sup>3</sup>	8407.74	0.48	4035.72
13	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/I. a) 8 mm tor	MT	59281.9	0.156	9247.98
		MT	58126.9	0.156	9067.80
14	Supplying, fitting and fixing 35mm thick solid core type decorative single leaf flush door shutter with both sides decorative veneered with black board core bended with high quality phenol formal dehydrates synthetic resin of standard made with Aluminum fitting such as hinges, tower bolts, handle, clears and sand blocks and taxes all complete as per building specification and direction of E/I.	M <sup>2</sup>	167.88	30	5036.40
<b>Total page no - 8</b>					<b>Total ` 228337.61</b>

**(C) Sanitary Installation**

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
1	Supplying fitting and fixing vitreous white glazed earthen ware 1W.C of parry Hindustan of any other I.S.S. approved make with 100mm H.C.I p trap 15 liters C.I. pull and let go flushing cistern of names of other I.S.S equivalent make, complete with all fitting C.I or C.C. brackets 32mm alkaline P.V.C telescopic flush, pipe about 2 M long with one brass coupling and clamps G.I. chain and pull including, supplying and fixing a pair of vitreous white glazed earthenware ware footrest to be fixed in floor 15mm C.I. body brass spindle stone cock of weight not less than 50grms. 15 mm P.V.C. connection pipe 450 mm long and the exposed pipe and cistern with two coats of approved paint over a coat of red oxide primer etc. all complete as per specification and direction of E/I. (A) 580 mm long Materials.	Each	3814.28	2.00	7628.56
2	Supplying, fitting and fixing flat back or angular, lipped front vitreous white glazed earthen ware urinal of Hindustan "Parry" or any other approved I.S.S make with 5 liters capacity C.I. automatic flushing cistern of reliance for any other I.S.S approved make with all fitting with C.I. or R.S brackets, standard size G.I. flush pipe with fitting clamps, 15mm C.I. body brass spindle stop cock of approved quality weight not less than 400 grams, 15mm P.V.C Alkaline pipe 450mm long with brass coupling at both ends and doing plumber joints including painting of exposed part with two coats of approved paint over a priming coat of red oxide, cutting wall and floor, making good the same etc all complete as per specification and direction of E/I.	Each	2424.19	2.00	4848.38
3	Providing & fixing soil waste & vent pipe -100mm dia.	M	460.16	10.00	4601.60
4	150mm dia R.C.C spun pipe. Up to 3.0 meter depth of invert below G.L dive item 10.6.1.1.	M	85.88	20.00	1717.60
5	Supplying fitting and fixing 250 X 20 X 6mm L-type M.S clamp properly fishtailed, including making holes and jamming the same in 375X125X75mm cement concrete block (1:2:4) with cost of all labour and materials and taxes as per building specification end direction of E/I.	Each	46.71	20.00	934.20
6	Providing and fixing H.C.I. double equal door junction (a)100X100X100	Each	484	2.00	968.00
	(b) 80X80X80	Each	423.5	2.00	847.00
7	Providing and fixing H.C.I. socket (a)100 mm	Each	126.5	8.00	1012.00
	(b) 80 mm		99	6.00	594.00
8	Providing and fixing Cowel (a) 100 mm	Each	187	2.00	374.00
9	Providing and fixing HCl Trap (a) 100 mm	Each	396	2.00	792.00
10	Providing and fixing Towel rail	Each	198	2.00	396.00
11	Providing and fixing soap dish	Each	88	2.00	176.00
12	Providing and fixing bend 100 mm dia	Each	264	2.00	528.00
<b>Total page no - 9</b>				<b>Total</b>	<b>25417.34</b>

**(D) Septic tank & Soak pit :-**

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
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 approval design specification and direction of E/I	M <sup>3</sup>	58.91	41.07	2419.43
2	Providing P.C.C.M-75 with nominal mix of (1:4:8) in foundation with approved quality of stone metal -III (50 mm to 25mm). Size 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, taxes and royalty all complete as per building specification and direction of Engineer-in-charge.	M <sup>3</sup>	2511.42	1.52	3817.36
3	Providing P.C.C.M-150 in nominal mix of (1:2:4) in foundation 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, taxes and royalty all complete as per building specification and direction of Engineer-in-charge.	M <sup>3</sup>	3894.96	2.29	8919.46
4	Providing designation 75A brick work in C.M. (1:4) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials raking out joints to 15 mm depth curing taxes and royalty all complete as per building specification and direction of E/I.	M <sup>3</sup>	2412.32	9.209	22215.05
5	Providing R.C.C.M-150 with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20 mm to 6 mm 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/I.	M <sup>3</sup>	5040.92	0.73	3679.87
6	Providing 25mm thick first class patent stone flooring (1:2:4) with stone chips in two layers, bottom layer 19mm thick (1:2:4) with 12mm to 6mm size graded stone chips and top layer 6mm thick (1:2) with 6mm down stone chips, in panels including cost of curing, finishing the surface smooth by rubbing with carborandum stone, taxes and royalty with all complete as per building specification and direction of E/I.	M <sup>3</sup>	167.88	6.00	1007.28
7	Providing 12 mm. Thick cement plaster (1:4) 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/I.	M <sup>2</sup>	84.02	20.90	1756.02
8	Providing 1.5mm, cement punning including curing, carriage of water with all leads and lifts as per building specification and direction of E/I.	M <sup>2</sup>	27.82	20.9	581.44
9	Providing designation 75A 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 10 mm thick mortar points, cost of screening materials raking out points to 15mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I.	M <sup>3</sup>	2215.42	5.68	12583.59
<b>Total page no - 10</b>					56979.50

S.N.	Particulars	Unit	Rate (₹)	Quantity	Amount
<b>Total page no - 10</b>					56979.50
10	Jhama brick blast (50mm)	M <sup>3</sup>	550.00	2.30	1265.00
11	Jhama brick blast (10mm)	M <sup>3</sup>	550.00	2.30	1265.00
12	Providing 75mm thick precast R.C.C.M-150 with nominal mix of (1:2:4) in jali with approved quality of stone chips 12mm and down well graded and clean coarse sand of F.M 2.5 to 3 with 1.6 mm thick M.S. wire as per approved drawing and design and placing the same in position true to plumb and level with 6mm dia M.S rods placed at regular intervals both horizontally and vertically as required and properly grouted with C.M (1:3) including cost of curing, scaffolding and finishing all complete as per building specification and direction. of E/l.	M <sup>2</sup>	429.87	3.08	1324.00
13	Iron foot rest	Each	86.60	8.00	692.80
14	150mm dia R.C.C spun pipe. Up to 3.0 meter depth of invert below G.L dive item 10.6.1.1.	MT	85.88	150.00	12882.00
15	Providing and Laying HCL band (100mm)	Each	264.00	2.00	528.00
16	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. a) 8 mm tor	MT	59281.90	0.08	4742.55
17	HCl cowl - 100 mm	Each	187.00	2.00	374.00
18	Providing designation 125mm thick reinforced designation 75A brick work in C.M. (1.4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15mm depth curing, taxes and royalty (but excluding the cost of reinforcement) all compete as per building specification and direction of E/l.	M <sup>2</sup>	306.84	2.70	828.47
19	HCl pipe (100mm 6ft)	Each	841.50	3.00	2524.50
<b>Total page no - 11</b>				<b>Total</b>	<b>83405.82</b>

**(E) Water Supply**

Sl.No.	Particulars	Unit	Rate (₹)	Quantity	Amount
1	Providing of G.I pipes of approved make in trenches with red lead and yarn with socket and screw joints and cutting pipes to sizes and threading ends where necessary etc. all complete as per specification and direction of Engineer-in-Charge (Pipes to be supplied departmentally free of cost) K(1) 15 mm dia	M	104.73	10.00	1047.30
	K(2) 20 mm dia	M	132.21	10.00	1322.10
	K(2) 25 mm dia	M	184.32	15.00	2764.80
2	Providing of fixing Gun metal full way valve of approved quality, all complete, as per specification and direction of E/I. a) 20 mm	Each	312.36	1.00	312.36
	b) 25 mm	Each	385.91	2.00	771.82
3	Providing and fixing brass/C.I Stop cock of approved quality all complete as per specification and direction of E/I.	Each	183.99	20.00	3679.80
4	Polythene water storage tank of ISI mark (e.g sintex / Sinter / Himgiri / Gangotri etc.) with cover and flocking system.	Lt.	4.95	1000.00	4950.00
5	Providing and fixing 15mm dia male ended C.I. Plug cock (Wt, not less than 400gms) of approved quality with extra socket all complete as per specification and direction of E/I.	Each	47.59	4.00	190.36
6	Providing and fixing G.M non-return valve Horizontal/vertical type of approved quality as per specification and direction of Engineer-in-Charge.	Each	402.41	1.00	402.41
7	Providing and fixing N.P/C.P brass /P.V.C porcelene shower rose of 15 mm inlet etc. all complete as per specification and direction of Engineer-in-Charge.	Each	90.49	1.00	90.49
8	Supplying and fixing G.I. fitting of approved make all complete as per specification and direction of E/I. A. Elbow – (a) 15 mm dia	Each	33.29	10.00	332.90
	(b) 20 mm dia	Each	43.96	10.00	439.60
	(c) 25 mm dia	Each	63.61	6.00	381.66
	B. TEE (PLAIN) (a) 15 mm dia	Each	40.99	6	245.94
	(b)20 mm dia	Each	53.86	4	215.44
	(c) 25 mm dia	Each	74.61	4	298.44
	C. REDUCING SOCKET (a) 20 mm dia	Each	38.46	6	230.76
	(b)25 mm dia	Each	53.71	8	429.68
	D. Nipple (a) 15 mm dia	Each	32.19	4	128.76
	E. Reducing Tee (a) 20 mm	Each	56.06	4	224.24
	(b)25 mm dia	Each	72.41	4	289.64
	F. Union socket (a) 20mm dia	Each	71.46	10	714.60
	(b)25 mm dia	Each	96.61	8	772.88
	G. SOCKET Plain (a) 15 mm dia	Each	31.09	10	310.90
	(b)20 mm dia	Each	37.36	8	298.88
<b>Total page no - 12</b>			<b>Total</b>		<b>20845.76</b>

**(F) Electrification work**

Sl.No.	Particulars	Unit	Rate (₹)	Quantity	Amount
1	Point wiring in PVC Conduit with piano type -do- (a) Group -A	Point	264	20.00	5280.00
	(b) Group- B	Point	305	10.00	3050.00
	(c) Group- C	Point	397	5.00	1985.00
2	Supplying and fixing piano type switch socket -do- 5/6 Amp. 3 pin socket -do-	Each	21	6.00	126.00
3	6 Pin 15/16 Amp. Socket	Each	43	4.00	172.00
4	Supplying and fixing ceiling rose	Each	19	8.00	152.00
5	Supplying and fixing brass holder -do-	Each	33	10.00	330.00
6	(a) Wiring for circuit wiring 2X4 sq. mm + 1X4 sq mm	Mtr.	97.00	150.00	14550.00
	(b) Sub main wiring 2X10 sq mm. + 1X10 Sq mm.	Mtr.	171.00	100.00	17100.00
7	Supply & testing & connection -do- TP &N-63 Amp.	Each	2308.00	1.00	2308.00
8	MCB in 100A - 10KA	Each	1613.00	1.00	1613.00
9	Supplying and fixing distribution top off box 16A - TP&N- 4way	Each	4882.00	1.00	4882.00
10	Earthing with copper plate 600X600X32mm - do-	Set	3263.00	1.00	3263.00
11	Supplying and laying aluminum armored cable 50 sq. mm 3 1/2 core.	Mtr.	473.84	50.00	23692.00
<b>Total page no - 13</b>				<b>Total `</b>	<b>78503.00</b>

**(G) Carriage of Materials**

Materials	Unit	Quality	Rate	Amount (₹)
Bricks up to 8 km.	/000	69.45	469.19	32585.25
Sand up to 3 km	M <sup>3</sup>	39.64	424.31	16819.65
Cement	MT	32.93	131.62	4334.25
Steel up to 10 km	MT	3.372	131.62	443.82
Metal (a) 40 mm	M <sup>3</sup>	13.94	204.44	2849.89
(b) 20 mm	M <sup>3</sup>	39.64	187.69	7440.03
<b>Total page no - 14</b>			<b>Total `</b>	<b>64472.89</b>

**Summary**

Estimate for the Work " Construction of Masjit, Jharia Biahir Colony at Belgoria,"

Based on JSOR 2011 and DSR 2012, Electrical items based on CPWD SOR 2007

Sl. No.	Sub Work	Amount
<b>A</b>	Building Works	1382642.17
<b>B</b>	Compound wall and other works	228337.61
<b>C</b>	Sanitary Installation	25417.34
<b>D</b>	Septic tank and soak pit	83405.82
<b>E</b>	Water Supply	20845.76
<b>F</b>	Electrification Work	78503.00
<b>G</b>	Carriage of materials	64472.89
<b>Total `</b>		<b>1883624.59</b>



TENDER DOCUMENT

FOR

CONSTRUCTION OF BOUNDARY WALL WITH FENCING FOR CHILDREN  
PARK AT JHARIA VIHAR COLONY TOWNSHIP AT BELGORIA

Tender Notice No : 03/2012-13

PLACE OF WORK : JHARIA VIHAR BELGORIA, DHANBAD

**PART – II**

**Price Bid**

JHARIA REHABILITATION AND DEVELOPMENT AUTHORITY  
HATIA MORE, GOLF GROUND ROAD, DHANBAD  
JHARKHAND

CONSTRUCTION OF BOUNDARY WALL WITH FENCING FOR CHILDREN PARK AT  
JHARIA VIHAR COLONY TOWNSHIP AT BELGORIA

TENDER NOTICE NO : 03/2012-13

**SYNOPSIS**

I/We have gone through the Bills of Quantities in details in the attached sheets and I/We hereby quote my/our rates as follows :-

.....% (in figures) (.....) (in words) Percent above/ below the estimated rates, amounting to (in figures) Rs.....) (in figures) Rs. .... (in words) against the estimate value of Rs. 13,57,007/-

Signature of the Contractor

(Name of the Contractor)

## 2. Construction of Boundary wall with fencing for children park at Belgoria

SN	Item	Unit	Qty	Rate	Amount
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m all kind of soil	100 sqm	5810.00	935.25	<b>54338.03</b>
2	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 50M including all lifts, levelling, ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I and extra for earthwork in hard soil as per specification and direction of E/I	cum	176.000	64.93	<b>11427.68</b>
3	Earthwork in by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 am in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5m, disposed earth to be levelled and neatly dressed all kind of soil.	cum	7.000	129.35	<b>905.45</b>
4	Providing course clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150 mm 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)	cum	13.000	145.78	<b>1895.14</b>
5	Providing designation 75 B one brick flat soiling joints filled with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I	sqm	250.000	115.67	<b>28917.50</b>
6	Providing P.C.C. M-100 with nominal mix of (1:3:6) in foundation with approved quality of stone metal grade-III (50 mm to 25 mm size) 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, taxes and royalty all complete as per building specification and direction of E/I	cum	21.000	2816.12	<b>59138.52</b>
7	Providing designation 75B 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 10 mm thick mortar points, cost of screening, materials, raking out joints to 15 mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I	cum	209.000	2126.08	<b>444350.72</b>
Page 1 total :					<b>600973.04</b>

SN	Item	Unit	Qty	Rate	Amount
	<b>Page 1 total:</b>				<b>600973.04</b>
8	Providing 12 mm, thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding and taxes and royalty all complete as per building specification and direction of E/I	sqm	1045.000	74.93	<b>78301.85</b>
9	Providing P.C.C. M-150 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20 mm to 6 mm 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, taxes and royalty all complete as per building specification and direction of E/I	cum	8.000	3894.96	<b>31159.68</b>
10	Supplying fitting and fixing M.S. grill gate with M.S grills made of 20x6mm M.S. flats or 16 mm square bars fitted on 25x25x6 mm. M.S. Angle frame.	kg	420.000	66.17	<b>27791.40</b>
11	Providing two coat of snowcem of approved shade and made 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/I	sqm	1045.000	46.71	<b>48811.95</b>
12	Providing 1.5 mm cement punning including curing, carriage of water with all leads and lifts as per building specification and direction of E/I	sqm	10.000	27.82	<b>278.20</b>
13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	7371.624	66.50	<b>490213.02</b>
14	Providing two coat of synthetic enamel paint of approved shade and make over steel surface.	sqm	290.000	35.20	<b>10208.00</b>
15	Providing precast RCC M-150 with nominal mix of (1:2:4) slab of desired size with approved quality of stone chips and clean coarse sand of FM 2.5 to 3 including curing, shuttering carrying the slab manually to site and laying in position all complete (but excluding the cost of reinforcement) taxes and royalty, all complete as per building specification and direction of E/I	cum	1.110	3695.03	<b>4101.48</b>
16	Providing Tor steel reinforcement of 8 mm dia rods as per approved design and drawing	mt	0.080	59281.90	<b>4742.55</b>
17	Carriage of materials				
	a) Bricks	per/1000	85265	406.86	<b>34690.92</b>
	b) Cement	per MT	28.500	101.72	<b>2899.02</b>
	c) Stone cheeps	per cum	28.000	162.75	<b>4557.00</b>
	d) Sand	per cum	112.000	162.75	<b>18228.00</b>
	e) Steel	per MT	0.500	101.72	<b>50.86</b>
	<b>Total amount :</b>				<b>1357006.96</b>

TENDER DOCUMENT

FOR

ROOF REPAIR AT JRDA OFFICE, HIRAPUR

Tender Notice No : 03/2012-13

PLACE OF WORK : GOLF GROUND ROAD, HATIA MORE, DHANBAD

**PART – II**

**Price Bid**

JHARIA REHABILITATION AND DEVELOPMENT AUTHORITY  
GOLF GROUND ROAD, HATIA MORE, DHANBAD  
JHARKHAND

# ROOF REPAIR AT JRDA OFFICE, HIRAPUR

TENDER NOTICE NO : 03/2012-13

## SYNOPSIS

I/We have gone through the Bills of Quantities in details in the attached sheets and I/We hereby quote my/our rates as follows :-

.....% (in figures) (.....) (in words) Percent above/ below the estimated rates, amounting to (in figures) Rs.....) (in figures) Rs. .... (in words) against the estimate value of Rs. 2,29,582/-

Signature of the Contractor

(Name of the Contractor)

### 3. BILL OF QUANTITY FOR ROOF REPAIR OF JRDA OFFICE

S N	Item of works	Unit	Rate	quantity	Amount
1.	Removal of old tarfelt and disposal of debris with all leads complete job as per direction of E/l.	Sqm.	12.28	420.00	5157.60
2.	Providing 25mm thick water proof cement plaster (1.3) with clean coarse sand of F.M. 1.5 with 5% cico or any other approved water proofing compound 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.	Sqm.	147.12	420.00	61790.40
3.	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 250C, 0.87-0.89 kg. litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using butasne torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 230C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 1500C. Cold flexibility shall be up to '-20C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorized applicator of the manufacturer of membrane: a) 3mm thick.	Sqm.	374.25	420.00	157185.00
4.	Dismantling old plaster and pointing in cement or lime and raking out joints to 15mm depth, watering and disposal of unserviceable materials with all leads all complete as per direction of E/l.	Sqm.	8.29	54.80	454.29
5.	Providing 12mm. Thick cement plaster (1.4) 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.	Sqm.	84.02	54.80	4604.30
	Carriage rate of materials by diesel truck (8.M.T. capacity) including loading, unloading and stacking on pucca road but including contractor's profit.				
6.	a) cement-up to 1 km.	M.T.	62.59	4.27	267.26
	b) sand-up to 20 km.	cum	9.44	13.08	123.48
	<b>Total:</b>				<b>229582.32</b>