

Bill of Quantity ( BOQ)

TENDER INVITING AUTHORITY- BLOCK DEVELOPMENT OFFICER, KOIRA

NAME OF WORK-"CONSTRUCTION OF MODEL AWC AT SARGIGARH , PATAMUNDA GP

SCHEDULE OF WORKS					
SL. No	Description of items	Quantity	Units	Rate(Rs)	Amount ( Rs)
1	2	3	4	5	6
1	Earth work in excavation of foundation in hard soil Within initial lead of 50m. and 1.5m. initial lift Including rough dressing and leveling the bed as directed by the Engineer-in-charge.	94.77	CUM	211.00	19996.00
2	Filling in Foundation and Plinth with sand well watered and rammed including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	50.40	CUM	1059.00	53374.00
3	Cement Concrete(1:3:6)with 4 Cm. size H.G.C.B. metal including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	23.9	CUM	5926.50	141643.00
4	C.C (1:2:4) with 12mm and down grade C.B. chips approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and including cost, carriage, royalty, cost of all labour T.&P. etc complete and as directed by E.I.C.	3.26	CUM	7336.20	23916.00
5	Brick masonry work with Fly Ash bricks in cement mortar (1:6) F & P including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	31.81	CUM	5516.00	175464.00
6	Brick masonry work with Fly Ash bricks in cement mortar (1:6) in <b>super structure</b> including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	45.90	CUM	5549.40	254717.00
7	Brick masonry work with Fly Ash bricks in cement mortar (1:4) in <b>super structure</b> including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	3.00	CUM	5765.10	17295.00
8	RCC work of M 20 grade with 20 mm and down grade black hard granite (Crusher Broken) chips including hoisting and laying & royalty of materials etc. complete as per the direction of Engineer-in-charge.	34.10	CUM	6309.10	215140.00
9	Providing M.S. reinforcement for R.C.C. work including cutting, bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20 gauge and cost and carriage of steel. etc. complete.	35.5	QTL	8506.90	301995.00
10	Rigid smooth centering and shuttering for RCC work including flase work and dismantling them after casting.				
a	Column Base footing/Septic Tank & Soak pit	21.90	SQM	234.90	5144.00
b	Plinth Band	20.50	SQM	234.90	4815.00
c	Lintel Band	30.40	SQM	529.80	16106.00
d	Beam& Column	47.90	SQM	1022.60	48983.00
e	Roof Slab & Chajja	138.00	SQM	677.60	93509.00
11	12 mm. thick cement plaster with cement mortar (1:6) over brick work including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	258.90	SQM	159.80	41372.00
12	16 mm. thick cement plaster with cement mortar (1:6) over brick work including cost, carriage & royalty of materials etc. complete as per the direction of Engineer-in-charge.	358.50	SQM	227.00	81380.00
13	6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chiping and slury treatment , watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	93.70	SQM	173.50	16257.00

14	12mm thick C.P. in C.M.(1:4) over brick masonry to the smooth surface with neat cement punning including watering curing, cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of Engg-in -charge.	21.01	SQM	179.70	3775.00
15	2.5 cm thick damp Proof Course in cement Concrete (1:2:4) using 12 mm size hgcb chips with all cost of materials, conveyance, labour, T&P etc. complete.	20.20	SQM	333.50	6737.00
16	Supplying, fitting and fixing vitrified tile ( <b>Printed</b> ) in floors of size 600mm x 600mm of approved make conformaimg to IS : 13755 laid on 20 mm thick cement mortar (1:4) (1 cement :4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of E.I.C. (For New work only)	69.00	SQM	1166.10	80461.00
17	Fixing Vitrified tiles (size 600mmx600mm) ( <b>Printed</b> ) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	7.70	SQM	1270.20	9781.00
18	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.	26.30	SQM	932.70	24530.00
19	Fixing glazed tiles (30cmx30cm / 40cm x 40cm special plain/printed series ceramic tiles of premium grade having thickness 7 mm to 8mm confirming to IS 13755) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1cement : 4sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles.	3.50	SQM	880.70	3171.00
20	Supplying, fitting and fixing Industrial Vitrified tile in floors of size 300mm x 300mm of approved make conformaimg to IS : 4457 laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of E.I.C. (For New work only)	6.30	SQM	1029.80	6488.00
21	Supplying, fitting and fixing Industrial Vitrified tile in dados of size 300mm x 300mm of approved make conformaimg to IS : 4457 laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) including cost of all materials, labour T&P etc. required for the work all complete as per direction of E.I.C. (For New work only)	2.70	SQM	1133.80	3061.00

22	Fixing Granite tiles above 0.40 Sqm. in floors treads or steps and on 20mm thick bed of cement mortar 1:4 (1cement : 4 sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including cost, carriage, royalty & taxes of all materials, cost of all labours T&P etc complete.	3.30	SQM	2795.80	9226.00
23	2.5cm thick grading concrete (1:2:2) on roof slab with 6mm size hard crusher broken granite chips on new work including watering curing cost of all materials, water-proofing compounds, T.& P. required for the works etc complete.	105.10	SQM	347.20	36491.00
24	Priming 1 coat to M.S. doors and Windows including all labour, materials, T&P etc. complete.	14.20	SQM	61.10	868.00
25	Painting 2 coats with any approved paint in iron works including sand papering, polishing surfaces, cost of paints, cost of all labour, T&P, etc complete in all floors as per direction of E.I.C.	14.20	SQM	152.60	2167.00
26	Finishing surface of walls with Cement based wall putty & making smooth to recive painting including cost of scaffolding etc. with cost of all materials, labour T&P etc. complete.	453.70	SQM	76.80	34844.00
27	Priming 1 coat with wall primer water bond cement primer including all labour, materials, T&P etc. complete.	677.10	SQM	66.80	45230.00
28	Finishing to the exposed surfaces of wall with weather coat of any approved shade on new work 2 coats to give an even shade including cost of weather coat all cost of all labours and T&P etc. complete .	353.00	SQM	82.20	29017.00
29	Wall painting 2 coats with plastic emulsion paint of approved shade on new work to give an even shade including cost of paint etc complete.	324.10	SQM	89.10	28877.00
30	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sunmica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete	10.5	SQM	10775.3	113141.00
31	Supplying , fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.	10.44	SQM	5010.6	52311.00
32	Supplying of M.S.sheet and angle welded doors and windows with all fittings of approved design and size at worksite including all cost of materials, loading, unloading, transporting charges & priming one coats with approved primer etc complete				
a	MS Grill	392.25	Kg	57.60	22594.00
b	MRP Door	3.15	SQM	2000.00	6300.00
c	WPC Chaukhat for Door	26.00	RMT	600.00	15600.00
33	Fitting, fixing of iron doors / windows shutter with frame of approved design and size with all labour and T&P required for the wok etc complete as per the direction of the Engineer-in-charge.	17.40	SQM	94.30	1641.00

34	Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018.	12.00	SQM	490.10	5881.00
35	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	25.00	Kg	290.80	7270.00
36	Const. of Electrification ( To be paid as per actual maintaining all formalities)				85583.00
37	Const. of PH & Sanitary (To be paid as per actual maintaining all formalities)				84199.00
38	Cost. Of Transparency Board				5000.00
39	Cost. Of Office Sign board after Completion				5000.00
	Sinking of 125 mm* 100 mm Dia Tube well through Odex Rig In Boulder formation areas with MS Casing Pipes				
40	Supplying all labour and drilling perfectly vertical bore holes in boulder formation areas with down the hole hammer drilling rigs or combination drilling rigs to suit the site condition with deployment of rigs, necessary accessories and consumables for a specified depth below G.L. including supply of necessary casing shoe, odex tools and plants jointing materials, extra sockets where required withdrawing of pipes, lowering the M.S. (ERW) pipes and fitting and fixing in perfectly vertical position including cutting and welding for jointing the pipes for simultaneous casing lowering in over burder formation till encounter of hard rock and to drill 100mm DTH up to desired depth as may be necessary , cleaning the site and washing bore etc all complete. Providing sanitary sealing up to 5 mts depth below G.L. as per the direction of EIC				
a	(A) 125MM DIA DRILLING( Odex Metod)	50.00	RMT	1800.00	90000.00
b	(b) 100 mm dia drilling ( DTH Metod)	30.00	RMT	620.00	18600.00
41	Cleanning and developing the tube well using their own compressor continuously worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipment and labour as per the direction of Engineer-in- Charge	1.00	No	3634.90	3635.00
42	<b>Supplying all labour &amp; T7P fitting &amp; fixing India Mark -II Hand pump complete with cylinder connecting rod 32 mm dia GI pipe of requied length with supply of extra sockets of approved make all complete as per UNICEF specifications and IS specification</b>	1.00	no	1704.00	1704.00

43	Supplying all materials labour and T & P and constuction of platform for indian mark - II Hand pumps as per IS Specification of 1.85 mts outside dia meter and 3 mts lenth of drain with CC (1:2:4) with 12mm hg chips all complete including 76 cm x 76 cm x 40 cm deep CC foundation around the Tube Wells as per UNICEF designed drawing and Direction of EIC	1.00	no	6640.00	6640.00
44	125 mm dia ERW pipe (4.85 mm thickness ) including 8% transportation	50.00	mts	2149.20	107460.00
45	Cost of India Mark-II Hand Pump Complete Set	1.00	No	14812.00	14812.00
				<b>Total</b>	<b>2483201.00</b>
	Total= 45 ( Forty Five no. of item)	<b>Twenty Four Lakhs Eighty Three Thousand two hundred one rupees only/-</b>			
	My Quoted rate is .....				
	( Figure & Words) Excess over / Less than/ Equal to above eztimated cost				
	Note				
	1. The Contractor should not write anything excsept quating of percentage and in case of anything regarding Tender stick out which are not applicable				
	Total 45 (Forty Five) nos. of items only				
	Nos. of Correction				
	Nos. of Overwriting				
	Nos. og Interpolation				
	Approved for 45 (Forty five) Nos. of items only				

Full Signature of Contractor with Date

  
 Block Development Officer  
 Koira