Lumbini Province Government

Ministry of Urban Development, Energy, Irrigation and Water Supply

Water Supply and Sanitation Office

Tamghas Gulmi

Bill of Quantity

Estimated Cost Without VAT and PS-	2590446.84	

Name of Project : Holwang Okhreni Khanepani Marmat tatha Tanki Nirman Aayojana Madane 2 Gulmi

Name of Work: Various Construction Works

Location: Madane rural muncipality - 2

Contract No :-WSSOGulmi/NCB/WORKS/2083/084-06

SN	Description of Items	Unit	Total Quantity	Rate (NRs.)		Amount (NRs.)	Remarks
				In Figures	In Words		
A	**Insurance of work, against accident to workman including third party insurance**	**LS**	**1**	**15000.00**	**Rs. Fifteen thousand only**	**15,000.000**	
B	**Construction of RCC TANK 20 cum as per instructed by engineer**						
1	Site clearance(L= d+4 m,B=d+4 m)	m²	49.000				
2	Earthwork in excavation for foundation in	m³	41.430				
3	Earthwork in back filling with	m³	14.250				
4	Stone soling work	m³	3.490				
5	Stone masonry in 1:4 c-s mortar	m³	2.610				
6	PCC (1:3:6) in foundation	m³	2.950				
7	PCC (1:1½:3) for RCC work with 2% WPC	m³	9.910				
8	PCC (1:2:4) for RCC work	m³	2.740				
9	Shuttering works for RCC for vertical walls	m²	54.880				
10	Shuttering works for RCC for dome portion	m²	13.890				
11	Staging work for dome	m³	29.990				
12	Steel reinforcement	kg	1527.150				
13	12.5 mm thick 1:3 cement-sand plaster	m²	36.810				

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14	3 mm thick 1:1 cement sand punning	m²	36.810				
15	12.5 mm thick 1:4 cement-sand plaster	m²	65.560				
16	Bitumen paint on the buried surface of storage tank	m²	11.610				
17	Two coats of ready made plastic emulsion paint or weather coat for 1 m² (N13-5a+b+c)	m²	34.040				
18	Standard Manhole cover set 60×60 cm size	set	2.000				
19	Supply and Installation of Pipes & fittings	job	1.000				
20	Site levelling work	job	1.000				
21	Lab test of concrete block as per instruction given by engineer	job	1.000				
B	**Transmission line work as per instructed by engineer**						
1	E/W in excavation in hard soil Upto 50MM	m³	523.688				
2	E/W in backfilling in hard soil Upto 50MM	m³	523.688				
3	Laying & Joining of HDPE & GI Pipes						
	DN 50 PN 10	m	1360.000				
	DN 40 PN 10	m	760.000				
C	**Three Suspended Cable Crossing - 50m,50m &20m as per instructed by engineer**						

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1	E/W in excavation In Hard Soil	m3	7.060				
2	Stone soling	m3	1.300				
3	PCC work in 1:2:4	m3	5.130				
4	Steel bar cutting,placing and binding as per drawings	Kgs	176.870				
5	Formwork	m2	54.720				
6	12.5 mm thick(1:4)Cement Plaster	m2	10.800				
7	13 mm dia. Size Steel wire cable supply for fixing into anchorage block and placing above GI pipe fixed with colum assuming 20% sag and far distance both side from bank of stream/khola)	Mtr	180.000				
8	13 mm Bull dog grip supply for anchor block	Nos.	24.000				
9	50 mm Bull dog grip , clamp with complete set supply @ 8 nos. Steel wire cable	Nos.	30.000				
10	Transportation of 3 ton pulley,clamping the suspenser to cable, Sterching the cable ,placing HDP pipe,tightening the cable with Bull-Dog Grip etc all complete work	Job	1.000				
D	**Collection Chamber (Two Room) as per instructed by engineer**						
1	Site clearance	m²	8.000				
2	Earthwork in excavation for fondation work in hard soil	m³	3.930				

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3	Dry stone soling	m³	0.980				
4	Plain Cement Concrete (1:2:4)	m³	1.260				
5	Stone masonry work in 1:4 c-s mortar	m³	4.360				
6	Centering & shuttering work for PCC/RCC	m²	3.620				
7	Steel reinforcement	kg	51.650				
8	12.5 mm thick 1:4 c-s plaster	m²	17.560				
9	3 mm thick 1:1 c-s punning	m²	10.600				
10	Supply and installation of standard man hole cover - 600mm Dia.	set	2.000				
11	Installation of pipes and fittings	job	1.000				
E	**Pipe & Fitting**						
a	**HDPE Pipes**						
1	DN 50 PN 10	m	1360.000				
2	DN 40 PN 10	m	760.000				
b	**GI pipe**						
1	50 mm (MC) GI Pipe	m	3.000				

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2	50 mm (MC) GI Pipe	m	3.000				
3	40 mm (MC) GI Pipe	m	4.000				
4	32 mm (MC) GI Pipe	m	0.800				
5	15 mm (MC) GI Pipe	m	1.000				
c	***GI Fittings(NS Mark)***						
1	GI elbow 50 mm	PC	1.000				
2	GI elbow 40 mm	PC	4.000				
3	GI elbow 32 mm	PC	1.000				
4	GI Socket 50 mm	PC	2.000				
5	GI Nipple (4" long) 50 mm	PC	3.000				
6	GI Nipple (4" long) 40 mm	PC	3.000				
7	Brass Union 50 mm	PC	1.000				
8	Brass Union 40 mm	PC	4.000				
9	Brass Union 32 mm	PC	1.000				
10	GI Union 50 mm	PC	1.000				

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				In Figures	In Words		
11	GI Union 40 mm	PC	6.000				
12	GM Gate Valve 50 mm	PC	1.000				
13	GM Gate Valve 40 mm	PC	2.000				
14	GI equal tee 15 mm	PC	1.000				
15	GI Unequal Tee 40 mm*40mm*15 mm	PC	1.000				
16	End Cap 50 mm	PC	1.000				
	Total without VAT						
	Value Added Tax(VAT) @ 13%						
	Total wirthout Insurance						
	Grand Total with insurance & VAT						

Behalf Firm:

Name of Firm :

Date :

Signature :

Stamp

Behalf Office: