Bill of Quantities (BOQ)

Saurikot Khanepani Aayojana

IFB No.: PRM/NCB/W/W/PAR/03/2083-84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Insurance for the loss of Damage to work, plant and materials, equipment, Properties, Personnel injury or Death including third party insurance as described in the condititons of contract.(Also it should cover for risks like Riot,Strike, Damage,Malicious damage).	PS	1.00	62,558.00 Sixty-two thousand five hundred fifty-eight rupees only.	62,558.00 Sixty-two thousand five hundred fifty-eight rupees only.
PS.2	Provide, operate and maintain Quality control laboratory including Quality Control engineer, equipment, accessories and consumables for both field testing facilities and off-site test with manpower along with Tranportation facility for employer as per specification and instruction of engineer.(Lab test for quality control of work and construction material all complete)	PS	1.00	30,000.00 Thirty thousand rupees only.	30,000.00 Thirty thousand rupees only.
PS.3	Relocation of public utilities/services and repairing for existing infrastructure (Drinking Water Supply pipe, drainage, houses, electricity poles, Temple, Foot staircase, Foot trail, Slabs etc) as instructed by engineer (SS/SP- 111).	PS	1.00	1,00,000.00 One lakh rupees only.	1,00,000.00 One lakh rupees only.
PS.4	Supply, delivery, fitting and installation of water supply pipelines and fitting items, manhole cover for reservoir tank, Aluminium pipe ladders for tank inside, Air Valve etc., with necessary testing as instructed by engineer.	PS	1.00	1,30,000.00 One lakh thirty thousand rupees only.	1,30,000.00 One lakh thirty thousand rupees only.
	Total provisional sums				3,22,558.00 Three lakh twenty-two thousand five hundred fifty-eight rupees only.

Construction work for water projects CPV: 45240000-1 - Construction work for water projects						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Providing and installation of Project Signboards with size of 1.8 x 1.2 m as per specification (SS/SP - 108) and instruction of Site Engineer.	Nos	1.00			

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1.2	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal ofunserviceable materials and stacking of serviceable Material to be used or auctioned, up to a lead of 30 meters including removal and disposal of top organic soil not exceeding 150 mm in thickness as instruction of Site Engineer.	m2	68.00			
1.31	Earth Work in excavation in soft clay & silty soil including disposal (10m lead and 1.5m lift) by manual means as instruction of Site Engineer.	m3	1,221.76			
1.32	Backfilling of structures/pipeline pits in 20cm layers with all types of excavated soil (soft soil, medium hard soil, hard soil, GBM soil, Medium rock, hard rock) including compaction with water sprinkling all complete as per Drawing and Specifications using manual means (hand rammer as instruction of Site Engineer.	m3	933.27			
1.33	Filling by stone in the foundation and levelling including haulage distance upto 30m as instruction of Site Engineer.	m3	11.64			
1.34	Wooden form work incl. supply & selection of material fixing , nailing according to drawing, placing seperators dismentaling forms and hauling upto 30m distance for vertical surface, wall, soffit, ring beam etc. as instruction of Site Engineer.	m2	288.00			
1.35	Cutting , Bending, placing in position as shown in the Drawing & binding of HYSD Reinforcement Bars for RCC works incl. haulage up to 30 m as instruction of Site Engineer.	kg	1,540.87			
1.36	Concreting of foundation, vertical faces, wall etc. in ratio of 1:2:4 (M 15) including supplying of material and haulage 30m as instruction of Site Engineer.	m3	18.68			
1.37	Providing and placing R.C.C. works M 20/20 (1:1.5:3) including compaction, curing, etc all complete as instruction of Site Engineer.	m3	25.62			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.38	RR masonary work in 1:6 Cement Sand Mortar with block stone and bond stone including supplying of materials, mortar mixing, laying and carriage upto 10m as instruction of Site Engineer.	m3	14.47			
1.39	Providing and plastering with 12.5 mm thick cement sand mortar works all complete as per Drawing and Cement Sand Mortar (1:4) as instruction of Site Engineer.	m2	205.05			
1.40	Providing and making 3 mm thick cement punning works including curing all complete as per Drawing and Specifications as instruction of Site Engineer.	m2	79.61			
1.41	Providing and applying plastic emulsion Paint as per Specifications including one coat primer and two coat weather coat paint work as instruction of Site Engineer.	m2	33.61			
1.42	80*80 cm rect. Metal standard manhole cover set on the reservoir tank in perfect line and level including fitting work etc., all complete as directed by site engineer.	Kgs	48.00			
1.43	Providing mechanically woven double twisted gabion boxes/crates /mattress with diaphragm including rolling, cutting and with lacing wire of Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm,mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm ; assembling Gabion boxes mattresses, palcing in position including stretching, forming compartments; tying with bracing wires and tie wires; tying down the lid complete; and providing and filling stone / boulder in gabion boxes / mattresses etc. including dressing, beding, bonding and all transporation as per specification. [SS 2402]*	m3	9.00			
1.44	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 90mm PN10 HDPE Pipe	rm	100.00			
1.45	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 75mm PN10 HDPE Pipe	rm	4,850.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.46	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 63 mm PN6 HDPE Pipe	rm	100.00			
1.47	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 40mm PN10 HDPE Pipe	rm	600.00			
1.48	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 40mm PN16 HDPE Pipe	rm	450.00			
1.49	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 32mm PN10 HDPE Pipe	rm	180.00			
1.50	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 25mm PN12.5 HDPE Pipe	rm	400.00			
1.51	Supply, delivery, installation, fitting and testing of HDPE Pipe in perfect line and level for entire water supply project work all complete as directed by engineer. 20mm PN 16 HDPE Pipe	rm	560.00			
1.52	Laying HDPE Pipe including fitting works all complete. Butt welded joints Outer dia. 63mm, 75mm and 90mm	rm	5,050.00			
1.53	Laying HDPE Pipe including fitting works all complete. Butt welded joints Outer dia. 40 mm	rm	1,050.00			
1.54	Laying HDPE Pipe including fitting works all complete. Butt welded joints Outer dia. 32mm	rm	180.00			
1.55	Laying HDPE Pipe including fitting works all complete. Butt welded joints Outer dia.20mm and 25mm	rm	960.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.56	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.GI pipe medium 80mm	rm	4.80			
1.57	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.65mm GI Medium Pipe	rm	1,154.20			
1.58	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.GI Pipe 50mm	rm	7.90			
1.59	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.GI medium pipe 40mm	rm	0.60			
1.60	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.GI medium Pipe 32mm	rm	3.20			
1.61	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.GI Pipe medium 20mm	rm	1.00			
1.65	Supply, delivery, installation, fitting and testing of GI Pipe in perfect line and level for entire water supply project work all complete as directed by engineer.Gi Pipe medium 15mm	rm	47.60			
1.113	Laying of GI pipe including transportation upto 500m all complete. Inner dia. 65mm, 80mm	rm	1,159.00			
1.114	Laying of GI pipe including transportation upto 500m all complete. Inner dia. 50mm, 40mm	rm	8.50			
1.115	Laying of GI pipe including transportation upto 500m all complete. Inner dia. 32mm	rm	3.20			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.116	Laying of GI pipe including transportation upto 500m all complete. Inner dia. 15mm, 20mm	rm	48.60			
1.117	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass union 80mm	nos	3.00			
1.118	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI End cap 80mm	nos	2.00			
1.119	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Elbow 80mm	nos	2.00			
1.120	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Nipple (6") 80mm	nos	2.00			
1.121	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI nipple (4") 65mm	nos	15.00			
1.122	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI elbow 65mm	nos	3.00			
1.123	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Socket 65mm	nos	193.66666			
1.124	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI gate valve 65mm	nos	5.00			

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1.125	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass union 65mm	nos	10.00			
1.126	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Tee 65mm	nos	3.00			
1.127	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI End cap 40mm	nos	1.00			
1.128	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Elbow 50mm	nos	3.00			
1.129	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Gate Valve 50mm	nos	1.00			
1.130	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Tee 50mm	nos	1.00			
1.131	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI nipple (4") 50mm	nos	5.00			
1.132	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Socket 50mm	nos	1.00			
1.133	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass Union 50mm	nos	1.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.134	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Nipple (4") 32mm	nos	6.00			
1.135	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Elbow 32mm	nos	2.00			
1.136	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Tee 32mm	nos	2.00			
1.137	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Gate Valve 32mm	nos	2.00			
1.138	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass Union 32mm	nos	4.00			
1.139	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI R-Tee 32mm	nos	2.00			
1.140	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Nipple (4") 20mm	nos	3.00			
1.141	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Elbow 20mm	nos	1.00			
1.142	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Tee 20mm	nos	1.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.143	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Gate Valve 20mm	nos	1.00			
1.144	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass Union 20mm	nos	1.00			
1.145	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Nipple (4") 15mm	nos	34.00			
1.146	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Elbow 15mm	nos	30.00			
1.147	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Tee 15mm	nos	1.00			
1.148	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Float Valve 32mm	nos	2.00			
1.149	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.HDP Saddle 40*20 mm	nos	4.00			
1.150	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Saddle 32*20 mm	nos	11.00			
1.151	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Saddle 25*20 mm	nos	13.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.152	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Gate Valve 15mm	nos	28.00			
1.153	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Water Meter Brass Body	nos	28.00			
1.154	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass Tap 400gm	nos	28.00			
1.155	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Socket 15mm	nos	56.00			
1.156	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Brass Union 15mm	nos	28.00			
1.157	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.Ferrule cock	nos	28.00			
1.158	Supply, delivery, installation, fitting and testing of fitting items in perfect line and level for entire water supply project work all complete as directed by engineer.GI Union	nos	28.00			

Total Item Price	
VAT (13.00%)	
Grand Total	