

Name of work : Providing sewerage scheme in village sewli "Laying ,cutting ,jointing of balance sewer lines construction of manehole chamber, providing balance water supply lines laying ,cutting ,jointing of DI pipes and special of various sizes including construction of sluice valve haudies & all other works contingent therto".

A/c Rs. 11.32 Lacs

Sr. No.	HSR Item	Description	Qty	Unit	Rate
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A Sewer Line

1	6.10 (a)	EXCAVATION, OF TRENCHES IN STREETS, LANES OR IN OPEN AREAS FOR STORM SEWER, SEWERS RUNNING BY GRAVITY AND MANHOLES TO FULL DEPTHS AS SHOWN IN DRAWINGS INCLUDING SHORING TIMBERING OF POLING BOARDS, FRAME SYSTEM TYPE, dressing to correct sections and dimensions, according to templates and levels, dewatering, provision for diversion of traffic cutting trees and bushes etc. night signals, profiles, pegs, sight rails, boning rods, crossing over trenches for access to the houses, watching fencing etc, fixing and maintenance of caution boards, refilling of trenches, watering of refill in 15 cm layers, ramming and restoration of unmetalled or unpaved surface to original condition AND REMOVAL OF SURPLUS SOIL, FROM SITE OF WORK, UPTO A LEAD OF 1 KM IN ORDINARY SOIL (a) for depths of excavation not exceeding 3 metres below ground level	640.00	Per 100 cum	1919.00
2	10.26	Cement concrete 1:8:16 with brick ballast 40 mm Nominal size in foundation and plinth	55.00	cum	300.20
3	10.41	Cement concrete 1:2:4 with stone aggregate 20 mm Nominal size in foundation and plinth	6.10	cum	615.60
4	10.82	Cement concrete 1:2:4 with stone aggregate 20mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal ,excluding steel reinforcement, but including centring and shuttering ,laid in position , complete in all respects.	5	cum	997.90
5	18.22	FE-500 EQR TMT steel bars for RCC, works, where not included in the complete rate of RCC including bending, binding and placing in position complete.	4.60	Qtl	917.05
6	11.23	First class brick work laid in cement, stone dust (from crusher) mortar 1:5 in foundation and plinth.	33.00	Cum	427.70

7	13.89 (a)	Providing & fixing PVC rain water pipe 6 kg presser of IS mark in cement mortor doring masonry work 100mm dia PVC pipe 6 kg. Pressure	450	Mtr	182.00
8	15.3+15.75	12 mm thick cement plaster 1:2 Cement rendering on plaster 1 mm thick.	95.00	Sqm	20.85
9	29.43	Extra over the rate laid down in this schedule for cement concrete work for making and finishing benching and complicated floor work in manholes, including formation of channels and bullnozing and smooth finishing the surface accurately to template.	27.00	Sqm	12.50
10	29.28	Fixing C.I. / D.I or malleable iron step including carriage from stores of the Engineer-in-charge to the site of works and setting the same to correct lines and levels in the work embedded in 1:2 cement and land mortar.	60	Nos	1.05
11	29.94	Providing and fixing SFRC MANHOLE COVERS AND FRAMES MARKED WITH IS: 12592 including setting the same to correct lines and levels in 1:2 cement sand mortal over manhole including carriage loading unloading stacking handling re-handling etc. complete in all respects to the satisfaction of Engineer-in-charge Type Extra Heavy duty set (EHD-35) 560mm Clear opening	30	Nos	1200.00
12	29.95	Providing, SALT GLAZED STONE WARE PIPES GRADE 'A' INSTANDARD LENGTH OF 600MM EACH PIPE MARKED WITH IS: 651 and their lowering, cutting, jointing and testing as described in HSR item No.29.38, 29.39, 29.40 including the cost of jointing materials as well as carriage, loading, unloading stacking, handling, re-handling etc. complete in all respects to the satisfaction of Engineer-in- Charge.			
	(f)	250 mm	500	Mtr	386.00
B Water supply					
13	6.8 (a)	EXCAVATION FOR PIPELINES RUNNING UNDER PRESSURE IN TRENCHES AND PITS, IN OPEN AREAS, WHERE DISPOSAL OF SURPLUS EARTH IS DONE ALONGWITH THE ALIGNMENT including trimming & dressing sides, leveling of beds of trenches to correct grade, cutting joint holes cutting trees and bushes, etc., refilling consolidation and watering of refo;; om 15 cm layers AND RESTORATION OF UNMETALLEDOR UNPAVED SURFACE TO ITS ORIGINAL CONDITION, including the cost of dewatering of rain water, diversion of traffic night signals fixing caution boards, watching fencing etc., and outside the town in ORDINARY SOIL (a) without timbering and shoring upto 1.5 metres depth	1185	Per 100 cum	1030.00

14	28.1	Stringing out C.I. / D.I. pipes and specials castings along trenches and laying the same in trenches to correct, alignment and gradients including cartage from divisional stores or nearest railway station to site of works and return of pieces of pipes to stores			
	(b)	100mm internal diameter pipe line laid complete	1210.00	Per 10 mtr	11.35
	(d)	150mm internal diameter pipe line laid complete	450.00	Per 10 mtr	18.40
15	28.3	Cutting cast iron / D.I. pipes and specials and chipping or fillin the surface to a uniform finish			
	(b)	100mm internal diameter pipe line	10	Nos	3.50
	(d)	150mm internal diameter pipe line	5	Nos	5.25
16	28.4	Jointing cast iron /D.I. socketted pipes, valves and specials with run lead caulked joints excuding cost of lead and yarn but including cost of labour, fuel and tools etc. tesed complete			
	(b)	100mm	55	Nos	7.65
	(d)	150mm	35	Nos	9.55
	(e)	200mm	16	Nos	11.95
17	28.6	Jointing cast iron /D.I. socketted pipes, valves and specials with rubber tyton joints titted complete including cost of labour, fuel and tools etc. tesed complete			
	(b)	100mm internal diameter of pipe, valves or specials	245	Nos	6.10
	(d)	150mm internal diameter of pipe, valves or specials	90	Nos	7.25
18	28.10	Extra for fixing sluice valves/flap valves socketted or flanged, including cartage rom stores or nearest railway station to site of work .			
	(b)	100mm internal diameter of valves	4	Nos	11.85
	(d)	150mm internal diameter of valves	2	Nos	16.60
	(e)	200mm internal diameter of valves	2	Nos	19.25
19	Appd. Item	Prov.& fixing C.I. /D.I.specials of various sizes ISI marked including loading /unloading cartage etc. complete in all respect to the entire satisfaction of the Engineer in Charge	1755	Kg	68.00
20	6.6	Earth work in excavation in foundations, trenches, etc. in all kinds of soils, not exceeding 2 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil, clear from the edge of excavation and subsequent filling around masonry, in 15 cm layers with compaction, including disposal of all surplus soil, as directed within a lead of 30 metres	30.00	Per 100 cum	1108.10

21	8.6 (d)	cement concrete plain 1:2:4	1.50	cum	71.85
22	10.26	Cement concrete 1:8:16 with brick ballast 40 mm Nominal size in foundation and plinth	2.50	cum	300.20
23	11.23	First class brick work laid in cement, stone dust (from crusher) mortar 1:5 in foundation and plinth	11.00	cum	427.70
24	10.41	Cement concrete 1:2:4 with stone aggregate 20 mm Nominal size in foundation and plinth	0.70	cum	615.60
25	10.82	Cement concrete 1:2:4 with stone aggregate 20mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal ,excluding steel reinforcement, but including centring and shuttering ,laid in position , complete in all respects	2.70	cum	997.90
26	15.3+15.75	12 mm thick cement plaster 1:2 Cement rendering on plaster 1 mm thick.	32.00	Sqm	20.85
27	18.22	Fe-500 EQR TMT steel bars for RCC, works, where not included in the complete rate of RCC including bending, binding and placing in position complete.	2.70	Qtl	917.05
28	18.15 (a)	Supplying M.S. Bolts of required sizes with nuts and washers complete.	30.00	Kg	14.00
29	24.37	Dismantling of road including soling and wearing coat, screening and stacking of old serviceable material, complete in all respect	16.00	Per 100 sqm	5.25
30	Appd. Item	Providing , laying , jointing of GI pipe15 mm B Class I/C excavation.	450	Mtr	122.00
31	Appd. Item	Providing & fixing fruel , unioun , bend, & other item for making water supply Connection	150	Nos	620.00
32	Appd. Item	Removing of existing interlocking tiles	270	Per sqm	36.00
33	10.159	Laying 80mm thick interlocking paver blocks of all shapes and colours in design mix cement M-35 over a bed of 30mm thick fine sand complete in all respect	270	Sqm	65.00

Executive Engineer
 HUDA RGEC Division
 Sonapat