B.O.Q for मंडल कारा मुंगेर परिसर में चार अदद बोरिंग,MCU ROOM निर्माण , नाली का निर्माण/ढक्कन लगाने का कार्य,मंडल कारा मुंगेर परिसर में ग्रिल और अन्य कार्य-2026-27

Estimated Cost -		**Earnest Money -**	**₹ 2,397,196.00**
Cost of BOQ -		**Date of Tender -**	
		Time of Completio	

Sl. No.	SOR	Description of work	Quantity	Unit	Rate	Amount
1	2	3	4	5	6	7
1	2.8.1	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 as directed, within a lead of 50 m.				
			140.68	m^3	360.70	₹ 50,743.00
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
			14.60	m^3	287.30	₹ 4,195.00
3	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,				
			191.64	m^2	283.30	₹ 54,292.00

4	4.1.3	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)				
			16.19	m^3	3,998.10	₹ 64,729.00
5	5.2.2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement. 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)				
			0.55	m^3	5,670.00	₹ 3,119.00
6	5.9.6	Centring and shuttering including strutting,propping etc. and removal of form for. Columns,Pillars, Piers, Abutments, Posts and Struts				
			8.64	m^2	494.40	₹ 4,272.00
7	5.9.5	Centring and shuttering including strutting,propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.				
			10.41	m^2	211.60	₹ 2,203.00
8	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	1,536.23	kg	94.50	₹ 145,174.00
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	38.58	kg	92.60	₹ 3,573.00

9	9.48.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding				
			1,810.97	kg	144.50	₹ 261,685.00
10	13.82.1 13.81.3	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: New steel work (two or more coats) Applying priming coat: With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works				
			112.20	m^2	118.10	₹ 13,251.00
11	13.11.4	12 mm cement plaster of mix: 1:6(1 cement: 6 coarse sand)				
			111.52	m^2	141.50	₹ 15,780.00
12	6.1.12. A	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 .:4 (1 cement: 4 coarse sand)				
			52.73	M^3	5,017.90	₹ 264,594.00
13	13.11.2 +13.26	12 mm cement plaster of mix: 1:4(1 cement :4 coarse sand) Neat cement punning				
			457.76	M^2	193.10	₹ 88,394.00
14	5.3	Reinforced cement conrete work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).				
			23.72	M^3	5,335.90	₹ 126,568.00
15		Providing labour for cleaning the site				

			35.00	nos	398.00	₹ 13,930.00
16	21.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling,C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic				
			231.27	KG	386.10	₹ 89,293.00
17	2631	SUPPLYING OF 4MM THICK A.C.P1(1100.00+12%GST+15%C.P+1% L.CESS				
			14.17	M^2	1,430.96	₹ 20,277.00
18	21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness(weight not less than 10kg/sqm)				
			11.34	M^2	809.30	₹ 9,177.00

19	24.1.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.All types of soil 300 mm dia				
I		All types of soil 300 mm dia	240.000	m	486.80	₹ 116,832.00
II	24.1.2.1	Rocky strata including Boulders, 300 mm dia	120.000	m	1,118.60	₹ 134,232.00
20	24.3.2	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths,as per direction of Engineer -in-charge.				
		150 mm nominal size	260.000	m	660.10	₹ 171,626.00
21	24.4.2	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
		150 mm nominal size	100.000	M	673.50	₹ 67,350.00
22	24.8	Gravel packing in tubewell construction in accordance with IS: 4097,including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.				

			19.076	cum	1,343.20	₹ 25,623.00
23	24.12	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully develo ped, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete,including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	48.000	hour	916.80	₹ 44,006.00
24	14.13.2	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:				
		150 mm dia	4.000	each	210.70	₹ 843.00
25	24.14.2	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
		150 mm dia	4.000	each	1,531.40	₹ 6,126.00
26	24.15.2	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).				
		150 mm dia	4.000	each	281.80	₹ 1,127.00
27	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
		25 mm nominal bore	4.000	each	532.30	₹ 2,129.00

28	18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete				
		25 mm nominal size	4.000	each	399.20	₹ 1,597.00
29	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end) :				
		25 mm nominal bore				
a	18.19.1.1	horizontal	4.000	each	506.60	₹ 2,026.00
b	18.19.1.2	vertical	4.000	each	573.50	₹ 2,294.00
30	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge				
		.external work				
I	18.9.2	20 mm nominal outer dia Pipes	80.000	m	205.30	₹ 16,424.00
II	18.9.3	25 mm nominal outer dia Pipes	320.000	m	294.70	₹ 94,304.00
31	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve,with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10(1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominalsize) and inside plastering with cement mortar 1:3 (1 cement : 3coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :	4.000	each	7,210.60	₹ 28,842.00

32	24.11.2	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture,including hire & labour charges, fittings & accessories, all complete,for all depths, as per direction of Engineer -in-charge				
		. 150 mm nominal size	4.000	M	1,727.20	₹ 6,909.00
33	18.48	providing and placing on terrace water storage tank …	4000.000	M	9.70	₹ 38,800.00
34	rate approved by S.E. munger	Supplying ,fitting and fixing water submersiable motor of 1 h.p. of approved brand with starter,hanging wire and eletric wire with all complete.	4.000	each	15,650.00	₹ 62,600.00
35		Carriage of materials				
		Coarse sand	40.86	m^3	1,218.36	₹ 49,782.00
		Stone chips	35.98	m^3	3,454.91	₹ 124,308.00
		local sand	17.47	m^3	277.20	₹ 4,843.00
		Bricks	32,231.00	0%	840.43	₹ 27,088.00
36		Extra cost of materials				
		Cement	400.00	Bag	1.00	₹ 400.00
		Bricks	32,231.00	0%	306.64	₹ 9,883.00
						₹ 2,275,243.00
		Add 5.36% G.S.T				₹ 121,953.00
					Total=	**₹ 2,397,196.00**

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