

Rajasthan Urban Sector Development Investment Program  
Price Bid Evaluation

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
1	2	3	4	5	6 = 4 x 5							
<b>Section-A</b>												
1	Earth work in excavation in foundation, trenches manholes, road side chambers etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated material at a lead upto 50m suitable site as per direction of Engineer for following depths, below natural ground / Road top level.In all types soils such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.Depth upto 1.5 m	Cum	46966	69.00	3,240,654.00	3.08	64.00	3,005,824.00	64.00	3,005,824.00	2.10	-7.25
	Ordinary rock Depth o.o to 1.5 Mtr	Cum	30192	299.00	9,027,408.00	8.58	320.00	9,661,440.00	320.00	9,661,440.00	6.75	7.02
<b>Pipes &amp; Pipe Fittings</b>												
2	Providing, lowering, laying in trenches, aligning, fixing in position and jointing socketed rubber gasket type ISI marked uPVC pipes of Class III (6 Kg/sqcm) suitable for potable water with rubber ring joints (as per IS 4985-2000) of following outer dia with all accessories (excluding specials) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer.											
a	90 mm dia uPVC pipe	RM	30913	163.00	5,038,819.00	4.79	174.40	5,391,227.20	163.00	5,038,819.00	3.52	
b	110mm dia uPVC pipe	RM	3929	222.00	872,238.00	0.83	248.00	974,392.00	232.00	911,528.00	0.64	4.50
c	125 mm dia uPVC pipe	RM	3598	306.00	1,100,988.00	1.05	328.00	1,180,144.00	307.00	1,104,586.00	0.77	0.33
d	140 mm dia uPVC pipe	RM	3311	358.00	1,185,338.00	1.13	408.00	1,350,888.00	382.00	1,264,802.00	0.88	6.70
e	160 mm dia uPVC pipe	RM	3548	446.00	1,582,408.00	1.50	524.80	1,861,990.40	493.00	1,749,164.00	1.22	10.54
f	180 mm dia uPVC pipe	RM	3391	559.00	1,895,569.00	1.80	670.40	2,273,326.40	629.00	2,132,939.00	1.49	12.52
g	200 mm dia uPVC pipe	RM	2693	686.00	1,847,398.00	1.76	830.40	2,236,267.20	779.00	2,097,847.00	1.47	13.56
h	225 mm dia uPVC pipe	RM	3403	890.00	3,028,670.00	2.88	1,043.20	3,550,009.60	978.00	3,328,134.00	2.33	9.89
i	250 mm dia uPVC pipe	RM	2116	1065.00	2,253,540.00	2.14	1,292.80	2,735,564.80	1,211.00	2,562,476.00	1.79	13.71
j	280 mm dia uPVC pipe	RM	1509	1398.00	2,109,582.00	2.01	1,620.80	2,445,787.20	1,520.00	2,293,680.00	1.60	8.73
k	315 mm dia uPVC pipe	RM	3876	1719.00	6,662,844.00	6.34	2,056.00	7,969,056.00	1,928.00	7,472,928.00	5.22	12.16
3	Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-7 grade S&S pipes as per IS:8329-2000 (amended upto date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer.											
a	200mm dia	RM	390	1712.00	667,680.00	0.63	2,875.00	1,121,250.00	2,841.00	1,107,990.00	0.77	65.95
b	250mm dia	RM	1341	2018.00	2,706,138.00	2.57	3,744.00	5,020,704.00	3,702.00	4,964,382.00	3.47	83.45
c	300mm dia.	RM	2400	2482.00	5,956,800.00	5.66	4,747.00	11,392,800.00	4,693.00	11,263,200.00	7.87	89.08
d	350mm dia.	RM	3450	3087.00	10,650,150.00	10.13	5,966.00	20,582,700.00	5,901.00	20,358,450.00	14.23	91.16
4	Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths S&S standard specials of DI-K-9 with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 such as tees, bends, tapers, caps etc. within trenches in DI pipe line complete including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer.											
	Upto 300mm dia	KG	3098	110.00	340,780.00	0.32	160.00	495,680.00	160.00	495,680.00	0.35	45.45
	Above 300mm dia	KG	2588	165.00	427,020.00	0.41	184.00	476,192.00	184.00	476,192.00	0.33	11.52

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1	2	3	4	5	6 = 4 x 5							
5	Providing, lowering, laying in trenches, aligning, fixing in position and jointing ISI marked uPVC pipe fittings/ accessories of class IV (10 Kg/sqcm) suitable for potable water with rubber rings joints in uPVC pipe pipe line at all levels/ depth including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer.											
i	<b>uPVC Equal Tee</b>											
a	90mm	No	124	92.00	11,408.00	0.01	1,250.00	155,000.00	1,048.00	129,952.00	0.09	1,039.13
b	110mm	No	16	154.00	2,464.00	0.00	1,600.00	25,600.00	1,343.00	21,488.00	0.02	772.08
c	125mm	No	14	321.00	4,494.00	0.00	2,437.00	34,118.00	2,045.00	28,630.00	0.02	537.07
d	140mm	No	13	340.00	4,420.00	0.00	3,000.00	39,000.00	2,517.00	32,721.00	0.02	640.29
e	160mm	No	14	384.00	5,376.00	0.01	3,906.00	54,684.00	3,278.00	45,892.00	0.03	753.65
f	180mm	No	14	534.00	7,476.00	0.01	4,877.00	68,278.00	4,092.00	57,288.00	0.04	666.29
g	200mm	No	11	631.00	6,941.00	0.01	6,250.00	68,750.00	5,245.00	57,695.00	0.04	731.22
h	225mm	No	14	979.00	13,706.00	0.01	8,000.00	112,000.00	6,714.00	93,996.00	0.07	585.80
i	250mm	No	8	1365.00	10,920.00	0.01	9,600.00	76,800.00	8,056.00	64,448.00	0.05	490.18
j	280mm	No	6	1713.00	10,278.00	0.01	12,000.00	72,000.00	10,070.00	60,420.00	0.04	487.86
k	315mm	No	10	2349.00	23,490.00	0.02	15,000.00	150,000.00	12,587.00	125,870.00	0.09	435.85
ii	<b>uPVC Double socketed 90 degree bend</b>											
a	90mm	No	155	72.00	11,160.00	0.01	701.00	108,655.00	587.00	90,985.00	0.06	715.28
b	110mm	No	20	119.00	2,380.00	0.00	1,000.00	20,000.00	840.00	16,800.00	0.01	605.88
c	125mm	No	18	133.00	2,394.00	0.00	1,301.00	23,418.00	1,090.00	19,620.00	0.01	719.55
d	140mm	No	17	158.00	2,686.00	0.00	1,701.00	28,917.00	1,427.00	24,259.00	0.02	803.16
e	160mm	No	18	194.00	3,492.00	0.00	2,070.00	37,260.00	1,737.00	31,266.00	0.02	795.36
f	180mm	No	17	405.00	6,885.00	0.01	2,600.00	44,200.00	2,182.00	37,094.00	0.03	438.77
g	200mm	No	13	1301.00	16,913.00	0.02	3,400.00	44,200.00	2,854.00	37,102.00	0.03	119.37
h	225mm	No	17	1950.00	33,150.00	0.03	4,030.00	68,510.00	3,381.00	57,477.00	0.04	73.38
i	250mm	No	11	2614.00	28,754.00	0.03	5,200.00	57,200.00	4,365.00	48,015.00	0.03	66.99
j	280mm	No	8	3672.00	29,376.00	0.03	6,600.00	52,800.00	5,539.00	44,312.00	0.03	50.84
k	315mm	No	10	5559.00	55,590.00	0.05	8,000.00	80,000.00	6,714.00	67,140.00	0.05	20.78
iii	<b>Double socketed 45/22.5/11.25 degree bend</b>											
a	90mm	No	371	113.00	41,923.00	0.04	701.00	260,071.00	587.00	217,777.00	0.15	419.47
b	110mm	Nos.	47	198.00	9,306.00	0.01	1,000.00	47,000.00	840.00	39,480.00	0.03	324.24
c	125mm	Nos.	43	387.00	16,641.00	0.02	1,301.00	55,943.00	1,090.00	46,870.00	0.03	181.65
d	140mm	Nos.	40	462.00	18,480.00	0.02	1,701.00	68,040.00	1,427.00	57,080.00	0.04	208.87
e	160mm	Nos.	43	701.00	30,143.00	0.03	2,070.00	89,010.00	1,737.00	74,691.00	0.05	147.79
f	180mm	Nos.	41	990.00	40,590.00	0.04	2,600.00	106,600.00	2,182.00	89,462.00	0.06	120.40
g	200mm	Nos.	32	1301.00	41,632.00	0.04	3,400.00	108,800.00	2,854.00	91,328.00	0.06	119.37
h	225mm	Nos.	41	1950.00	79,950.00	0.08	4,030.00	165,230.00	3,381.00	138,621.00	0.10	73.38
i	250mm	Nos.	25	2614.00	65,350.00	0.06	5,200.00	130,000.00	4,365.00	109,125.00	0.08	66.99
j	280mm	Nos.	18	3672.00	66,096.00	0.06	6,600.00	118,800.00	5,539.00	99,702.00	0.07	50.84
k	315mm	Nos.	23	5555.00	127,765.00	0.12	8,000.00	184,000.00	6,714.00	154,422.00	0.11	20.86
iv	<b>uPVC short pipe double socket as per drawing and specifications</b>											
a	90mm	Nos.	155	412.00	63,860.00	0.06	416.00	64,480.00	349.00	54,095.00	0.04	-15.29
b	110mm	Nos.	20	605.00	12,100.00	0.01	533.00	10,660.00	448.00	8,960.00	0.01	-25.95
c	125mm	Nos.	18	794.00	14,292.00	0.01	813.00	14,634.00	682.00	12,276.00	0.01	-14.11
d	140mm	Nos.	17	913.00	15,521.00	0.01	1,000.00	17,000.00	840.00	14,280.00	0.01	-8.00
e	160mm	Nos.	18	1259.00	22,662.00	0.02	1,302.00	23,436.00	1,093.00	19,674.00	0.01	-13.19
f	180mm	Nos.	17	1602.00	27,234.00	0.03	1,626.00	27,642.00	1,364.00	23,188.00	0.02	-14.86
g	200mm	Nos.	13	1984.00	25,792.00	0.02	2,083.00	27,079.00	1,749.00	22,737.00	0.02	-11.84
h	225mm	Nos.	17	2507.00	42,619.00	0.04	2,667.00	45,339.00	2,237.00	38,029.00	0.03	-10.77
i	250mm	Nos.	11	3231.00	35,541.00	0.03	3,200.00	35,200.00	2,685.00	29,535.00	0.02	-16.90
j	280mm	Nos.	8	4214.00	33,712.00	0.03	4,000.00	32,000.00	3,357.00	26,856.00	0.02	-20.34
k	315mm	Nos.	10	5352.00	53,520.00	0.05	5,000.00	50,000.00	4,196.00	41,960.00	0.03	-21.60

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				5	6 = 4 x 5							
1	2	3	4	5	6 = 4 x 5							
v	<b>uPVC End Plug</b>											
a	90mm	Nos.	31	33.00	1,023.00	0.00	234.00	7,254.00	196.00	6,076.00	0.00	493.94
b	110mm	Nos.	4	49.00	196.00	0.00	333.00	1,332.00	280.00	1,120.00	0.00	471.43
c	125mm	Nos.	4	87.00	348.00	0.00	434.00	1,736.00	364.00	1,456.00	0.00	318.39
d	140mm	Nos.	3	102.00	306.00	0.00	566.00	1,698.00	476.00	1,428.00	0.00	366.67
e	160mm	Nos.	4	150.00	600.00	0.00	690.00	2,760.00	579.00	2,316.00	0.00	286.00
f	180mm	Nos.	3	210.00	630.00	0.00	867.00	2,601.00	728.00	2,184.00	0.00	246.67
g	200mm	Nos.	3	273.00	819.00	0.00	1,133.00	3,399.00	951.00	2,853.00	0.00	248.35
h	225mm	Nos.	3	355.00	1,065.00	0.00	1,344.00	4,032.00	1,127.00	3,381.00	0.00	217.46
I	250mm	Nos.	2	473.00	946.00	0.00	1,733.00	3,466.00	1,454.00	2,908.00	0.00	207.40
j	280mm	Nos.	2	620.00	1,240.00	0.00	2,200.00	4,400.00	1,846.00	3,692.00	0.00	197.74
k	315mm	Nos.	4	838.00	3,352.00	0.00	2,667.00	10,668.00	2,237.00	8,948.00	0.01	166.95
6	Providing and Fixing the CID joints for AC pipes of Class - 15 of following sizes for potable water supply with all jointing material as per Specifications including cost of rubber rings and other jointing materials etc., including all local and central taxes, transportation, freight charges, transit insurance, inspection charges, loading and unloading, conveyance to site and stacking the same, cost of all labour, material, giving satisfactory hydraulic field testing as per Technical Specification etc., complete.	Nos.										
a	80 mm dia AC	Nos.	174	551.00	95,874.00	0.09	314.00	54,636.00	251.00	43,674.00	0.03	-54.45
b	100 mm diaAC	Nos.	150	633.00	94,950.00	0.09	394.00	59,100.00	315.00	47,250.00	0.03	-50.24
c	125 mm dia AC	Nos.	110	780.00	85,800.00	0.08	533.00	58,630.00	425.00	46,750.00	0.03	-45.51
d	150 mm diaAC	Nos.	90	854.00	76,860.00	0.07	621.00	55,890.00	494.00	44,460.00	0.03	-42.15
e	200 mm diaAC	Nos.	60	1360.00	81,600.00	0.08	864.00	51,840.00	689.00	41,340.00	0.03	-49.34
f	250 mm diaAC	Nos.	45	1479.00	66,555.00	0.06	1,182.00	53,190.00	943.00	42,435.00	0.03	-36.24
g	300 mm diaAC	Nos.	23	1835.00	42,205.00	0.04	1,472.00	33,856.00	1,175.00	27,025.00	0.02	-35.97
h	350 mm diaAC	Nos.	18	2775.00	49,950.00	0.05	2,541.00	45,738.00	2,026.00	36,468.00	0.03	-26.99
i	400 mm diaAC	Nos.	12	3161.00	37,932.00	0.04	3,024.00	36,288.00	2,411.00	28,932.00	0.02	-23.73
j	450 mm diaAC	Nos.	12	4286.00	51,432.00	0.05	3,701.00	44,412.00	2,951.00	35,412.00	0.02	-31.15
k	500 mm diaAC	Nos.	12	5964.00	71,568.00	0.07	5,450.00	65,400.00	4,347.00	52,164.00	0.04	-27.11
7	Labour charges for making connection with proposed pipe to existing pipe line including dewatering & excavation etc. complete as directed by site engineer following diameter											
a	80 mm dia AC	Nos.	75	300.00	22,500.00	0.02	235.00	17,625.00	189.00	14,175.00	0.01	-37.00
b	100 mm diaAC	Nos.	60	350.00	21,000.00	0.02	296.00	17,760.00	236.00	14,160.00	0.01	-32.57
c	125 mm dia AC	Nos.	40	400.00	16,000.00	0.02	400.00	16,000.00	319.00	12,760.00	0.01	-20.25
d	150 mm diaAC	Nos.	30	500.00	15,000.00	0.01	466.00	13,980.00	371.00	11,130.00	0.01	-25.80
e	200 mm diaAC	Nos.	20	600.00	12,000.00	0.01	648.00	12,960.00	516.00	10,320.00	0.01	-14.00
f	250 mm diaAC	Nos.	20	650.00	13,000.00	0.01	886.00	17,720.00	708.00	14,160.00	0.01	8.92
g	300 mm diaAC	Nos.	22	800.00	17,600.00	0.02	1,104.00	24,288.00	882.00	19,404.00	0.01	10.25
h	350 mm diaAC	Nos.	23	850.00	19,550.00	0.02	1,906.00	43,838.00	1,520.00	34,960.00	0.02	78.82
i	400 mm diaAC	Nos.	15	1000.00	15,000.00	0.01	2,269.00	34,035.00	1,808.00	27,120.00	0.02	80.80
j	450 mm diaAC	Nos.	15	1250.00	18,750.00	0.02	2,776.00	41,640.00	2,213.00	33,195.00	0.02	77.04
k	500 mm diaAC	Nos.	12	1380.00	16,560.00	0.02	4,088.00	49,056.00	3,261.00	39,132.00	0.03	136.30
8	Providing, lowering, laying, aligning, fixing in position in pipe line, manually operated CI D/F Sluice valves of approved make (IS: 14846 amended upto date) PN 1.0 class of following dia complete (excluding jointing and jointing material) including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer.											
	<b>PN-1.0(category-B)</b>											
a	80mm dia.	No.	15	2806.00	42,090.00	0.04	17,808.00	267,120.00	14,201.00	213,015.00	0.15	406.09
b	100mm dia.	No.	2	3702.00	7,404.00	0.01	23,309.00	46,618.00	18,588.00	37,176.00	0.03	402.11
c	125mm dia	No.	3	4609.00	13,827.00	0.01	30,746.00	92,238.00	24,520.00	73,560.00	0.05	432.00
d	150mm dia.	No.	2	5505.00	11,010.00	0.01	39,430.00	78,860.00	31,446.00	62,892.00	0.04	471.23
e	200mm dia.	No.	4	10399.00	41,596.00	0.04	61,408.00	245,632.00	48,972.00	195,888.00	0.14	370.93

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f	250mm dia.	No.	2	17054.00	34,108.00	0.03	85,584.00	171,168.00	68,253.00	136,506.00	0.10	300.22
g	300mm dia.	No.	2	21894.00	43,788.00	0.04	117,054.00	234,108.00	93,351.00	186,702.00	0.13	326.38
9	Providing, lowering, laying, aligning, fixing in position and jointing in pipe line, CI flanged Air valves class PN-1.0 single ball of approved make, including screw down isolation valve of following dia including cost of all labour, jointing material i.e. bolts, nuts, rubber insertions etc. complete including all material, labour, testing and commissioning as per Technical Specifications and as per direction of Engineer.											
	50mm dia	No.	3	6445.00	19,335.00	0.02	24,000.00	72,000.00	17,400.00	52,200.00	0.04	169.98
	<b>Valve Chambers</b>											
10	Construction of Valve chambers in all types of soil with stone masonry in CM (1:6) , PCC of M15 in foundation, 20mm thick inside and outside plastering with CM (1:4) and slab with M25 in pieces including earthwork,refilling,fixing ( with an insertion hole of 50mm) for class- AA loading etc., as per drawing and Specifications, complete.											
	<b>For Sluice Valves</b>											
a	80mm dia.	No.	15	15507.00	232,605.00	0.22	12,800.00	192,000.00	12,800.00	192,000.00	0.13	-17.46
b	100mm dia.	No.	2	15507.00	31,014.00	0.03	13,600.00	27,200.00	13,600.00	27,200.00	0.02	-12.30
c	125mm dia	No.	3	15507.00	46,521.00	0.04	14,400.00	43,200.00	14,400.00	43,200.00	0.03	-7.14
d	150mm dia.	No.	2	15507.00	31,014.00	0.03	15,200.00	30,400.00	15,200.00	30,400.00	0.02	-1.98
e	200mm dia.	No.	4	15507.00	62,028.00	0.06	16,000.00	64,000.00	16,000.00	64,000.00	0.04	3.18
f	250mm dia.	No.	2	15507.00	31,014.00	0.03	16,800.00	33,600.00	16,800.00	33,600.00	0.02	8.34
g	300mm dia.	No.	2	15507.00	31,014.00	0.03	17,600.00	35,200.00	17,600.00	35,200.00	0.02	13.50
11	Providing and laying cement concrete in RCC (M-15) for thrust blocks etc. including curing, compaction, finishing etc., Complete.	Cum.	53	2889.00	153,117.00	0.15	5,024.00	266,272.00	3,900.00	206,700.00	0.14	34.99
12	Demolishing Cement Concrete pavements of all grades including disposal of material upto a lead of 5 Km.	Cum	1283	250.00	320,750.00	0.31	640.00	821,120.00	450.00	577,350.00	0.40	80.00
13	Cutting of black top pavement upto depth of 0.5m including removal of excavated material and reusing the usable material to suitable destination, including reinstatement of black top andWBM to original condition as directed by Engineer.	Sqm	3777	220.00	830,940.00	0.79	320.00	1,208,640.00	300.00	1,133,100.00	0.79	36.36
14	Cutting of Water Bound Macadam road upto depth of 0.5m including removal of excavated material and reusing the usable material to suitable destination, including reinstatement of WBM to original condition as directed by Engineer.	Sqm	1007	220.00	221,540.00	0.21	200.00	201,400.00	200.00	201,400.00	0.14	-9.09
15	Restoration of concrete surfaces in PCC M-20 including curing, compaction, finishing etc., complete and/or as directed by engineer.	Cum	1283	2200.00	2,822,600.00	2.68	5,024.00	6,445,792.00	4,200.00	5,388,600.00	3.77	90.91
16	Providing, installation, testing and commissioning of Bulk Flow Meter (Woltman type) with removable mechanism class "B" conforming to IS: 4064/1 including all materials (excluding CI/DI fittings) and making connection with existing pipeline required for Bulk Flow Meter											
a	BFM 150 for DN 150 mm	Nos.	1	21507.00	21,507.00	0.02	48,000.00	48,000.00	37,500.00	37,500.00	0.03	74.36
b	BFM 200 for DN 200 mm & 250 mm	Nos.	3	27422.00	82,266.00	0.08	56,000.00	168,000.00	45,000.00	135,000.00	0.09	64.10
c	BFM 300 for DN 300 mm & 350 mm	Nos.	3	75405.00	226,215.00	0.22	64,000.00	192,000.00	64,000.00	192,000.00	0.13	-15.12
17	Providing and making house service connections from water supply distribution uPVC pipe line and upto water meter chamber inside the property using MDPE (Class-PE 80) composite pipes upto 2 metre length including supply and fixing of ferrules, clamps, rub											
	15 mm dia service pipe	Nos	500	282.00	141,000.00	0.13	1,200.00	600,000.00	750.00	375,000.00	0.26	

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
				5	6 = 4 x 5							
18	Providing, lowering, laying & jointing MDPE pipes (Class-PE 80) composite pipes for extra length for house service connections as per drawing and specifications complete including all material, labour, testing and commissioning as per Technical Specification. 15 mm dia service pipe	Mtr	5000	76.00	380,000.00	0.36	112.00	560,000.00	105.00	525,000.00	0.37	38.16
19	Supply, installation & commissioning of Water meters (magnetic type multizet class-B as per relevant IS) by removing nonfunctional meters including meter box and isolation valves, as per direction of Engineer. 15 mm dia service pipe	Nos	8800	1550.00	13,640,000.00	12.97	2,240.00	19,712,000.00	1,800.00	15,840,000.00	11.07	16.13
20	Supply Installation, testing and commissioning of LT -electric Panel suitable for operating 7nos pumping sets for 25 to 100 HP at existing Pump House Gajroop sagar WTP complete as per direction of Engineer in charge	Nos	1	654200.00	654,200.00	0.62	800,000.00	800,000.00	750,000.00	750,000.00	0.52	14.64
21	Providing and laying PVC insulated & PVC sheathed cable of 1.1 KV grade with aluminium conductor of IS :1554 Category-II and approved make including excavation of 30 cm x 75 cm size trenches. As per IS : 1255, 25cm thick under layer of sand IInd classes b	Mtr	70	250.00								
22	Providing installation, testing and commissioning of pumping machineries etc, complete of following duty conditions a At WTP existing Pump House for Union circle zone, Gausala zone											
i	Discharge- 76.69 lps Head-56 m	Nos	2	350000.00	700,000.00	0.67	1,147,496.00	2,294,992.00	946,685.00	1,893,370.00	1.32	170.48
b	At New Pump House (3.0 x 3.0 Mtr) at Gafur Bhatta											
ii	Discharge- 13.55 lps Head-31 m	Nos	2	150000.00	300,000.00	0.29	276,632.00	553,264.00	228,222.00	456,444.00	0.32	52.15
23	crossing of railway track through trenchless technology to cross the drinking water supply pipe line of size from 160 to 250 mm pipe as per standard approved practice of railway authority.	Mtr	50	38000.00	1,900,000.00	1.81	16,000.00	800,000.00	16,000.00	800,000.00	0.56	-57.89
	<b>Total Amount Section-A</b>				<b>85,797,220.00</b>	<b>81.59</b>		<b>124,023,648.80</b>		<b>114,500,470.00</b>	<b>80.05</b>	<b>33.45</b>
	<b>Section-B</b>											
1	Earth work in excavation in foundation, trenches manholes, road side chambers etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated material at a lead upto 50m suitable site as per direction of Engineer for following depths, below natural ground / Road top level. In all types soils such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.											
	(a) For depth 0.0 to 1.5 m	m³	1078	69.00	74,382.00	0.07	96.00	103,488.00	64.00	68,992.00	0.05	-7.25
	(b) For depth 1.5 to 3.0 m	m³	531	79.00	41,949.00	0.04	120.00	63,720.00	96.00	50,976.00	0.04	21.52
2	Providing and laying in position cement concrete M10 excluding the cost of centring and shuttering - All work upto plinth level :-1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size). For foundation and plinth protection	m³	237	2428.70	575,601.90	0.55	4000.00	948,000.00	3300.00	782,100.00	0.55	35.88
3	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	m³	36	3341.60	120,297.60	0.11	5024.00	180,864.00	4500.00	162,000.00	0.11	34.67

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
				5	6 = 4 x 5							
1	2	3	4	5	6 = 4 x 5							
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level : 1:1:2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size). (As per design mix)											
	(a) 0.0 m to 3.0 m below GL	m³	304	3,399.20	1,033,356.80	0.98	5312.00	1,614,848.00	4800.00	1,459,200.00	1.02	41.21
	(b) 0.0 m to 4.5 m above GL	m³	69	3,596.40	248,151.60	0.24	5600.00	386,400.00	5100.00	351,900.00	0.25	41.81
5	Providing and laying in position specified grade of cement concrete for RCC structural element up to floor three level including curing, compaction, finishing with rendering cement sand mortar 1:3 (1 cement : 3 sand) making good the joints excluding the cost of centring, shuttering and reinforcement for -M25 grade). (As per design mix)											
	(a) 4.5 m to 9.0 m above GL	m³	69	3,733.00	257,577.00	0.24	7200.00	496,800.00	6000.00	414,000.00	0.29	60.73
	Add extra for RCC work in superstructure above floor three level for each subsequent floor level or part there of for item no. 5A											
	(a) 9.0 m to 13.5 m above GL	m³	69	3,778.00	260,682.00	0.25	800.00	55,200.00	800.00	55,200.00	0.04	-78.82
	(b) 13.5 m to 18.0 above GL	m³	69	3,823.00	263,787.00	0.25	1280.00	88,320.00	1280.00	88,320.00	0.06	-66.52
	(c) 18.0 m to 22.5 m above GL	m³	403	3868.00	1,558,804.00	1.48	2080.00	838,240.00	2080.00	838,240.00	0.59	-46.23
	(d) 22.5 m to 27.0 m above GL	m³	270	3913.00	1,056,510.00	1.00	4000.00	1,080,000.00	4000.00	1,080,000.00	0.76	2.22
	(e) 27.0 m to 31.0 m above GL	m³	100	3958.00	395,800.00	0.38	6240.00	624,000.00	6240.00	624,000.00	0.44	57.66
6	Reinforcement for R.C.C. work at all levels including straightening, cutting, bending, placing in position and binding all complete.											
	Thermo-Mechanically Treated bars.	kg	143275	42.25	6,053,368.75	5.76	96.00	13,754,400.00	78.00	11,175,450.00	7.81	84.62
7	Centring and shuttering at all levels including strutting, propping etc. and removal of form for :											
	Foundations, footings, bases of columns, etc. for mass concrete.	SqM	459	104.80	48,103.20	0.05	176.00	80,784.00	165.00	75,735.00	0.05	57.44
	Columns, Pillars, Piers, Abutments, Posts and Struts, upto 3.5 m	SqM	1815	212.90	386,413.50	0.37	240.00	435,600.00	225.00	408,375.00	0.29	5.68
	Centring and shuttering with plywood or steel sheets including strutting, propping bothways etc. and removal of formwork for upto floor three level :											
	(a) 3.5 m to 9.0 m above GL	SqM	1300	212.90	276,770.00	0.26	400.00	520,000.00	375.00	487,500.00	0.34	76.14
	Add extra over item no. 7 for doing centering & shuttering for each subsequent storey upto above three floor level											
	(a) 9.0 m to 13.5 m above GL	SqM	600	218.90	131,340.00	0.12	48.00	28,800.00	48.00	28,800.00	0.02	-78.07
	(b) 13.5 m to 18.0 above GL	SqM	600	224.90	134,940.00	0.13	120.00	72,000.00	120.00	72,000.00	0.05	-46.64
	(c) 18.0 m to 22.5 m above GL	SqM	1175	230.90	271,307.50	0.26	200.00	235,000.00	200.00	235,000.00	0.16	-13.38
	(d) 22.5 m to 27.0 m above GL	SqM	1175	236.90	278,357.50	0.26	320.00	376,000.00	320.00	376,000.00	0.26	35.08
	(e) 27.0 m to 31.0 m above GL	SqM	700	242.90	170,030.00	0.16	520.00	364,000.00	520.00	364,000.00	0.25	114.08
8	Finishing walls with water proofing cement paint of required shade :											
	New work (Two or more coats applied @ 3.84 kg/10 sqm).	SqM	4800	30.45	146,160.00	0.14	96.00	460,800.00	60.00	288,000.00	0.20	97.04
9	Providing and fixing T /Angle iron frames for doors, windows and ventilators or mild steel tee or angle sections joints mitred and welded with 15 x 3mm lugs, 10 cm. Long embedded in cement concrete blocks 15 x 15 x 10cm. Size of 1 : 3 : 6 (1 cement : 3 courses and : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	kg	137	51.05	6,993.85	0.01	128.00	17,536.00	98.00	13,426.00	0.01	91.97
10	Providing and fixing M.S. sheet 20 SWG single leaf door shutter in angle iron frame 35 x 35 x 5cm suitability diagonally braced with 25 x 3mm flat iron above and below lock rail of size 50 x 5cm beading extra including all fittings, as per direction of Engineer incharge but excluding cost of chokhats including two coats of anti corrosive red oxide primer paint	SqM	21	1695.00	35,595.00	0.03	5120.00	107,520.00	3750.00	78,750.00	0.06	121.24

S.No.	Particulars	Unit	Quantity	Engineer's Estiamte		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
				5	6 = 4 x 5							
11	RR Masonry with CM (1:6) for foundation and plinth including preparation of mortar including water and curing etc., complete.	CuM	100	1756.85	175,685.00	0.17	3840.00	384,000.00	3000.00	300,000.00	0.21	70.76
12	Plastering on new surface of walls in CM (1:4) including tools & plants, scaffolding material and complete labour for mixing of material including cost of water and curing, racking of joints etc., complete.											
	Internal Plastering- 12mm thick	SqM	2520	76.85	193,662.00	0.18	160.00	403,200.00	90.00	226,800.00	0.16	17.11
	External Plastering-20mm thick	SqM	5290	109.95	581,635.50	0.55	224.00	1,184,960.00	113.00	597,770.00	0.42	2.77
13	Providing, lowering, laying, aligning, fixing in position at all level/ depths CI Class - B double flanged pipes of standard length of 2.75m as per IS : 7181 in trenches complete (excluding jointing and jointig material) including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer.											
	Inlet pipe ---- 350 mm	Meter	30	6307.00	189,210.00	0.18	10400.00	312,000.00	7500.00	225,000.00	0.16	18.92
	Inlet pipe ---- 300 mm	Meter	30	5136.00	154,080.00	0.15	9920.00	297,600.00	7200.00	216,000.00	0.15	40.19
	Overflow pipe ---- 300 mm	Meter	30	5136.00	154,080.00	0.15	9920.00	297,600.00	7200.00	216,000.00	0.15	40.19
	Outlet pipe ---- 350 mm	Meter	30	6307.00	189,210.00	0.18	10400.00	312,000.00	7500.00	225,000.00	0.16	18.92
	Wash out pipe ---- 200 mm	Meter	60	2995.00	179,700.00	0.17	7200.00	432,000.00	5700.00	342,000.00	0.24	90.32
	Inlet pipe ---- 250 mm	Meter	30	3994.00	119,820.00	0.11	8320.00	249,600.00	6300.00	189,000.00	0.13	57.74
	Wash out pipe ---- 150 mm	Meter	30	2055.00	61,650.00	0.06	5760.00	172,800.00	4500.00	135,000.00	0.09	118.98
	Outlet pipe ---- 400 mm	Meter	30	7708.00	231,240.00	0.22	14400.00	432,000.00	12000.00	360,000.00	0.25	55.68
	Overflow pipe ---- 250 mm	Meter	30	3994.00	119,820.00	0.11	8320.00	249,600.00	6300.00	189,000.00	0.13	57.74
	Outlet pipe ---- 300 mm	Meter	30	5136.00	154,080.00	0.15	9920.00	297,600.00	7200.00	216,000.00	0.15	40.19
14	Providing, lowering, laying, aligning, fixing in position in pipe line, manually operated CI D/F Sluice valves of approved make (IS: 14846 amended upto date) PN 1.0 class of following dia complete (excluding jointing and jointing material) including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer.											
	150 mm Dia -category "A"	Unit	1	10651.00	10,651.00	0.01	39430.00	39,430.00	32531.00	32,531.00	0.02	205.43
	200 mm Dia -category "A"	Unit	2	17589.00	35,178.00	0.03	61408.00	122,816.00	50661.00	101,322.00	0.07	188.03
	250 mm Dia -category "A"	Unit	1	26300.00	26,300.00	0.03	85584.00	85,584.00	70607.00	70,607.00	0.05	168.47
	300 mm Dia -category "A"	Unit	3	35681.00	107,043.00	0.10	117054.00	351,162.00	96570.00	289,710.00	0.20	170.65
	350 mm Dia -category "A"	Unit	3	83180.00	249,540.00	0.24	222621.00	667,863.00	183662.00	550,986.00	0.39	120.80
	400 mm Dia -category "A"	Unit	2	100518.00	201,036.00	0.19	264486.00	528,972.00	218201.00	436,402.00	0.31	117.08
15	Providing and fixing SS strainer Cylindrical type for out let of pipe as per specifications.-350 mm size	Unit	3	26113.00	78,339.00	0.07	40000.00	120,000.00	33000.00	99,000.00	0.07	26.37
16	Providing and Fixing MS Clamps for fixing CI D/F pipe verticals of all diametres etc., Complete as per specifications.	kg	1450	48.00	69,600.00	0.07	120.00	174,000.00	83.00	120,350.00	0.08	72.92
17	Providing & Fixing CI dismantling joint for Sluice Valves as per specifications - for PN1.0											
	200 mm Dia	Unit	2	5435.00	10,870.00	0.01	11200.00	22,400.00	7500.00	15,000.00	0.01	37.99
	250 mm Dia	Unit	1	7368.00	7,368.00	0.01	12800.00	12,800.00	8700.00	8,700.00	0.01	18.08
	300 mm Dia	Unit	3	8421.00	25,263.00	0.02	17600.00	52,800.00	9750.00	29,250.00	0.02	15.78
	350 mm Dia	Unit	3	9555.00	28,665.00	0.03	22400.00	67,200.00	10800.00	32,400.00	0.02	13.03
	400 mm Dia	Unit	2	12890.00	25,780.00	0.02	28800.00	57,600.00	15000.00	30,000.00	0.02	16.37
18	CI specials and fittings with bitumen coating : All flanged Tee's, Puddle collors, bellmouths, bends , flanged spigots both long and short peices, double flanged pipes, double flange reducers etc., complete suitable for CI pipes for various sizes of pipe lines as per specifications.	kg	13850	48.00	664,800.00	0.63	120.00	1,662,000.00	98.00	1,357,300.00	0.95	104.17
19	Providing and laying of PVC water stopper of 230mm wide 8 mm thick for construction joints as per specification and requirements at site and as directed by the engineer.	meter	1350	300.00	405,000.00	0.39	960.00	1,296,000.00	450.00	607,500.00	0.42	50.00

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
1	2	3	4	5	6 = 4 x 5							
20	Providing and laying of GI water stopper of 150 mm wide 18 gauge for construction joints as per specification and requirements at site and as directed by the engineer.	meter	1375	160.00	220,000.00	0.21	800.00	1,100,000.00	255.00	350,625.00	0.25	59.38
21	Providing, fabricating and erecting GI pipe 20 mm class B Hand railing for Walkway, top dome slab, staircase as per drawings and specifications	meter	515	450.00	231,750.00	0.22	288.00	148,320.00	288.00	148,320.00	0.10	-36.00
22	Providing, fabricating and erecting MS ladder of 450mm wide made of 65 x 65 x 6mm angle iron and 20mm MS bars for walk way to top of the ESR with three coats of anti corrosive paint as per drawings and specifications	meter	30	800.00	24,000.00	0.02	12800.00	384,000.00	2250.00	67,500.00	0.05	181.25
23	Providing, fabricating and erecting Aluminum ladder of 450mm wide inside the tank portion as per specification and as approved by engineer.	meter	34	1250.00	42,500.00	0.04	19200.00	652,800.00	3000.00	102,000.00	0.07	140.00
24	Providing & Fixing Cast Iron vent pipe 150 mm dia with stainless steel mosquito proof jali as per drawing etc., complete	Unit	16	4000.00	64,000.00	0.06	4800.00	76,800.00	4800.00	76,800.00	0.05	20.00
25	Providing and fixing water level indicator upto 5m height including MS enameled gauge plate, Copper float of 150mm dia., providing and fixing required accessories such as pointer, pulleys, SS rope including cost of all materials, labour etc., as per drawing complete	Unit	3	7500.00	22,500.00	0.02	6400.00	19,200.00	6400.00	19,200.00	0.01	-14.67
26	Providing and hoisting and fixing in position MS manhole frame and cover of best quality of 600mm x 600mm clear size with locking arrangement including applying two coats of anti corrosive paint etc., complete as per drawings and specifications.	Unit	3	4000.00	12,000.00	0.01	5600.00	16,800.00	4500.00	13,500.00	0.01	12.50
27	Providing and fixing in position lightning conductor of copper bar of 25mm dia. and 2m long connected by a aluminum strip of 25mm wide and 3mm thick and strip shall be connected to a 600mm x 600mm x 3mm thick Copper plate embeded below ground in earthing pit with 40mm dia. GI pipe, the earthing shall comply IS 3043 as per drawings and specifications etc., complete	Unit	3	10000.00	30,000.00	0.03	80000.00	240,000.00	52500.00	157,500.00	0.11	425.00
28	Providing and fixing wire mesh 25x 25x16 gauge anchored on all sides on angle frame of 25 x 25 x 3 mm with intermediate MS angle supports including providing and fixing mosquito proof steel jali etc. as per drawings and specifications complete.	SqM	95	1050.00	99,750.00	0.09	1600.00	152,000.00	1200.00	114,000.00	0.08	14.29
<b>Total Amount Section-B</b>					<b>19,022,083.70</b>	<b>18.09</b>		<b>36,007,827.00</b>		<b>27,846,037.00</b>	<b>19.47</b>	<b>46.39</b>
<b>Section-C</b>												
<b>Part-A</b>												
1	E/W in excavation in foundation trenches or drains inclg. dressing of sides and ramming of bottoms lift upto 1.5 m including taking out the excavated soil and depositing and refilling and disposal of surplus excavated soil as directed within a lead of 50m.											
I	For footings											
	0.0 to 1.5 mtr	Cum	22.68	69.00	1,564.92	0.00	96.00	2,177.28	64.00	1,451.52	0.00	-7.25
	1.5 to 3.0 mtr	Cum	4.54	79.00	358.66	0.00	128.00	581.12	96.00	435.84	0.00	21.52
2	P&L Cement concrete including curing compaction etc. complete using stone agg. 20mm nominal size in foundation and plinth excluding cost of shuttering using 1:3:6(M-10)	Cum	3.78	2428.70	9,180.49	0.01	4000.00	15,120.00	3300.00	12,474.00	0.01	35.88
3	Providing and laying cement concrete (M-15) including curing, compaction etc. using hard broken stone aggregate 20 mm nominal size in foundation and plinth, excluding cost of shuttering, complete.											
a	for ramp	Cum	3.24	2888.95	9,360.20	0.01	4160.00	13,478.40	3900.00	12,636.00	0.01	35.00
4	Providing and laying in laying in position machine batched, machine mixed and machine vibrated design cement concrete in RCC (M-20) work in foundations, Sub structure and Super Structure, pump foundation, thrust blocks, anchoring etc., including curing, com											
e	Lintel Beam	Cum	1.80	3341.00	6,013.80	0.01	5120.00	9,216.00	3900.00	7,020.00	0.00	16.73

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
1	2	3	4	5	6 = 4 x 5							
f	Roof Beam & Slab	Cum	2.98	3341.60	9,957.97	0.01	5440.00	16,211.20	4500.00	13,410.00	0.01	34.67
5	Providing & Fabricating steel reinforcement for RCC work in all type of RCC works etc including cutting, bending, placing in position and binding, complete. including cost of binding wire in foundations, substructure and superstructure etc., complete											
a	Hot Rolled Deformed bars, Cold twisted bars as per IS specifications at all levels	Kg	363.03	42.25	15,338.02	0.01	96.00	34,850.88	78.00	28,316.34	0.02	84.62
6	Centering & shuttering with plywood or steel sheet incl. strutting proping, bracing both way with wooden members and removal of formwork for all type of RCC works for superstructure upto 4.5 mtr height above plinth level for suspended floor, roofs, landin											
e	Lintel Beam	Sqm	10.80	172.50	1,863.00	0.00	176.00	1,900.80	165.00	1,782.00	0.00	-4.35
f	Roof Beam & Slab	Sqm	19.72	172.50	3,401.70	0.00	224.00	4,417.28	224.00	4,417.28	0.00	29.86
7	Brick Masonry with bricks of class 75 with CM (1:4) in super structure including laying of scaffolding material, preparation of mortar including water and curing etc., complete for super structure up to 4.5 mt height	Cum	18.22	2121.15	38,647.35	0.04	3520.00	64,134.40	3000.00	54,660.00	0.04	41.43
8	Plastering on new surface of walls including tools & plants, scaffolding material and complete labour for mixing of material including cost of water and curing, racking of joints etc., complete											
a	Internal plaster smooth - 12mm thick( in CM (1:4))	Sqm	84.00	76.85	6,455.40	0.01	96.00	8,064.00	90.00	7,560.00	0.01	17.11
b	Outside plaster-sand face - 12mm thick( in CM (1:4))	Sqm	88.20	76.85	6,778.17	0.01	96.00	8,467.20	96.00	8,467.20	0.01	24.92
9	Finishing wall with water proof cement paint of approved brand and manufacture and or required shade to give an even shade including all scaffolding	Sqm	172.20	24.85	4,279.17	0.00	96.00	16,531.20	53.00	9,126.60	0.01	113.28
10	Providing and fixing T - iron@1.8Kg/m (30x30x4mm) frames for doors, windows and ventilators or mild steel tee or angle sections joints mitred and welded with 15 x 3mm lugs, 10 cm. Long embedded in cement concrete blocks 15 x 15 x 10cm. Size of 1 : 3 : 6											
a	For doors	Kg	25.90	51.05	1,322.20	0.00	128.00	3,315.20	90.00	2,331.00	0.00	76.30
b	For windows/almiras	Kg	130.00	51.05	6,636.50	0.01	128.00	16,640.00	90.00	11,700.00	0.01	76.30
11	Providing and fixing M.S. sheet 20 SWG single leaf door shutter in angle iron frame 35 x 35 x 5cm suitability diagonally braced with 25 x 3mm flat iron above and below lock rail of size 50 x 5cm beading extra including all fittings, as per directio	Sqm	4.20	1695.00	7,119.00	0.01	5120.00	21,504.00	3750.00	15,750.00	0.01	121.24
12	Providing and fixing M.S. sheet 20 SWG double leaf door shutter for almiras in angle iron frame 35 x 35 x 5cm suitability diagonally braced with 25 x 3mm flat iron above and below lock rail of size 50 x 5cm beading extra including all fittings, as per dir	Sqm		2034.00			5120.00		4200.00			
13	Providing and fixing steel glazed doors, windows and ventilator shutters of standard rooled steel section joints mitred and welded with steel lugs 13 x 3mm, 10 cm. long embedded in cement concrete block 15 x 10 x 10 cm. of 1:3:6 (1 cement : 3 coarse sand	Kg	140.00	24.15	3,381.00	0.00	128.00	17,920.00	105.00	14,700.00	0.01	334.78
14	Providing and fixing square bars(12mm) or other flats welded to windows, ventilators etc. complete as per design and drawing including cutting,welding and fabrication with priming coat of redoxide and painting with approved paint	Kg	86.11	42.60	3,668.29	0.00	128.00	11,022.08	90.00	7,749.90	0.01	111.27
15	Supplying and fixing fixed wire gauge of 14 mesh x 24 gauge to the metal frame of rolled section by metal beading 20 x 3 mm with suitable screw and not exceeding 150 mm distance.	Sqm	8.40	185.00	1,554.00	0.00	640.00	5,376.00	375.00	3,150.00	0.00	102.70
16	Supplying and fixing rolling shutters of approved make made of 80*1.25mm MS laths interlocked together through there entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guide arrangements	Sqm	11.52	1251.34	14,415.44	0.01	3200.00	36,864.00	3200.00	36,864.00	0.03	155.73

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
				5	6 = 4 x 5							
17	Providing and fixing PVC door frames made from extruded PVC section having multichamber cross sec. with a maximum wall thickness of 2.8 0.3mm only duly reinforced with steel, tie rod, at bottom, and weather seals complete-PVC door frames of section ( 40 x	Rm	4.00	100.00	400.00	0.00	800.00	3,200.00	800.00	3,200.00	0.00	700.00
18	Providing and fixing of plastic door shutter infill made from multi chamber hollow PVC section having cross section of 200 x 20 x 1mm joined with one another by a dove tail locking system and shutter made from extruded PVC section in over all cross sectio	Sqm	4.00	1195.00	4,780.00	0.00	4000.00	16,000.00	1800.00	7,200.00	0.01	50.63
19	Providing and laying lime Dhar only 90mm thick average on roofs on ground floor with 1:2:2:2 (1 lime putty:2 sand:2old lime mortar power : 2 stone grit) mix by volume (Jaipur Practice) as per specifications	Sqm	18.00	160.00	2,880.00	0.00	2880.00	51,840.00	270.00	4,860.00	0.00	68.75
20	Providing and laying 52mm thick with metallic concrete hardener topping, under layer of 42 mm thick cement concrete (1:2:4) using 20 mm crusher broken aggregate and top layer of 18 mm thick metallic concrete hardener consisting of mix 1:2 (one cement :	Sqm	18.00	259.45	4,670.10	0.00	960.00	17,280.00	450.00	8,100.00	0.01	73.44
21	Providing and fixing on wall face CI rain water pipes including filling the joint with spun yarn soaked in neat cement slurry and CM (1:2) of 100 mm dia. Compete as per specification	RM	12.80	170.00	2,176.00	0.00	2880.00	36,864.00	750.00	9,600.00	0.01	341.18
22	Providing and fixing on wall face CI accessories for pipe including etc for rain water pipes including filling the joint with spun yarn soaked in neat cement slurry and CM (1:2) of 100 mm dia. Compete as per specification		4.00									
a	CI Bend	Nos	4.00	95.00	380.00	0.00	800.00	3,200.00	450.00	1,800.00	0.00	373.68
b	CI shoe	Nos	4.00	95.00	380.00	0.00	800.00	3,200.00	450.00	1,800.00	0.00	373.68
23	Providing and fixing 40mm dia. GI medium 'B' class railing with two horizontal pipes and 0.75 Mtr. Long vertical pipe 1.50 Mtr. Centre to Center with all accessories, like elbows,tees etc., including welding,threading and embedding in Cement concrete M-15	RM	12.00	590.00	7,080.00	0.01	960.00	11,520.00	750.00	9,000.00	0.01	27.12
<b>Total-A</b>					<b>174,041.36</b>	<b>0.17</b>		<b>450,895.04</b>		<b>299,561.68</b>	<b>0.21</b>	<b>72.12</b>
<b>Part-B</b>												
24	Supply Installation, testing and commissioning of LT -electrice Panel with two starters suitable for operating 2nos pumping sets for 10 HP new Pump House at Gafur Bhatta complete as per direction of Engineer in charge	No.	1	55000.00	55,000.00	0.05	40000.00	40,000.00	37500.00	37,500.00	0.03	-31.82
25	Supply, installation testing & Commissioning of											
	a) 1 x 40w Industrial vitreous enamelled tube light fixtures with all electrical items & bulbs complete	No.	2.00	600.00	1,200.00	0.00	800.00	1,600.00	750.00	1,500.00	0.00	25.00
	b) 100w GLS bulk head fixture with bulb	No.	2.00	300.00	600.00	0.00	480.00	960.00	450.00	900.00	0.00	50.00
	c) Ceiling fan (1400 mm sweep) with electronic regulator	No.	2.00	1290.00	2,580.00	0.00	2400.00	4,800.00	2250.00	4,500.00	0.00	74.42
	d) 15 amps 230V single phase 3 pin plug, & socket with switch (industrial type)	No.	4.00	250.00	1,000.00	0.00	240.00	960.00	225.00	900.00	0.00	-10.00
26	Wiring for Light Point / Fan / with 1.5 sq.mm PVC insulated, unsheated, single core copper conductor wire of 650 / 1100 Volts grade of Category I make in recess PVC conduit pipe of dia 19mm with thickness not less than 2 mm including supplying fixing etc											
	Short point(up to 3 mtr.)	Nos.	1	170.00	170.00	0.00	480.00	480.00	450.00	450.00	0.00	164.71
	long point( up to 10 mtr)	Nos.	1	282.20	282.20	0.00	1600.00	1,600.00	1500.00	1,500.00	0.00	431.54
	medium point( up to 6 mtr.)	Nos.	1	394.40	394.40	0.00	960.00	960.00	900.00	900.00	0.00	128.19
27	Supply & lay GI/Copper Earth Conductor from Electrode to source in ground / floor / wall / on saddles etc. in approved manner complete.											

S.No.	Particulars	Unit	Quantity	Engineer's Estimate		% of work	1/1 M/S SMS Paryavaran Ltd				% of work	% Variation of Lowest from Engineer's Estimate
				Unit Rate	Amount		Unit Rate	Amount	Negotiated	Negotiated Amount		
1	2	3	4	5	6 = 4 x 5							
d	8SWG GI wire	Rm	40.00	39.70	1,588.00	0.00	24.00	960.00	23.00	920.00	0.00	-42.07
28	Supply, Install, test, terminate & commission the following 1.1 KV grade PVC insulated, PVC sheathed, galvanized steel wire armored Aluminum conductor Cable under ground or through cement pipe etc. including supply & installation catagory -I											
b	3C - 4Sq. MM (AYWY LT cable)											
	i. Supply & laying	RM	90.00	60.00	5,400.00	0.01	240.00	21,600.00	225.00	20,250.00	0.01	275.00
	<b>Total-B</b>				<b>68,214.60</b>	<b>0.06</b>		<b>73,920.00</b>		<b>69,320.00</b>	0.05	1.62
	<b>Part-C</b>											
	<b>Pipes and Pipe fittings</b>											
29	Providing MS Pipes , all types of Specials including puddle collars and dismantal joints external epoxy coating for inside and outside of the pumping station to all types of diameters and fixing in position with the pipelines complete as per Technical sp	Kg	500.00	100.00	50,000.00	0.05	128.00	64,000.00	120.00	60,000.00	0.04	20.00
30	<b>VALVES</b>											
	Providing and supplying CI D/F sluice valves (IS: 780 and 2906-1984) of following dia. of hand wheel operated including all taxes railway freight , inspection charges , loading and unloading, stacking etc., including lowering, laying and jointing with											
	<b>PN-1.6</b>											
a	Sluice Valve 100 mm dia	No's	4.00	3702.00	14,808.00	0.01	24472.00	97,888.00	20190.00	80,760.00	0.06	445.38
b	Sluice Valve 125 0mm dia	No's	4.00	4609.00	18,436.00	0.02	32278.00	129,112.00	26630.00	106,520.00	0.07	477.78
31	Providing and supplying CI D/F reflux valves (Non return valves with by pass arrangement) as per IS: 5312 Part I -1984 of following dia. including all taxes, railway freight, inspection charges, loading and unloading, stacking etc., including lowering etc											
	<b>PN-1.6</b>											
a	Reflux Valve 125 mm dia	No's	4.00	3235.50	12,942.00	0.01	24034.00	96,136.00	19829.00	79,316.00	0.06	512.86
	<b>Total Part C</b>				<b>96,186.00</b>	<b>0.09</b>		<b>387,136.00</b>		<b>326,596.00</b>	0.23	239.55
	<b>Total of Section C of Part A+B+C</b>				<b>338,441.96</b>	<b>0.32</b>		<b>911,951.04</b>		<b>695,477.68</b>	0.49	105.49
	<b>Grand Total of Section A+B+C</b>				<b>105,157,745.66</b>	<b>100.00</b>		<b>160,943,426.84</b>		<b>143,041,984.68</b>	100.00	36.03
	<b>Amount quoted by the Bidder (w ithout Provisional Sum)</b>							<b>161,116,106.80</b>		<b>143,202,881.80</b>		
	<b>Arithmetical Corrections</b>							<b>-172,679.96</b>		<b>-160,897.12</b>		
	<b>Discount / Add on (5.5%)</b>							<b>1,931,321.12</b>		<b>7,867,309.16</b>		
	<b>Net Amount after discount</b>				<b>105,157,745.66</b>			<b>159,012,105.72</b>		<b>135,174,675.52</b>		28.54
	<b>Part B – Provisional Sums (For Third Party Inspection, Shifting of Utilities etc.)</b>				<b>750,000.00</b>			<b>750,000.00</b>		<b>750,000.00</b>		
	<b>Grand Total in Rs.</b>				<b>105,907,745.66</b>			<b>159,762,105.72</b>		<b>135,924,675.52</b>		

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