

Bill of Quantity for

NAME OF WORK :-

Construction of 450mm x 400mm x 150m
Deep High Yeild Tubewell under Nagar
Panchayat Naubatpur

Date of Tender :-

NIT No.:-

/2026-27 (E-Tendering)

Group :-

B.O.Q. Amount :-

14,81,702.70

Earnest Money :-

29,600.00

Time of Completion :-

03 Months

Cost of BOQ :-

25,00.00

Bid Processing Fee :-
(Through online payment)

1150.00

Sl. No.	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
		High Yeild Tubewell					
1		Providing all materials, labour and equipment for drilling by Reverse Rotarty rig Machine for following dia of bore hole in all kind of soil mixed with kankar, sand stone including providing sample box and collection starta samople at every 3.0 M depth of drilling for ascertaining proper aquifer for completing High Yielding Tube Well etc. all complete and as per direction of engineer-in-charge. (a) 450 mm dia bore from G.L. to 45.0 m below G.L.	30.00	PM	681.50	six hundred eighty-one	20445.00
2		(b) 400 mm dia bore from 45.0 m to 115.0 m below G.L.	60.00	PM	681.50	six hundred eighty-one	40890.00
3		(c) 400 mm dia bore from 115.0 m to 160.0 m below G.L.	60.00	PM	896.50	eight hundred ninety-six	53790.00
4		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 and as per direction of engineer in-charge.					
5		(b) 300 mm x 6 mm thick pipe ISI mark	30.00	PM	2053.00	two Thousand fifty-three	61590.00
6		(b) 200 mm x 5.4 mm thick pipe ISI mark	60.00	PM	2003.70	two Thousand three	120222.00
7		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. 200 mm nominal size dia.					
8		200 mm nominal size dia	60.00	PM	2119.10	two Thousand one hundred nineteen	127146.00
10		Providing all tools and labour including supplying fitting & fixing the following accessories for aforesaid 250 mm x 200 mm T/W etc. all					
11		(i) 300 mm x 200 mm dia M.S. Reducer	1.00	Each	1000.00	one Thousand	1000.00
12		(ii) 300 mm dia M.S. well cap	1.00	Each	400.00	four hundred	400.00
13		(iii) 150 mm dia M.S. well shoe plug	1.00	Each	281.80	two hundred eighty-one	281.80
14		(iv) Centre guide suitable for 200 mm dia pipe	4.00	P.Pair	250.00	two hundred fifty	1000.00
15		(v) Centre guide suitable for 150 mm dia pipe	15.00	Each	200.00	two hundred	3000.00

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16	(vi) MS clamp 200 mm					
17	Carriage of Pea Gravel from Dhalbhumgarh (taken av. Distance 500 Km)	1.00	P pair	1738.00	one Thousand seven hundred thirty-eight	1738.00
18	Providing all materials, labour and tools for providing and placing around tube well double washed opea gravel conforming to IS:8419-1977 of size 4 mm to 8 mm from dalbhumgarh of east singhbhum (JH) inclusive of loading, carriage, unloading & stacking in proper shape for measurement at site. (Stock measurement of clean and washed gravel shall be taken 13" as 12" in height to count void) etc. all complete and as per direction of engineer-in-charge.	15.00	PM ⁴	5450.77	five Thousand four hundred fifty	81761.55
		15.00	PM ⁴	1343.20	one Thousand three hundred forty-three	20148.00
19	Supplying all materials, labours and equipments with fuel & lubricants and developing and testing the tube well with air compressor for 12 bours to leave sand free clear water is discharged and providing V-notch for measuring the discharge of the tube well at various depth etc. all complete and as per direction of engineer in-charge.					
20		25.00	P.Hr.	916.80	nine hundred sixteen	22920.00
21	Transportation and erection of drilling plants, developing equipments & all other required tools and M/C by and suitable mechanical means including all cost of loading, unloading, placing at work site and back after completion of work etc. all complete and as per direction of engineer-in-charge.					
22		1.00	Each	15000.00	fifteen Thousand	15000.00
23	Supplying all materials and labours for arrangement for additional water required during the drilling period of 70 Hrs. & site clearance & levelling etc. and providing the soap duster etc. to staff engaged in drilling etc. all complete and as per direction of engineer-in-charge.					
24		1.00	Each	40000.00	forty Thousand	40000.00
25	Chemical and bacteriological testing of water sample including the cost of collection, carrying to designated PHE/ other laboratories and submission of report in triplicate as per direction of engineer-in-charge.					
26		1.00	Each	1500.00	one Thousand five hundred	1500.00
27	Installation of Pump &					
28	Supplying and installation of 15.00 HP Submersible pump and motor having discharge 17.49 Lps against a total head of 75 Mtr including doing power(control panel) and light wiring S/F service wire extension of LT line (0.3 Km) & 100 mm dia GL medium class column pipe, 150 mm dia N/R Valve, 100 mm dia flange etc. all complete and as per direction of engineer-in-charge. (detail attached)	1.00	EACH	231120.0	two Lakh thirty-one Thousand one hundred twenty	231120.00
29	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 100 mm dia. Pipe etc. all complete as per building specifications and direction of E/I.	60.00	M	1181.0	one Thousand one hundred eighty-one	70860.00
30	Demolishing cement concrete and disposal of material within 50 metre lead 1:3:6 or richer mix all complete as per building specifications and direction of E/I. 110 mm -	3.25	P/M ³	970.9	nine hundred seventy	3155.43

31	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 100 mm dia. Pipe etc. all complete as per building specifications and direction of E/I. 110 mm -	137.20	P/M ³	1181.10	one Thousand one hundred eighty-one	162046.92
32	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. 100 mm nominal size dia	137.20	P/M ³	546.10	five hundred forty-six	74924.92
33	Providing all materials labours tools and tackles for fitting, jointing and testing to cast (spun) iron standard specials conforming to IS specification etc. all complete and direction of E/I. 10 % of Item No.- 16	1	JOB	7492.5	seven Thousand four hundred ninety-two	7492.50
34	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 100 mm diameter, Class II etc. all complete as per building specifications and direction of E/I.	3.00	P/M	4498.03	four Thousand four hundred ninety-eight	13494.09
35	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 80 mm dia etc. all complete as per building specifications and direction of E/I.	3.00	P/M	6412.00	six Thousand four hundred twelve	19236.00
36	Providing lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead : 100 mm diameter pipe etc. all complete as per building specifications and direction of E/I.	3.00	NOS	227.70	two hundred twenty-seven	683.10
37	Providing and fixing plain bend of required degree : 100 mm : Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS - 15905 etc. all complete job as per specification and direction of E/I.	6.00	CUM	346.10	three hundred forty-six	2076.60
38	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded each etc. all complete as per approved specifications and direction of E/I.	6.00	JOB	1076.95	one Thousand seventy-six	6461.70
40	Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm. top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse 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 100 A	1.00	JOB	7797.69	seven Thousand seven hundred ninety-seven	7797.69
41	with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse 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 100 A	1.00	JOB	7797.69	seven Thousand seven hundred ninety-seven	7797.69
44	Road Cutting and restoration Supplying and filling in plinth with local sand and under floors including watering, ramming consolidating and dressing all complete job as per specification and direction of E/I. 110 mm -	0.98	PM	287.30	two hundred eighty-seven	281.55
45	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering taxes. Royalty all complete job as per building specification and direction of Engineer-in-Charge..	21.33	P/M	283.30	two hundred eighty-three	6042.79
46	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering all work upto plinth level 1:1.5:3 (1 cement : 1.5 coarse sand : 3graded stone aggregate 20 mm nominal size) etc. all complete as per building specifications and direction of E/I. 110 mm -	0.81	P/M	5247.90	five Thousand two hundred forty-seven	4250.80

47	Carriage of the following Materials from quarry to work site including loading, unloading and staking at work site as per specification and direction of E/Coarse sand	0.36	P/M ³	1101.04	one Thousand one hundred one	396.37
48	Stone aggregate	0.69	P/M ³	2063.20	two Thousand sixty-three	1423.61
49	Local sand	1.30	P/M ³	310.47	three hundred ten	403.61
50	Cement -	0.32	MT	417.33	four hundred seventeen	133.55
51	Steel -	0.000	MT	417.33	four hundred seventeen	0.00
52	Bricks -	672	Nos	919.21	nine hundred nineteen	617.71
54	Bricks -	672	Nos	268.32	two hundred sixty-eight	180311.04
55	Cement -	0.320	MT	260.58	two hundred sixty	83.39
57	Add Extra GST @	1.00	JOB	67368.66	sixty-seven Thousand three hundred sixty-eight	67368.66
59	Add Seignorage Fee 10% Stone Aggregate -	0.69	P/M ³	62.50	sixty-two	43.13
60	Local sand -	1.30	P/M ³	14.19	fourteen	18.45
61	Sone sand -	0.36	P/M ³	25.10	twenty-five	9.04
62	Bricks -	672	NOS	506.00	five hundred six	340.03
					Total Rs.	1481702.00

PERMISSIBLE LIMIT

1	B.O.Q Amount		Rs.-	14,81,702.70	(A)
2	Cost of Govt. Material		Rs.-	Nil	(B)
3	Permissible Limit				
4	Name of the Contractor				
5	Address of the Contractor				
6	I/we offer in Figures In words mentioned in the bill of quantity	in figures			
		in words			
7	Registration No.				
8	Up to date Character Certificate No.				
9	Up to date Labour Licence No.				
10	PAN Card No.				
11	VAT Regn. No.				
12	All other Papers as per NIT				
	Note :- Evaluation will be doe as per the information & document attached with tender papers.				

Executive Engineer
Nagar Vikash Division, Patna West

B.O.Q APPROVED FOR ITEM NO (U) TO.....OF 62
1481702 = 14,81,702 (Fourteen lakh eighty one thousand seven hundred two rupees only)

Assistant Engineer
Nagar Vikash Division
Patna West

Executive Engineer
Nagar Vikash Division
Patna West