

ARA MUNICIPAL CORPORATION

BILL OF QUANTITY							
GROUP-46							
NAME OF WORK: नगर निगम आरा वार्ड संख्या 06 के अंतर्गत (1) विन्ध्यावाशिनी के सामने नागा बाबा मंदिर के पास बोरिंग निर्माण एवं नया सबमर्सिबल पंप ,टंकी अधिष्ठापन कार्य।							
Amount of BOQ:				Rs.	291660.00		
Cost of BOQ				Rs.	750.00		
Earnest Money				Rs.	5900.00		
Time of Completion				2 MONTHS			
Date of Tender				20-05-2026			
S.No	Item No BCD.SOR. 2022 & model	Item of works	Quantity		Unit	Rate	Amount
1	24.1.1.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part-1), 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 150 metre depth below ground level. (ALL TYPES OF SOIL) 300 mm dia	90.00	m	P/M	₹ 486.80	₹ 43,812.00
2	24.3.2	Supplying,assembling,lowering and fixing invertical position in borewell,unplasticized PVC medium well casing(CM)pipe of required dia,conformingtoIS:12818, including requiredhire and labour charges, fittings& accessories etc.all complete, for all depths,as per direction of Engineer -in-charge 150 mm nominal size dia	45.00	m	P/M	₹ 660.10	₹ 29,704.50

3	24.3.4	Supplying,assembling, lowering and fixing invertical position in borewell,unplasticizedPVC medium wellcasing(CM)pipe of required dia,conforming toIS:12818, including required hire and labour charges, fittings & accessories etc.all complete, for all depths,as per direction of Engineer -in-charge 50 mm nominal size dia	45.00	m	P/M	₹ 236.70	₹ 10,651.50
4	Model Estimate	Cost of 50mm x 3.05 m long UPVC ribbed screen pipe (strainer) as per relevent ISS	3.00	No.	Each	₹ 1,612.50	₹ 4,837.50
5	Model Estimate	UPVC Reducing Socket as per relevant IS	1.00	No.	Each	₹ 275.00	₹ 275.00
6	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 develop ed, 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.	10.00	hour	P/H	₹ 916.80	₹ 9,168.00
7	Model Estimate	Supplying all labour and material and fitting and fixing G.I. Cap over the new sunked T/Well	1.00	No.	Each	₹ 144.00	₹ 144.00
8	Model Estimate	Supplying all equipments tools and installation of 2 HP single phase submersible motor pump set of crompton/CRI/KSB/ISI or any other standard equipment make with electric cable and 7/20 wire and 2x3/20 PVC copper wire with UPVC Coloum pipe	1.00	No.	Each	₹ 40,000.00	₹ 40,000.00
9	18.48	Providing and placing on iron stand Polythylene water storage tank. ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings.	2000.00	Ltr	P/LTR	₹ 9.70	₹ 19,400.00

10	20.1.1	For foundation of Iran stand Boring providing and installing bored cast-in-situreinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap to carry a safe working load not less than specified excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length og the pipe to be embedded in the pile cap etc.all complete including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap) 400 mm dia pile	4.00	m	P/M	₹ 1,966.90	₹ 7,867.60
11	5.22.1F	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Mild steel 10.0 mm dia	30.00	Kg	P/KG	₹ 96.70	₹ 2,901.00
12	18.75	providing and fixing PTMT extension nipple for water tank pipe fittings of approved quality colour and make (Prayag or equipment) 25 mm nominal bore weighing not less than 62 gms	8.00	No.	Each	₹ 100.60	₹ 804.80
13	18.18	providing and fixing ball valve (brass) of approved quality High or low presure with plastic floats complete 25 mm nominal bore	1.00	No.	Each	₹ 540.00	₹ 540.00
14	18.7	providing and fixing chlorinated polyvinyl chloride (CPVC) pipes having thermal stability for hot & cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes & fitting with one step CPVC solvent cement trenching refilling & testing nof joints complete as per direction of E/L					
	18.7.4	32mm dia	30.00	m	P/M	₹ 395.20	₹ 11,856.00
	18.7.1	15mm dia	25.00	m	P/M	₹ 172.00	₹ 4,300.00
		1" Elbow	6.00	No.	Each	₹ 45.00	₹ 270.00

		0.5" Elbow	4.00	No.	Each	₹ 35.00	₹ 140.00
15	18.57.1	Providing and fixing PTMT push cock of approved quality and colour 15mm nominal bore 98mm long weighing not less than 75 gms	5.00	No.	Each	₹ 96.40	₹ 482.00
16	Model Estimate	cost of iron stand (minimum 3m height structural steel work riveted or bolted in built up sections trusses and framed work including cutting hosting fixing in position and applying coat of approved ateefer primer all complete	500.00	Kg	P/KG	₹ 95.40	₹ 47,700.00
17	Model Estimate	cost of fitting and fixing of foundation of iron stand with bolt and require accessories	1	LS	LS	₹ 2,500.00	₹ 2,500.00
18	Model Estimate	cost of Electrification	1	LS	LS	₹ 7,500.00	₹ 7,500.00
		Construction of platform					
19	2.8.1	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed (4.00x1.20x0.15+4.00x0.25x0.25	0.97	CUM	p/cum	₹ 360.70	₹ 349.88
20	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete. (4.00 x 1.20 x 0.075 +4.00 x 0.25 x 0.075)	0.43	CUM	p/cum	₹ 287.30	₹ 123.54
21	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. (4.00 x 1.20)	4.8	SQM	p/cum	₹ 283.30	₹ 1,359.84
22	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size (4 x1.20 x0.10+4 x0.25 x0.25)	0.73	CUM	p/cum	₹ 3,998.10	₹ 2,918.61
23	6.1.14A	Providing 100A B/W (1:6) 4x0.25x1.05	1.05	CUM	p/cum	₹ 4,819.90	₹ 5,060.90

24	13.17.2	12 mm cement plaster 1:4(1 cement: 4coarse sand) finished with a floating coat of near cement Details of cost for 10 sqm (4x1.2+2x1.05x4+2x0.25x1.05+1x4x0.25)	14.725	SQM	p/sqm	₹ 192.20	₹ 2,830.15
25	6.47A	Providing 250mm wide brick drain in cement mortar (1:6) with av. 150mm clear depth and 125mm apron concrete (1: 4:8), over one brick designation 100-A flat soling in proper grade and slope at the base, the drain duly plastered in CM. (1:6) with punning over exposed surface all complete as per building specification and direction of E/I,	3	MTR	p/m	₹ 1,087.90	₹ 3,263.70
26	18.33.1	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 : With common burnt clay F.P.S.(non modular) bricks of class designation 100A	1	Each	Each	₹ 7,210.60	₹ 7,210.60
27		Carriage of material					
	A	BRICKS	680	nos	p/th	₹ 919.21	₹ 625.06
	B	local sand	0.50	CUM	p/cum	₹ 310.47	₹ 155.86
	C	coarse sand	0.87	CUM	p/cum	₹ 655.07	₹ 569.67
	D	stone chips	0.64	CUM	p/cum	₹ 2,407.82	₹ 1,546.78
28		difference in cost of material					

	A	BRICKS	680	nos	P/nos	₹ 270.58	₹ 183.99
	B	CEMENT	0.38	MT	p/mt	₹ 356.44	₹ 136.80
							₹ 2,71,189.27
			Additional			5.36%	₹ 14,535.74
29		sign board	1	nos	p/nos	₹ 5,530.00	₹ 5,530.00
30		SEIGNIORAGE FEE					
	A	BRICKS	680	nos	p/th	₹ 506.00	₹ 344.08
	B	LOCAL SAND	0.50	CUM	p/cum	₹ 14.18	₹ 7.12
	C	COARSE SAND	0.87	CUM	p/cum	₹ 17.58	₹ 15.29
	D	STONE CHIPS	0.64	CUM	p/cum	₹ 59.54	₹ 38.25
							₹ 2,91,659.75
						say	₹ 2,91,660.00