

**PADRA NAGARPALIKA PADRA**

**BID DOCUMENT FOR REPLACEMENT OF WATER SUPPLY LINES IN VARIOUS AREA AT PADRA NAGARPALIKA UNDER: 15 TH FINANCE SCHEME. (SECOND ATTEMPT) .**

**GENERAL SUMMARY**

Sr. No.	Description		Amount
1	REPLACEMENT OF WATER SUPPLY LINES AT MANUSMRUTI SOCIETY - 150MM DIA DIK-7 PIPE AT PADRA.AND DOMESTIC HOUSE CONNECTIONS. (60 Nos.)	Rs.	1327700.00
2	REPLACEMENT OF WATER SUPPLY LINES AT BAJRANG NAGAR 110MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (95 Nos.)	Rs.	857700.00
3	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT RAM NAGAR 110MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (60 Nos.)	Rs.	788700.00
4	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BACK SIDE OF MASJID (CHAKLAMA) - 100MM DIA DIK-7 PIPE AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (60 Nos.)	Rs.	471800.00
5	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BEHIND OLD POST OFFICE TULSI (CHORO) - 100MM DIA DIK-7 PIPE AT PADRA.AND DOMESTIC HOUSE CONNECTIONS. (65 Nos.)	Rs.	709700.00
6	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT TRIKAMJI TEMPLE NALA SIDE 110MM PVC AT PADRA.AND DOMESTIC HOUSE CONNECTIONS. (25 Nos.)	Rs.	300800.00
7	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTRAM NAGAR 110MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (35 Nos.)	Rs.	487600.00
8	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BOYAVAD , GITABHARTI POD , SANTOSPURI POD 110MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (80 Nos.)		676500.00
9	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT LAAL BAVA NO LIMDO - 150MM DIA DIK-7 PIPE AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (100 Nos.)		1355700.00
10	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT NANDERA SHERI - 100MM DIA DIK-7 PIPE AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (75 Nos.)		926700.00
11	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTARAM BHAGOL MALIWAS 110MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (35 Nos.)		313800.00
12	ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTARAM BHAGOL MALIWAS 90 MM PVC AT PADRA AND DOMESTIC HOUSE CONNECTIONS. (25 Nos.)		261700.00
	<b>Total, Rs.</b>		<b>8478400.00</b>

I / We am/are willing to carry out the work at \_\_\_\_\_ % above / below (percent should be written in figure and in words) of the estimated rates mentioned above. Amount of my/our tender works out as under.

( In words ) \_\_\_\_\_ percentage above / below the estimated rate.

Estimated Amount put to tender	Rs.	<b>8478400.00</b>
Deduct _____ % below Rs.	Rs.	
Net Amount	Rs.	

( In words ) \_\_\_\_\_

Estimated Amount put to tender	Rs.	<b>8478400.00</b>
Add _____ % above Rs.	Rs.	
Total Amount	Rs.	

( In words ) \_\_\_\_\_ **SECTION-7 BILL OF QUANTITIES-175**

*( Please strike out whichever is not applicable)	
Note :1	All work shall be carried out as per Public Works Department Hand Book and other specifications of Division or as directed.
Note :2	Rates quoted include clearance of site (prior commencement of work and its close) in all respects and hold good for work under.
Note : 3	I/ We have read the conditions mentioned in this tender and agree to abide by the same.
Note : 4	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

Signature of Contractor

President  
Padra Nagarpalika  
Padra

Chief Officer  
Padra Nagarpalika  
Padra

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT MANUSMRUTI SOCIETY - 150MM DIA DIK-7 PIPE AT PADRA.**

**SCHEDULE-B1**

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 150mm Dia Pipes.				
1.1	150 mm Dia di Pipe K-7	345.00	1425.00	Rmt.	4,91,625.00
2.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot Type. 80 To 300mm Dia.	250.00	148.00	No.	37,000.00
3.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	302.00	102.35	Cmt.	30,909.70
3.1	For CC 1:2:4 or Asphalt Road.	91.00	427.80	Cmt.	38,929.80
4.0	Lowering, Laying and Joining C. I. S & S Spun pipes suitable for tyton joints/ Mortalined D. I. Pipes of various classes with C.I./M.S. specials of following diameters in propoer position, grade and alignment as directed by engineer in charge including hydraulic testing etc. complete. Tyton joint. 150mm Dia.				
4.1	150 mm Dia di Pipe K-7	335.00	87.40	Rmt.	29,279.00

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PER	AMOUNT Rs.
5.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 20 mm Size.	2.00	4730.87	Cmt.	9,461.74
6.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	388.00	25.30	Cmt.	9,816.40
7.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	70.00	89.12	Kgs	6,238.40
8.0	Labour charges for Jointing in DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete. (including cost of jointing material but excluding cost of pipe). 'For 150mm Dia Pipe.	2.00	2870.40	Nos.	5,740.80
9.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	10.00	2103.35	No.	21,033.50
9.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
10.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	31.00	3080.90	Cmt.	95,507.90
11.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	46.00	4247.56	Cmt.	1,95,387.76
			Total		9,75,024.00
			Add 18% GST		175504.32
			Total Rs.		1150528.32
			Say, Rs.		1150600.00

PADRA MUNICIPALITY, PADRA					
DOMESTIC HOUSE CONNECTIONS. (60 Nos.)					
<u>SCHEDULE-B1.1</u>					
Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80.0	No.	80.00
				Total, Rs.	2500.04
				<b>Say, Rs.</b>	<b>2501.00</b>
				<b>For 60 Connections</b>	<b>150060.00</b>
				Add 18% GST	27010.80
				Total Rs.	177070.80
				<b>Say, Rs.</b>	<b>177100.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BAJRANG NAGAR 110MM PVC AT PADRA.**

**SCHEDULE-B2**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	275.00	439.00	Rmt.	1,20,725.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	6.00	857.00	No.	5,142.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	6.00	407.00	No.	2,442.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	3.00	901.00	No.	2,703.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	3.00	375.00	No.	1,125.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	5.00	235.00	No.	1,175.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	10.00	308.20	No.	3,082.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	239.00	102.35	Cmt.	24,461.65
4.1	For CC 1:2:4 or Asphalt Road.	72.00	427.80	Cmt.	30,801.60
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	110 mm Dia PVC Pipes	265.00	21.85	Rmt.	5,790.25
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	3.00	3873.83	Cmt.	11,621.49

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	309.00	25.30	Cmt.	7,817.70
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	105.00	89.12	Kgs	9,357.60
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	10.00	2103.35	No.	21,033.50
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	24.00	3080.90	Cmt.	73,941.60
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	36.00	4247.56	Cmt.	1,52,912.16
Total					4,89,191.55
Add 18% GST					88054.48
Total Rs.					577246.03
Say, Rs.					577300.00



**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (95 Nos.)**

**SCHEDULE-B2.1**

<b>Item No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Total Rate</b>	<b>Unit</b>	<b>Amount</b>
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- 7 Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00 80 No. 80.00

Total, Rs. 2500.04

**Say, Rs. 2501.00**

**For 95 Connections 237595.00**

Add 18% GST 42767.10

Total Rs. 280362.10

**Say, Rs. 280400.00**

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT RAM NAGAR 110MM PVC AT PADRA.**

**SCHEDULE-B3**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	285.00	439.00	Rmt.	1,25,115.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	8.00	857.00	No.	6,856.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	8.00	407.00	No.	3,256.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	5.00	901.00	No.	4,505.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	5.00	375.00	No.	1,875.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	6.00	235.00	No.	1,410.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	15.00	308.20	No.	4,623.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	248.00	102.35	Cmt.	25,382.80
4.1	For CC 1:2:4 or Asphalt Road.	75.00	427.80	Cmt.	32,085.00
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	110 mm Dia PVC Pipes	275.00	21.85	Rmt.	6,008.75
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	3.50	3873.83	Cmt.	13,558.41

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	321.00	25.30	Cmt.	8,121.30
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	122.50	89.12	Kgs	10,917.20
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	10.00	2103.35	No.	21,033.50
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	25.00	3080.90	Cmt.	77,022.50
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	38.00	4247.56	Cmt.	1,61,407.28
				Total	5,18,236.74
				Add 18% GST	93282.61
				Total Rs.	611519.35
				Say, Rs.	611600.00

**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (60 Nos.)**

**SCHEDULE-B3.1**

<b>Item No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Total Rate</b>	<b>Unit</b>	<b>Amount</b>
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- 7 Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00	80	No.	80.00
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Total, Rs.	2500.04
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<b>Say, Rs.</b>	<b>2501.00</b>
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<b>For 60 Connections</b>	<b>150060.00</b>
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Add 18% GST	27010.80
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Total Rs.	177070.80
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<b>Say, Rs.</b>	<b>177100.00</b>
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**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BACK SIDE OF MASJID (CHAKLAMA) -  
100MM DIA DIK-7 PIPE AT PADRA.**

**SCHEDULE-B4**

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>TOTAL RATE</b>	<b>PE R</b>	<b>AMOUNT Rs.</b>
1.0	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 100mm Dia Pipes.				
1.1	100 mm Dia di Pipe K-7	105.00	968.00	Rmt.	1,01,640.00
2.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot Type. 80 To 300mm Dia.	55.00	148.00	No.	8,140.00
3.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	90.00	102.35	Cmt.	9,211.50
3.1	For CC 1:2:4 or Asphalt Road.	27.00	427.80	Cmt.	11,550.60
4.0	Lowering, Laying and Joining C. I. S & S Spun pipes suitable for tyton joints/ Mortalined D. I. Pipes of various classes with C.I./M.S. specials of following diameters in propoer position, grade and alignment as directed by engineer in charge including hydraulic testing etc. complete. Tyton joint. 150mm Dia.				
4.1	100 mm Dia di Pipe K-7	100.00	63.25	Rmt.	6,325.00
5.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 20 mm Size.	0.50	4730.87	Cmt.	2,365.44

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PE R	AMOUNT Rs.
6.0	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	116.00	25.30	Cmt.	2,934.80
7.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	17.50	89.12	Kgs	1,559.60
8.0	Labour charges for Jointing in DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete. (including cost of jointing material but excluding cost of pipe). 'For 100mm Dia Pipe.	2.00	2068.85	Nos.	4,137.70
9.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
9.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
10.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	9.00	3080.90	Cmt.	27,728.10
11.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	14.00	4247.56	Cmt.	59,465.84
			Total		2,49,669.33
			Add 18% GST		44940.48
			Total Rs.		294609.81
			Say, Rs.		294700.00



PADRA MUNICIPALITY, PADRA					
DOMESTIC HOUSE CONNECTIONS. (60 Nos.)					
SCHEDULE-B4.1					
Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80.0	No.	80.00
			Total, Rs.		2500.04
			<b>Say, Rs.</b>		<b>2501.00</b>
			<b>For 60 Connections</b>		<b>150060.00</b>
			Add 18% GST		27010.80
			Total Rs.		177070.80
			<b>Say, Rs.</b>		<b>177100.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BEHIND OLD POST OFFICE TULSI (CHORO) - 100MM DIA DIK-7 PIPE AT PADRA.**

**SCHEDULE-B5**

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PE R	AMOUNT Rs.
1.0	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 100mm Dia Pipes.				
1.1	100 mm Dia di Pipe K-7	190.00	968.00	Rmt.	1,83,920.00
2.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot Type. 80 To 300mm Dia.	95.00	148.00	No.	14,060.00
3.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	167.00	102.35	Cmt.	17,092.45
3.1	For CC 1:2:4 or Asphalt Road.	50.00	427.80	Cmt.	21,390.00
4.0	Lowering, Laying and Joining C. I. S & S Spun pipes suitable for tyton joints/ Mortalined D. I. Pipes of various classes with C.I./M.S. specials of following diameters in propoer position, grade and alignment as directed by engineer in charge including hydraulic testing etc. complete. Tyton joint. 150mm Dia.				
4.1	100 mm Dia di Pipe K-7	185.00	63.25	Rmt.	11,701.25
5.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 20 mm Size.	1.00	4730.87	Cmt.	4,730.87

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PE R	AMOUNT Rs.
6.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	214.00	25.30	Cmt.	5,414.20
7.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	35.00	89.12	Kgs	3,119.20
8.0	Labour charges for Jointing in DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete. (including cost of jointing material but excluding cost of pipe). 'For 100mm Dia Pipe.	2.00	2068.85	Nos.	4,137.70
9.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
9.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
10.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	17.00	3080.90	Cmt.	52,375.30
11.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	25.00	4247.56	Cmt.	1,06,189.00
			Total		4,38,740.72
			Add 18% GST		78973.33
			Total Rs.		517714.05
			Say, Rs.		517800.00

PADRA MUNICIPALITY, PADRA					
DOMESTIC HOUSE CONNECTIONS. (65 Nos.)					
SCHEDULE-B5.1					
Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80.0	No.	80.00
				Total, Rs.	2500.04
				<b>Say, Rs.</b>	<b>2501.00</b>
				<b>For 65 Connections</b>	<b>162565.00</b>
				Add 18% GST	29261.70
				Total Rs.	191826.70
				<b>Say, Rs.</b>	<b>191900.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT TRIKAMJI TEMPLE NALA SIDE 110MM PVC AT PADRA.**

**SCHEDULE-B6**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	90.00	439.00	Rmt.	39,510.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	8.00	857.00	No.	6,856.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	8.00	407.00	No.	3,256.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	5.00	901.00	No.	4,505.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	5.00	375.00	No.	1,875.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	6.00	235.00	No.	1,410.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	15.00	308.20	No.	4,623.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	77.00	102.35	Cmt.	7,880.95
4.1	For CC 1:2:4 or Asphalt Road.	23.00	427.80	Cmt.	9,839.40
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.				
5.1	110 mm Dia PVC Pipes	85.00	21.85	Rmt.	1,857.25
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	1.00	3873.83	Cmt.	3,873.83
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	100.00	25.30	Cmt.	2,530.00

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	35.00	89.12	Kgs	3,119.20
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	8.00	3080.90	Cmt.	24,647.20
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	12.00	4247.56	Cmt.	50,970.72
				Total	1,92,330.30
				Add 18% GST	34619.45
				Total Rs.	226949.75
				<b>Say, Rs.</b>	<b>227000.00</b>



**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (25 Nos.)**

**SCHEDULE-B6.1**

Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and strutting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- 7 Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00	80	No.	80.00
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Total, Rs.	2500.04
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<b>Say, Rs.</b>	<b>2501.00</b>
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<b>For 25 Connections</b>	<b>62525.00</b>
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Add 18% GST	11254.50
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Total Rs.	73779.50
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<b>Say, Rs.</b>	<b>73800.00</b>
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**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTRAM NAGAR 110MM PVC AT PADRA.**

**SCHEDULE-B7**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	175.00	439.00	Rmt.	76,825.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	7.00	857.00	No.	5,999.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	7.00	407.00	No.	2,849.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	4.00	901.00	No.	3,604.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	4.00	375.00	No.	1,500.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	5.00	235.00	No.	1,175.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	10.00	308.20	No.	3,082.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	153.00	102.35	Cmt.	15,659.55
4.1	For CC 1:2:4 or Asphalt Road.	46.00	427.80	Cmt.	19,678.80
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	110 mm Dia PVC Pipes	170.00	21.85	Rmt.	3,714.50
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	2.00	3873.83	Cmt.	7,747.66

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>TOTAL RATE</b>	<b>PER</b>	<b>AMOUNT Rs.</b>
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	198.00	25.30	Cmt.	5,009.40
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	70.00	89.12	Kgs	6,238.40
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- Crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	16.00	3080.90	Cmt.	49,294.40
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	23.00	4247.56	Cmt.	97,693.88
			Total		3,25,647.34
			Add 18% GST		58616.52
			Total Rs.		384263.86
			Say, Rs.		384300.00

**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (35 Nos.)**

**SCHEDULE-B7.1**

Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and strutting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- 7 Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00 80 No. 80.00

Total, Rs. 2500.04

**Say, Rs. 2501.00**

**For 35 Connections 87535.00**

Add 18% GST 15756.30

Total Rs. 103291.30

**Say, Rs. 103300.00**

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT BOYAVAD , GITABHARTI POD , SANTOSPURI  
POD 110MM PVC AT PADRA.**

**SCHEDULE-B8**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	205.00	439.00	Rmt.	89,995.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	7.00	857.00	No.	5,999.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	7.00	407.00	No.	2,849.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	4.00	901.00	No.	3,604.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	4.00	375.00	No.	1,500.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	5.00	235.00	No.	1,175.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	10.00	308.20	No.	3,082.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	180.00	102.35	Cmt.	18,423.00
4.1	For CC 1:2:4 or Asphalt Road.	54.00	427.80	Cmt.	23,101.20
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	110 mm Dia PVC Pipes	200.00	21.85	Rmt.	4,370.00
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	2.50	3873.83	Cmt.	9,684.58

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	233.00	25.30	Cmt.	5,894.90
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	87.50	89.12	Kgs	7,798.00
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	18.00	3080.90	Cmt.	55,456.20
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	27.00	4247.56	Cmt.	1,14,684.12
				Total	3,73,192.75
				Add 18% GST	67174.70
				Total Rs.	440367.45
				Say, Rs.	440400.00



**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (80 Nos.)**

**SCHEDULE-B8.1**

<b>Item No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Total Rate</b>	<b>Unit</b>	<b>Amount</b>
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80	No.	80.00
				Total, Rs.	2500.04
				<b>Say, Rs.</b>	<b>2501.00</b>
				<b>For 80 Connections</b>	<b>200080.00</b>
				Add 18% GST	36014.40
				Total Rs.	236094.40
				<b>Say, Rs.</b>	<b>236100.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT LAAL BAVA NO LIMDO - 150MM DIA DIK-7  
PIPE AT PADRA.**

**SCHEDULE-B9**

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 150mm Dia Pipes.				
1.1	150 mm Dia di Pipe K-7	320.00	1425.00	Rmt.	4,56,000.00
2.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot Type. 80 To 300mm Dia.	235.00	148.00	No.	34,780.00
3.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	279.00	102.35	Cmt.	28,555.65
3.1	For CC 1:2:4 or Asphalt Road.	84.00	427.80	Cmt.	35,935.20
4.0	Lowering, Laying and Joining C. I. S & S Spun pipes suitable for tyton joints/ Mortalined D. I. Pipes of various classes with C.I./M.S. specials of following diameters in propoer position, grade and alignment as directed by engineer in charge including hydraulic testing etc. complete. Tyton joint. 150mm Dia.				
4.1	150 mm Dia di Pipe K-7	310.00	87.40	Rmt.	27,094.00
5.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 20 mm Size.	1.50	4730.87	Cmt.	7,096.31
6.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	358.00	25.30	Cmt.	9,057.40

SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PER	AMOUNT Rs.
7.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	52.50	89.12	Kgs	4,678.80
8.0	Labour charges for Jointing in DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete. (including cost of jointing material but excluding cost of pipe). 'For 150mm Dia Pipe.	2.00	2870.40	Nos.	5,740.80



PADRA MUNICIPALITY, PADRA					
DOMESTIC HOUSE CONNECTIONS. (100 Nos.)					
<u>SCHEDULE-B9.1</u>					
Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80.0	No.	80.00
				Total, Rs.	2500.04
				<b>Say, Rs.</b>	<b>2501.00</b>
				<b>For 100 Connections</b>	<b>250100.00</b>
				Add 18% GST	45018.00
				Total Rs.	295118.00
				<b>Say, Rs.</b>	<b>295200.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT NANDERA SHERI - 100MM DIA DIK-7  
PIPE AT PADRA.**

**SCHEDULE-B10**

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>TOTAL RATE</b>	<b>PE R</b>	<b>AMOUNT Rs.</b>
1.0	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 100mm Dia Pipes.				
1.1	100 mm Dia di Pipe K-7	255.00	968.00	Rmt.	2,46,840.00
2.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot Type. 80 To 300mm Dia.	130.00	148.00	No.	19,240.00
3.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	225.00	102.35	Cmt.	23,028.75
3.1	For CC 1:2:4 or Asphalt Road.	68.00	427.80	Cmt.	29,090.40
4.0	Lowering, Laying and Joining C. I. S & S Spun pipes suitable for tyton joints/ Mortalined D. I. Pipes of various classes with C.I./M.S. specials of following diameters in propoer position, grade and alignment as directed by engineer in charge including hydraulic testing etc. complete. Tyton joint. 150mm Dia.				
4.1	100 mm Dia di Pipe K-7	250.00	63.25	Rmt.	15,812.50
5.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 20 mm Size.	1.50	4730.87	Cmt.	7,096.31



SR. NO.	DESCRIPTION	QTY	TOTAL RATE	PE R	AMOUNT Rs.
6.0	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	289.00	25.30	Cmt.	7,311.70
7.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	52.50	89.12	Kgs	4,678.80
8.0	Labour charges for Jointing in DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/Crane, dewatering machine, fuel, operator etc complete. (including cost of jointing material but excluding cost of pipe). 'For 100mm Dia Pipe.	2.00	2068.85	Nos.	4,137.70
9.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	10.00	2103.35	No.	21,033.50
9.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
10.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3-coarse sand : 6- Crushed stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	23.00	3080.90	Cmt.	70,860.70
11.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	34.00	4247.56	Cmt.	1,44,417.04
			Total		5,97,641.40
			Add 18% GST		107575.45
			Total Rs.		705216.85
			Say, Rs.		705300.00

PADRA MUNICIPALITY, PADRA					
DOMESTIC HOUSE CONNECTIONS. (75 Nos.)					
SCHEDULE-B10.1					
Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

7	Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.	1.00	80.0	No.	80.00
				Total, Rs.	2500.04
				<b>Say, Rs.</b>	<b>2501.00</b>
				<b>For 75 Connections</b>	<b>187575.00</b>
				Add 18% GST	33763.50
				Total Rs.	221338.50
				<b>Say, Rs.</b>	<b>221400.00</b>

**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTARAM BHAGOL MALIWAS 110MM PVC AT PADRA.**

**SCHEDULE-B11**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	110 mm Dia PVC Pipes	80.00	439.00	Rmt.	35,120.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 110 mm	8.00	857.00	No.	6,856.00
2.2	P. V. C. Tee (Moulded) - 110 x 110 mm	8.00	407.00	No.	3,256.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	5.00	901.00	No.	4,505.00
2.4	P. V. C. Reducer (Moulded) - 160 x 110 mm	5.00	375.00	No.	1,875.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 110mm	6.00	235.00	No.	1,410.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	15.00	308.20	No.	4,623.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	68.00	102.35	Cmt.	6,959.80
4.1	For CC 1:2:4 or Asphalt Road.	21.00	427.80	Cmt.	8,983.80
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	110 mm Dia PVC Pipes	75.00	21.85	Rmt.	1,638.75
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	1.00	3873.83	Cmt.	3,873.83
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	89.00	25.30	Cmt.	2,251.70

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	35.00	89.12	Kgs	3,119.20
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	7.00	3080.90	Cmt.	21,566.30
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.etc as directed.	11.00	4247.56	Cmt.	46,723.16
				Total	1,78,338.29
				Add 18% GST	32100.89
				Total Rs.	210439.18
				Say, Rs.	210500.00

**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (35 Nos.)**

**SCHEDULE-B11.1**

Item No.	Description	Qty.	Total Rate	Unit	Amount
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- 7 Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00	80	No.	80.00
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Total, Rs.	2500.04
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<b>Say, Rs.</b>	<b>2501.00</b>
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<b>For 35 Connections</b>	<b>87535.00</b>
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Add 18% GST	15756.30
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Total Rs.	103291.30
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<b>Say, Rs.</b>	<b>103300.00</b>
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**PADRA MUNICIPALITY, PADRA**

**ESTIMATE FOR REPLACEMENT OF WATER SUPPLY LINES AT SANTARAM BHAGOL MALIWAS 90 MM PVC AT PADRA.**

**SCHEDULE-B12**

SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
1.0	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/ 1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. Note :- One coupler / ring shall be provided with each full length pipe cost of which is included in rates below. a) Test Pressure 10.0 Kg/cm <sup>2</sup> .				
1.1	90 mm Dia PVC Pipes	75.00	292.00	Rmt.	21,900.00
2.0	Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete. P. V. C. Tee (Moulded) - 160 x 160 mm.	0.00	952.00	No.	-
2.1	P. V. C. Tee (Moulded) - 160 x 90 mm	8.00	857.00	No.	6,856.00
2.2	P. V. C. Tee (Moulded) - 110 x 90 mm	8.00	407.00	No.	3,256.00
2.3	P. V. C. Reducer (Moulded) - 200 x 160 mm	5.00	901.00	No.	4,505.00
2.4	P. V. C. Reducer (Moulded) - 160 x 90 mm	5.00	375.00	No.	1,875.00
2.5	P. V. C. Couplers 10 Kg/cm <sup>2</sup> (Moulded) - 90mm	6.00	235.00	No.	1,410.00
3.0	Supplying following materials including all taxes and carting. PVC Solvent Cement/Solution.	15.00	308.20	No.	4,623.00
4.0	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth.	63.00	102.35	Cmt.	6,448.05
4.1	For CC 1:2:4 or Asphalt Road.	19.00	427.80	Cmt.	8,128.20
5.0	Lowering, laying and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works at all level including cost of labour, material, giving satisfactory hydraulic testing as per ISI Code etc. comp.	0.00	32.20	Rmt.	-
5.1	90 mm Dia PVC Pipes	70.00	21.85	Rmt.	1,529.50
6.0	Providing C.C. M - 100 for encasing of pipe using trap metal size 40 mm to 50 mm including from work curing consolidation etc. complete. Using Trap Metal 40 mm Size.	1.00	3873.83	Cmt.	3,873.83
7.0	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	82.00	25.30	Cmt.	2,074.60



SR. NO.	DESCRIPTION	QUANTITY	TOTAL RATE	PER	AMOUNT Rs.
8.0	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-Thermo mechanically Treated (TMT) bars Fe-500 grade for all diameters.	35.00	89.12	Kgs	3,119.20
9.0	Labour charges for Jointing on Existing Pipe/Repairing leakage in CI/DI/PVC/HDPE pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc complete (including cost of jointing material but excluding cost of pipe). From 200mm Dia Ex. Pipe.	2.00	3933.00	Nos.	7,866.00
10.0	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Flanged ended. 80 to 300mm dia.	20.00	155.00	Kg.	3,100.00
11.0	Restoration of infrastructures like Kharkuwa, Electrical Line, Telephone cables all types, water lines, gas line, septic tanks, etc.	5.00	2103.35	No.	10,516.75
11.1	Electric/Telephone Cable	5.00	818.80	No.	4,094.00
12.0	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- Crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	7.00	3080.90	Cmt.	21,566.30
13.0	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	10.00	4247.56	Cmt.	42,475.60
				Total	1,59,217.03
				Add 18% GST	28659.07
				Total Rs.	187876.10
				Say, Rs.	187900.00

**PADRA MUNICIPALITY, PADRA**

**DOMESTIC HOUSE CONNECTIONS. (25 Nos.)**

**SCHEDULE-B12.1**

<b>Item No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Total Rate</b>	<b>Unit</b>	<b>Amount</b>
1	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	5.00	72.64	Rmt	363.20
2	Excavation for pipeline trenches for Water supply, Sewerage line, Manhole etc. All with soring and struting if required gradient and line including safety provisions using site rails and stacking excavated struff including upto all required lead cleaning the site etc. Complete for all lift sand strata as specified (A) Total Excavation upto 1.50 mt Depth In all softs and soil and soft murrum	1.01	102.35	Cum	103.37
3	In Hard murrum, boulders including Macadam road	0.79	112.7	Cum	89.03
4	Refilling the Pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. Refilling as directed	1.80	25.3	Cum	45.54
5	Cutting of Road : In Hard Rock and/or in C.C 1:2:4 or R.C.C with Blasting, breaking, Chiseling or By Chiseling Breaking only. Indian Patent stone Cutting	0.56	375.72	Cum	210.40
6	Providing C.C.M.:100 for encasing pipes using trap metal size 12 mm to 50 mm incl. form work curing consolidation etc. complete for various location on pipe line. using trap metal 20 mm nominal size.	0.34	4730.87	Cum	1608.50

- Making hole for Fitting saddle into Existing pipe (110/90/63/50 mm) or New laying pipe, Lowering, Laying and Jointing 110/90/63/50 mm X 15 mmDia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, material, with cement solvent, giving satisfactory hydraulic testing as per ISI code.

1.00      80      No.      80.00

Total, Rs.      2500.04

**Say, Rs.      2501.00**

**For 25 Connections      62525.00**

Add 18% GST      11254.50

Total Rs.      73779.50

**Say, Rs.      73800.00**