

Bill of Quantity for							
NAME OF WORK :-				नौबतपुर जलापूर्ति योजना के वार्ड संख्या- 10 एवं 11 के अतिरिक्त कार्य (पाईपलाईन नेटवर्क एवं गृह संयोजन)			
NIT No.-				01 /2021-22 (E-Tendering)			
Group :-				01			
B.O.Q. Amount :-				71,66,708.00			
Earnest Money :-				Rs. 144,000.00			
Time of Completion :-				6 Month			
Cost of BOQ :-				Rs. 15000.00 (In shape of Demand Draft only)			
Bid Processing Fee :- (Through online payment)				as per beltron			
Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
1	15.2 4.	Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead all complete as per building specifications and direction of Engineer-in-Charge.					
		For 80 mm and 65 mm dia Pipes					
		65 mm dia -	31.25	M <sup>3</sup>			
		80 mm dia -	34.38	M <sup>3</sup>			
			65.63	M <sup>3</sup>	503.30	#NAME?	33029.00
2	11.7 3.	Providing designation 100 A one brick on edge 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..					
		For 80 mm and 65 mm dia Pipes					
		65 mm dia -	250.00	M <sup>2</sup>			

Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
		80 mm dia -	275.00	M²			
			525.00	M²	449.80	#NAME?	236145.00
		Deduction for 80% Brick which are taken out during dismantling work will be reused	22.68	%0 Nos	-5215.00	#NAME?	-118276.00
3	15.2.1	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.					
		For 80 mm and 65 mm dia Pipes					
		65 mm dia -	37.50	m³			
		80 mm dia -	41.25	m³			
			78.75	m³	944.40	#NAME?	74372.00
4	4.5.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering all work upto plinth level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) etc. all complete as per building specifications and direction of E/I.					
		Qty as per item no.- 4	78.75	m³	4820.90	#NAME?	379646.00
5		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/I					
	(i)	Coarse sand (45 Km) -	35.04	m³	802.88	#NAME?	28133.00
	(ii)	Stone chips (120 Km) -	70.08	m³	1263.39	#NAME?	88538.00
6	2.6.1	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 nearly dressed. All kinds of soil all complete as per building specifications and direction of Engineer-in-Charge.					
		For 100 mm dia Pipes	415.80	m³			
		For 150 mm dia Pipes	518.40	m³			
			934.20	m³	314.90	#NAME?	294180.00

Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
7	2.26.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering lead etc. all complete as per building specifications and direction of Engineer-in-Charge..					
		Qty as per item no.- 7 of 90%	840.78	m³	116.50	#NAME?	97951.00
8	18.2 7.1	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.					
		100 mm dia - 840.00 m	840.00	m	1170.50	#NAME?	983220.00
	18.2 7.3	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 150 mm dia. Pipe etc. all complete as per building specifications and direction of E/I.					
		150 mm dia - 960.00 m	960.00	m	1770.90	#NAME?	1700064.00
9		Supplying labours, tools, tackles lubricant etc. for laying and jointing C.I./ S typon socket and spigat pipe in trenches supplying rubber gasket (rubber gasket confirming to I.S.S. 5282 - 1969 and making gasket joints including providing right guard, barrier and red light against accident etc. all complete as per the drawing provided by the consultant and direction of Engineer-in-charge					
		100 mm dia pipe -	156.24	Kg			
		150 mm dia pipe -	288.00	Kg			
			444.24	Kg	62.57	#NAME?	27796.00
10	18.1 2.8	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. complete job as per building specifications and direction of E/I. External work 80 mm dia nominal bore					
		80 mm dia -	680.00	M	784.20	#NAME?	533256.00
	18.1 2.7	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. complete job as per building specifications and direction of E/I. External work 65 mm dia nominal bore					
		65 mm dia -	1220.00	M	633.80	#NAME?	773236.00

Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
11	18.3 1.1.2	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.					
		100 mm dia -	4.00	each	4232.80	#NAME?	16931.00
	18.3 1.3.2	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) : 150 mm diameter, Class II etc. all complete as per building specifications and direction of E/I.					
		150 mm dia -	8.00	each	6192.40	#NAME?	49539.00
	18.3 1.4.2	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) : 200 mm diameter, Class II etc. all complete as per building specifications and direction of E/I.					
		200 mm dia -	1.00	each	13041.10	#NAME?	13041.00
12	18.1 7.6	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : all complete as per building specifications and direction of Engineer-in-Charge.80 mm nominal bore					
		80 mm dia -	6.00	each	2217.90	#NAME?	13307.00
	18.1 7.5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : all complete as per building specifications and direction of Engineer-in-Charge.65 mm nominal bore					
		65 mm dia -	10.00	each	1488.10	#NAME?	14881.00
			Total Rs.		A		5238989.00
		House to House Service Connection					
13	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 : All Kinds of soil all complete as per building specifications and direction of E/I.				#NAME?	
		for Pipe Laying	1.08	m³	360.70		390.00

Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
14	2.26.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering lead etc. all complete as per building specifications and direction of E/I.				#NAME?	
			1.08	m³	116.50		126.00
15	PHE D	Providing and fixing MDPE pipe (POE80 confirming IS : 15801/2008 and ISO 4427 with latest amendment PN12.5 (OD 20 mm) etc. all complete as per building specifications and direction of E/I.				#NAME?	
			6.00	m	16.94		102.00
16	PHE D	Lowering laying and jointing M.D.OP.E. Pipes in proper position including all specials by compression fitting/ electrofusion and butt fusion jointing procedure including hydraulic testing as per relevant IS code complete with all materials for jointing procedures like Electronfusion machine, Electric mirror/ heater, Butt fusion welding machine with hydraulic jack, top loading clamp, etc. pump and accessories for hydraulic testing and all labour as directed by Engineer-in-charge as per IS- 7634 OPart II 212 (amended upto date) Including Contractor's profit & Over head, water charge labour cess but excluding trenching & refilling, road cutting and restoration the same				#NAME?	
			6.00	m	3.03		18.00
17	18.7. 1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia .Pipes.				#NAME?	
			1.00	m	165.90		166.00
18	18.2 0.1	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main : 15 mm nominal bore etc. all complete as per building specifications and direction of E/I.				#NAME?	
			1.00	Each	295.10		295.00

Sl. No	SOR	Particulars	Quantity	Unit	Rate		Amount
					in Rs.	in word	
1		2	3	4	5		6
19		Providing and fixing H.D.P.E. electrofusion service saddle including all complete job as per direction of E/I				#NAME?	
			1.00	Each	400.00		400.00
20	18.1 5.1	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore all complete job as per technical specifications and direction of E/I.				#NAME?	
			1.00	Each	302.50		303.00
					Total Rs.		1800.00
		Hence Cost of 709 Nos. (B)	709	Each	1800.00	#NAME?	1276200.00
		Total Cost of Project = A + B					6515189.00
		Add 5 year x @ 2.0% maintainance charge (2% per year of Total cost)	5.00		2%	#NAME?	651519.00
						G.Total Rs.	7166708.00
						Say Rs.	<b>71,66,800.00</b>
<p style="text-align: right;">Executive Engineer Nagar Vikash Pramandal, Patna Western</p>							