

SURAT MUNICIPAL CORPORATION					
NEW EAST(SARTHANA) ZONE					
STORM DRAINAGE AND DRAINAGE DEPARTMENT					
(GWSSB SOR 2022-23)					
Schedule -B					
NAME OF WORK:- Repairing, Maintenance and Extension of Drainage/Storm Drainage line including construction of Drainage/Storm Drainage machineholes, Storm Inlet Chambers where required in various TP Roads of Sarthana, Valak, Bhada and Laskana in New East (Sarthana) Zone, Surat Municipal Corporation.					
Estimated Amount Rs.			9975158.12		
SR. No.	ITEMS	QTY.	RATE (Without GST)	PER	AMOUNT
			Rs.		Rs.
1	ITEM NO.1				
	Providing cutting of existing bituminous surface up to suitable depth in line and alignment using Mechanically operated cutter machine before excavating existing surface for utility laying including cost of all type of machinery, fuel, labour etc. and as per direction of engineer in charge.	100.00	51.00	Rmt.	5100.00
2	ITEM NO.2				
	Excavation for pipe line trenches for water supply, sewerage line, machine hole 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 hard Murrum , boulders incl. macadam road.	600.00	155.25	C.M.	93150.00
3	ITEM NO.3				
	Excavation in bituminous road 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..				
	Excavation in Bituminous road	300.00	288.65	C.M.	86595.00
4	ITEM NO.4				
	Demolition/Dismantalling RCC work or masonry work or removing of paver block flooring in any part including stacking of serviceable/useful material and disposal of unserviceable material with all lead and lift.				
	(A) Brick masonry work/Paver block	50.00	550.40	C.M.	27520.00
	(B) Unreinforced C.C.	50.00	609.26	C.M.	30463.00
	(C) RCC work	30.00	1057.85	C.M.	31735.50
5	ITEM NO.5				
	Excavation for pipe line trenches for water supply, sewerage line, machine hole 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 sorts of soil and soft murrum.				
	(A) Upto 1.5 Mt. dpt.from G.L.	800.00	102.35	C.M.	81880.00
	(B) 1.5 Mt. TO 3.00 Mt. Depth	700.00	112.70	C.M.	78890.00
	(C) 3.0 Mt TO 4.50 Mt depth	300.00	118.45	C.M.	35535.00
	(D) 4.5 Mt. TO 6.00 Mt. Depth	50.00	125.35	C.M.	6267.50
	(E) 6.0 Mt TO 7.50 Mt depth	0.00	129.95	C.M.	0.00
	(F) For every extra additional depth of 1.5 mt. or part there of beyond 7.5 mt. depth		32.20	C.M.	
6	ITEM NO.6				
	Providing maintaining up to the required period safe guarding lightening the excavated trenches with proper barricading, fencing with timer balles, bamboos, G.I. sheets, red flag and red lights along with the provision of the chowkidars as directed by Engineer-in-charge.	2000.00	12.05	S.M.	24100.00
7	ITEM NO.7				
	Removing of existing pipeline incl. removal of specials, valves jointing material including carting and stacking of removed material for site of work to the department store as directed excl. excavation and refilling. RCC Pipes				

	300 mm Dia.	50.00	61.00	Rmt.	3050.00
	350 mm Dia.	0.00	70.00	Rmt.	0.00
	400 mm Dia.	0.00	82.00	Rmt.	0.00
	450 mm Dia.	100.00	89.00	Rmt.	8900.00
	500 mm Dia.	0.00	97.00	Rmt.	0.00
	600 mm Dia.	0.00	120.00	Rmt.	0.00
	700 mm Dia.	0.00	135.00	Rmt.	0.00
	750 mm Dia.	0.00	144.00	Rmt.	0.00
	800 mm Dia.	0.00	155.00	Rmt.	0.00
	900 mm Dia.	0.00	171.00	Rmt.	0.00
8	ITEM NO.8				
	Bedding :				
	Supplying & Filling with fine sand in compacted thickness over the base including watering ramming, consolidating & dressing etc. complete. Item includes by using vibratory plates compacted machine and as directed by engineer in charge.	0.00	329.00	C.M.	0.00
9	ITEM NO.9				
	Providing and supplying ISI Standard R.C.C. pipes in standard lengths of following class and diameter suitable for rubber ring joints including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below. Lowering, laying and jointing R. C.C. pipes in C. M. 1:1 1/2 of following diameters in proper position, grade and alignment at all levels as directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code.				
	(D1) 250 mm dia (NP3 Class)	150.00	638.55	Rmt.	95782.50
	(D2) 250 mm dia (NP4 Class)	0.00	868.55	Rmt.	0.00
	(E1) 300 mm dia (NP3 Class)	100.00	891.85	Rmt.	89185.00
	(E2) 300 mm dia (NP4 Class)	0.00	1223.85	Rmt.	0.00
	(H1) 450 mm dia (NP3 Class)	250.00	1557.65	Rmt.	389412.50
	(H2) 450 mm dia (NP4 Class)	50.00	2375.65	Rmt.	118782.50
	(J1) 600 mm dia (NP3 Class)	100.00	2208.20	Rmt.	220820.00
	(J2) 600 mm dia (NP4 Class)	0.00	3256.20	Rmt.	0.00
	(M1) 900 mm dia (NP3 Class)	200.00	3992.00	Rmt.	798400.00
	(M1) 900 mm dia (NP4 Class)	50.00	7029.00	Rmt.	351450.00
	(N1) 1000 mm dia (NP3 Class)	0.00	5252.25	Rmt.	0.00
	(N2) 1000 mm dia (NP4 Class)	0.00	8713.25	Rmt.	0.00
	(P1) 1200 mm dia (NP3 Class)	700.00	6405.00	Rmt.	4483500.00
	(P2) 1200 mm dia (NP4 Class)	0.00	10210.00	Rmt.	0.00
	(Q1) 1400 mm dia (NP3 Class)	0.00	8178.10	Rmt.	0.00
	(Q2) 1400 mm dia (NP4 Class)	0.00	14801.10	Rmt.	0.00
	(R1) 1600 mm dia (NP3 Class)	0.00	11830.55	Rmt.	0.00
	(R2) 1600 mm dia (NP4 Class)	0.00	18365.55	Rmt.	0.00
	(S1) 1800 mm dia (NP3 Class)	0.00	14355.50	Rmt.	0.00
	(S2) 1800 mm dia (NP4 Class)	0.00	20002.50	Rmt.	0.00
	(L1) 2000 mm dia (NP3 Class)	0.00	16880.45	Rmt.	0.00
	(L2) 2000 mm dia (NP4 Class)	0.00	21718.45	Rmt.	0.00
	(N1) 2200 mm dia (NP3 Class)	0.00	19405.40	Rmt.	0.00
	(N2) 2200 mm dia (NP4 Class)	0.00	23434.10	Rmt.	0.00
		1600.00	Total Length		
10	ITEM NO.10				
	Providing and constructing Sewer machine holes , scraper machine holes and unit house connection chamber, as per the type design in brick masonry in C. M. 1:5 and inside and outside 20mm thick plastering in C.M. 1:3 necessary 100 mm coping with reinforcement in R.C.C.M.200 fixing C. I. steps and fixing machine hole frame and covers (But excluding supply of machine hole frame and covers) over machine holes and house connection chambers and fixing machine hole covers (but excluding supplying of machine hole covers) over scraper machine hole etc. complete, providing and fixing safety chain wherever necessary as per the stipulations in the type design complete as per latest CPHEEO manual.(excl. excavation).				

	(A) TYPE-A : 1200 mm DIA				
	0.70 mt.Depth	5.00	10190.60	No.	50953.00
	0.80 mt.Depth	2.00	10853.40	No.	21706.80
	0.90 mt.Depth	2.00	11516.20	No.	23032.40
	1.00 mt.Depth	10.00	12179.00	No.	121790.00
	1.10 mt.Depth	5.00	12841.80	No.	64209.00
	1.20 mt.Depth	10.00	13504.60	No.	135046.00
	1.30 mt.Depth	3.00	14167.40	No.	42502.20
	1.40 mt.Depth	5.00	14830.20	No.	74151.00
		42.00			
	(Add or Deduct Rs.662.8 per 0.10 mt. Depth increase or decrease.)				
	(B) TYPE- B : 1500 mm DIA				
	1.50 mt. Depth	5.00	21116.00	No.	105580.00
	1.60 mt. Depth	3.00	22347.30	No.	67041.90
	1.70 mt. Depth	3.00	23578.60	No.	70735.80
	1.80 mt. Depth	3.00	24809.90	No.	74429.70
	1.90 mt. Depth	3.00	26041.20	No.	78123.60
	2.00 mt. Depth	5.00	27272.50	No.	136362.50
	2.10 mt. Depth	2.00	28503.80	No.	57007.60
	2.20 mt. Depth	2.00	29735.10	No.	59470.20
	2.30 mt. Depth	2.00	30966.40	No.	61932.80
	2.40 mt. Depth	2.00	32197.70	No.	64395.40
	2.50 mt. Depth	2.00	33429.00	No.	66858.00
	2.60 mt. Depth	0.00	34660.30	No.	0.00
	2.70 mt. Depth	1.00	35891.60	No.	35891.60
	2.80 mt. Depth	1.00	37122.90	No.	37122.90
	2.90 mt. Depth	1.00	38354.20	No.	38354.20
	3.00 mt. Depth	2.00	39585.50	No.	79171.00
	3.10 mt. Depth	0.00	40816.80	No.	0.00
	3.20 mt. Depth	0.00	42048.10	No.	0.00
	3.30 mt. Depth	0.00	43279.40	No.	0.00
	3.40 mt. Depth	1.00	44510.70	No.	44510.70
	3.50 mt. Depth	1.00	45742.00	No.	45742.00
	3.60 mt. Depth	1.00	46973.30	No.	46973.30
	3.70 mt. Depth	0.00	48204.60	No.	0.00
	3.80 mt. Depth	0.00	49435.90	No.	0.00
	3.90 mt. Depth	1.00	50667.20	No.	50667.20
	(Add or Deduct Rs.1231.30 per 0.10 mt. Depth increase or decrease.)				
	(C) machinehole Type "C" circular type having inside diameter of minimum 1500 mm and for depth beyond 4.0 m to 6.0 m depth (for 150 mm to 1800 mm dia sewers)				
	1 machinehole Type "C" as above but up to 4.0 m. depth	0.00	52908.00	No.	0.00
	2. Extra depth beyond 4.0 m and up to 6.0 m depth for type "C" machinehole above		18786.00	Rmt.	
	(D) machinehole Type "D" circular type having inside diameter of minimum 1500 mm and for depth beyond 6.0 m to 10.0 m depth (for 150 mm to 500 mm dia sewers)				
	1 machinehole Type "D1" as above but up to 6.0 m. depth	0.00	91174.00	No.	0.00
	2. Extra depth beyond 6.0 m and up to 10.0 m depth for type "D1" machinehole above		22110.00	Rmt.	
	(E) machinehole Type "D2" circular type having inside diameter of minimum 1500 mm and for depth beyond 6.0 m to 10.0 m depth (for 600 mm to 1000 mm dia sewer)				
	1 machinehole Type "D2" as above but up to 6.0 m. depth	0.00	89818.00	No.	0.00
	2. Extra depth beyond 6.0 m and up to 10.0 m depth for type "D2" machinehole above		22121.00	Rmt.	
	(F) machinehole Type "D3" circular type having inside diameter of minimum 1900 mm and for depth beyond 6.0 m to 10.0 m depth (for 1100 mm to 1800 mm dia sewer)				
	1 machinehole Type "D3" as above but up to 6.0 m. depth	0.00	109142.00	No.	0.00
	2. Extra depth beyond 6.0 m and up to 10.0 m depth for type "D3" machinehole above		26015.00	Rmt.	

	(G) Scraper machinehole Type "S1" rectangular type having inside dimention 1500 mm x 1500 mm for 600 mm dia to 1200 mm dia sewer pipe and for depth 2.5 m to 9.0 m depth				
	1 Scraper machinehole Type "S1" as above but up to 2.5 m. depth	0.00	52319.00	No.	0.00
	2. Extra depth beyond 2.5 m and up to 9.0 m depth for type "S1" scraper machinehole above		31907.00	Rmt.	
	(H) Scraper machinehole Type "S2" rectangular type having inside dimention 1900 mm x 1900 mm for 1400 mm dia sewer pipes and for depth 2.5 m to 9.0 m				
	1 Scraper machinehole Type "S2" as above but up to 2.5 m. depth	0.00	48103.00	No.	0.00
	2. Extra depth beyond 2.5 m and up to 9.0 m depth for type "S2" scraper machinehole above		20370.00	Rmt.	
11	ITEM NO.11				
	Providing & construction brick work using Fly Ash bricks having crushing strength not less than 35 Kg./sq.cm. in foundation & plinth in C.M. 1:6 (1cement:6 sand) etc. comp. Foundation and plinth.	10.00	4237.00	C.M.	42370.00
12	ITEM NO.12				
	Providing 15 mm thick plaster in C.M. 1:3 in single coat for plastering for all heights for brick masonry surface and all RCC surface and finished even and smooth with floating coat of neat cement slurry as directed by Engineer in charge.	100.00	237.51	S.M.	23751.00
13	ITEM NO.13				
	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand:3 graded stone agg. 20 mm nominal size) & curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete.	5.00	5292.00	C.M.	26460.00
14	ITEM NO.14				
	Raising & Lowering Eixsiting Machine holes (with frames) of drainage, storm drainage, sewer trap chamber, scraper machine hole frame & cover any utility services up to newly carpeted/recarpeted road surface including both of plain cement concrete ordinary grade 1:1.5:3.(1 Part of cement : 1.5 Part of sand : 3 part of course aggregate) The inside & outside surface of chamber shall be plastered in cement mortar 1:3 (1 part of Cement and 3 part of sand) include lobour required to carry out the work. and cleaning the bitumen on the top surface & removing road material from machine hole etc. complete.	20.00	583.55	No.	11671.00
15	ITEM NO.15				
	Making connection with the machinehole by boring hole on the masonry of machinehole and jointing pipe with cement mortar in prop. 1:2 inside as well as outside of existing machinehole carting etc. complete as directed by Engineer-in-charge. for Drainage line.	20.00	267.86	No.	5357.20
16	ITEM NO.16				
	Making connection with the machinehole				
	For Storm Drainage				
	1) up to 900 mm	1.00	1100.00	No.	1100.00
	2) 900 mm to 1600 mm	1.00	1900.00	No.	1900.00
	3) more than 1600 mm	0.00	2700.00	No.	0.00
17	ITEM NO.17				
	Dewatering by pumping set of required capacity including temporary platform carting pumping at site and fixing the same in position including all accessories, and fuel and labour etc. complete.				
	Pump set of Capacity	500.00	18.32	HP/Hr	9160.00
18	ITEM NO.18				
	Providing R.C.C. precast machinehole frame with cover as per type design for circular machinehole and scraper machinehole etc. complete.				
	(A) For House Connection Chamber light duty	5.00	1733.00	No.	8665.00
	(B) For Circular machinehole (Heavy Duty)	50.00	2294.00	No.	114700.00
	(C) For Scraper machinehole.	2.00	7289.00	No.	14578.00

19	ITEM NO.19				
	Providing and filling Rubble including hand packing and filling interstices with quarry spalls behind abutment and between returns as directed.	0.00	1064.80	C.M.	0.00
20	ITEM NO.20				
	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	1000.00	25.30	C.M.	25300.00
21	ITEM NO.21				
	Work of Temporary diversion of sewage by plugging the manholes at upstream and downstream of the sewer stretches proposed to be replaced. The rubber plug required for the plugging the drainage line shall be procured by the contractor and the same shall be the property of contractor.				
	150mm-400mm sewer line	5.00	20089.29	Nos.	100446.45
	450mm-600mm sewer line	3.00	20982.14	Nos.	62946.42
	700mm-1200mm sewer line	0.00	23660.71	Nos.	0.00
22	ITEM NO.22				
	Providing & construction simple chamber of 23 cm. th' B.B. Masonary in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix (1 cement: 2 Sand : 4 Grade stone aggregate 20mm size), Foundation concrete 1:5:10 & fixing Precast RCC heavy duty Cover with frame On top etc. comp. Inside dimension, 455 x 610 mm &450 mm deep for single pipe.	5.00	2681.76	No.	13408.80
	Extra for every additional depth of 0.1 mt beyoung 0.45 mt		242.39	Each	
23	ITEM NO.23				
	Providing and supplying in standard length ISI mark rigid unplasticized 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. 6 kg/cm2 Lowering, laying, fixing and jointing PVC/uPVC/CPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of labour, material, cement solvent, giving satisfactory hydraulic testing as per ISI code.				
	(A) 75 mm dia	20.00	113.25	Rmt.	2265.00
	(B)110 mm dia	30.00	220.85	Rmt.	6625.50
	(C)140 mm dia	0.00	352.45	Rmt.	0.00
	(D) 200 mm dia	0.00	707.55	Rmt.	0.00
24	ITEM NO.24				
	Providing & laying in trenches galvanised mild steel tubes(medium grade) TATA / ZENITH / ASIAN /JINDAL MAKE of the following nominal bore & tube fittings etc. comp..-				
	(A) 25 mm dia	10.00	282.18	Rmt.	2821.80
	(B) 40 mm dia	5.00	425.33	Rmt.	2126.65
	(C) 65 mm dia	0.00	723.83	Rmt.	0.00
25	ITEM NO.25				
	Providing, Laying and jointing on true line and level UPVC pipe (SCH40) line of ince/Supreme/Jain/Astral/ Tulsi/Finolex make including fittings make or equivalent as approved by engineer-in-charge. Pipe shall be fixed on the wall the help of clamp at every two meter 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.				
	(A) 15 mm. dia.	50.00	72.65	Rmt.	3632.50
	(B) 25 mm. dia.	50.00	91.84	Rmt.	4592.00
	(C) 40 mm. dia.	10.00	148.12	Rmt.	1481.20
	(D) 50 mm. dia.	0.00	195.67	Rmt.	0.00

26	ITEM NO.26				
	Carting and Recarting of excavated earth from any site to required place as per requirement and directed by engineer in charge.				
	(A) Up to 0.50 K.M.	10.00	39.69	C.M.	396.90
	(B) 0.50 K.M. TO 1.00 K.M.	20.00	47.10	C.M.	942.00
	(C) 1.00 K.M. TO 1.50 K.M.	40.00	54.36	C.M.	2174.40
	(D) 1.50 K.M. TO 2.00 K.M.	30.00	61.30	C.M.	1839.00
	(E) 2.00 K.M. TO 2.50 K.M.	0.00	68.34	C.M.	0.00
	(F) 2.50 K.M. TO 3.00 K.M.	0.00	75.23	C.M.	0.00
	(G) 3.0 K.M. TO 3.50 K.M.	0.00	81.98	C.M.	0.00
	(H) 3.50 K.M. TO 4.00 K.M.	0.00	88.60	C.M.	0.00
	(H) 4.00 K.M. TO 4.50 K.M.	0.00	95.08	C.M.	0.00
	(H) 4.50 K.M. TO 5.00 K.M.	0.00	101.44	C.M.	0.00
	(H) Above 5.00 K.M. & Up to 10.00 K.M.	0.00	110.80	C.M.	0.00
27	ITEM NO.27				
	Providing interlocking type Rubber moulded cement concrete paver block of approved shape, design & colour having 60mm thickness (M-35) purchased from SMC's approved paver block manufacturer only & fixing of fine sand bedding. Item includes levelling by using vibratory plates compacted machine. Item also includes all materials, labour, equipments, tools, plants, watering, cleaning etc. complete. (Without colour).	20.00	524.00	S.M.	10480.00
28	ITEM NO.28				
	Removing & Refixing interlocking type cement concrete paver block (Rubber moulded) of approved shape, design & colour fixing on fine sand bedding. Item includes levelling by using vibratory plates compacted machine. Item also includes all materials, labour, equipments, tools, plants, watering, cleaning etc. complete. (M.R)	50.00	102.00	S.M.	5100.00
29	ITEM NO.29				
	Provision of Traffic cones for limited period at suitable locations as per requirement during the construction in construction zone comprising of warning zone, approach transition zone, working zone and terminal transition zone Etc.	10.00	501.00	NOS.	5010.00
30	ITEM NO.30				
	Providing & Constructing manhole - machinehole as per type & design with necessary excavation, p.c.c. in 1:4:8, benching in 1:2:4, brick masonry in C.M. 1:4, 12 mm th. inside plaster in C.M. 1:3, Prov. & fixing r.c.c. mh. frame & cover in c.c. 1:2:4, & 150 mm th.R.C.C. slab in 1:1.5:3 including Prov. fixing polypropelene Steps etc.comp.				
	"A" TYPE manhole -machinehole Sewer size : up to 600 mm dia. , Chamber Size : 1200 mm x 1000 mm Shallow manhole -machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	2.00	23690.00	NOS.	47380.00
	Add. or ded. per every 10 cm increase or decrease in depth		653.00		
	"B1" TYPE manhole -machinehole Sewer size : up to 1000 mm dia. , Chamber Size : 1500 mm x 1000 mm Shallow manhole-machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	2.00	35974.00	NOS.	71948.00
	Add. or ded. per every 10 cm increase or decrease in depth		1115.00		
	"B2" TYPE manhole -machinehole Sewer size : up to 1000 mm dia., Chamber Size : 1500 mm x 1000 mm Deep manhole -machinehole with access shaft depth 2.5 mt to 4.0 mt Access Shaft Size : 850 mm x 850 mm Rate For 4.0 mt Depth	0.00	45914.00	NOS.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth		644.00		

"B3" TYPE manhole -machinehole Sewer size : up to 1000 mm dia., Chamber Size : 1500 mm x 1000 mm Deep manhole -machinehole with access shaft depth 4.0 mt to 6.0 mt Access Shaft Size : 850 mm x 850 mm Rate For 6.0 mt Depth	0.00	77690.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		964.00		
"C1" TYPE manhole -machinehole Sewer size : 1100mm to 1400 mm dia. , Chamber Size : 1800 mm x 1000 mm Shallow manhole -machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	40173.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		1228.00		
"C2" TYPE manhole -machinehole Sewer size : 1100mm to 1400 mm dia., Chamber Size : 2400 mm x 1000 mm Deep manhole -machinehole with access shaft depth 2.5 mt to 4.0 mt Access Shaft Size : 850 mm x 850 mm Rate For 4.0 mt Depth	0.00	63202.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		644.00		
"C3" TYPE manhole -machinehole Sewer size : 1100 mm to 1400 mm dia. , Chamber Size : 2400 mm x 1200 mm Deep manhole -machinehole with access shaft depth 4.0 mt to 6.0 mt. Access Shaft Size : 850 mm x 850 mm Rate For 6.0 mt Depth	0.00	97792.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		964.00		
"D1" TYPE manhole Sewer size : 1600 mm to 1800 mm dia. , Chamber Size : 2200 mm x 1000 mm Shallow manhole -machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	42801.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		1369.00		
"D2" TYPE manhole -machinehole Sewer size : 1600 mm to 1800 mm dia., Chamber Size : 2400 mm x 1200 mm Deep manhole -machinehole with access shaft depth 2.5 mt to 4.0 mt Access Shaft Size : 850 mm x 850 mm Rate For 4.0 mt Depth	0.00	61679.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		644.00		
"D3" TYPE manhole -machinehole Sewer size : 1600 mm to 1800 mm dia. , Chamber Size : 2400 mm x 1200 mm Deep manhole -machinehole with access shaft depth 4.0 mt to 6.0 mt. Access Shaft Size : 850 mm x 850 mm Rate For 6.0 mt Depth	0.00	97505.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		964.00		
"E" TYPE manhole -machinehole Sewer size : 2000 mm to 2200 mm dia., Chamber Size : 3000 mm x 1500 mm Deep manhole -machinehole with access shaft depth 4.5 mt to 6.0 mt. Access Shaft Size : 850 mm x 850 mm Rate For 6.0 mt Depth	0.00	141200.00	NOS.	0.00
Add. or ded. per every 10 cm increase or decrease in depth		964.00		

31	ITEM NO.31				
	Repairing of Sewer/Storm drainage machinehole shaft size (850mm x 850mm) on existing Sewer/Storm drainage lines including excavation up to 0.75 mt. depth, Dismantling of damaged machinehole up to required depth(i.e frame cover, coping, brick masonry etc.) and reconstruction of the same up to 0.75 mt. depth in Brick Masonry 23 cm thick in C:M 1:4, Plaster 15 mm thick C:M 1:3 inside and out side, Coping in C:C 1:2:4 and conveying, carting & fixing of C.I/R.C.C machinehole frame cover (to be issued from any of the Municipal Store), Refilling , Curing of repaired machinehole work shall be carried up to 10 days from the repairing an arrangement for to be done by contractor for protection of repaired work against traffic etc. complete. (Add / Deduct Rs. 342/- per 0.10mt. Depth Increase or Decrease.)	2.00	3857.00	NOS.	7714.00
32	ITEM NO.32				
	Repairing of Sewer/Storm drainage machinehole shaft size 1200mm x 1200mm) on existing Sewer/Storm drainage lines including excavation up to 0.75 mt. depth, Dismantling of damaged machinehole up to required depth(i.e frame cover,coping,brick masonry etc.)and reconstruction of the same up to 0.75 mt. depth in Brick Masonry 23 cm thick in C:M 1:4,Plaster 15 mm thick C:M 1:3 inside and out side , Coping in C:C 1:2:4 and conveying, carting & fixing of C.I/R.C.C machinehole frame cover(to be issued from any of the Municipal Store), Refilling , Curing of repaired machinehole work shall be carried up to 10 days from the repairing an arrangement for to be done by contractor for protection of repaired work against traffic etc. complete. Add / Deduct Rs. 428.80/- per 0.10mt. Depth Increase or Decrease.	1.00	4981.00	NOS.	4981.00
33	ITEM NO.33				
	Providing constructing brick masonry INLET CHAMBER OF 750*600*1500 mm internal dimension with necessary excavation refilling 350 mm th Br. masonry in C.M 1:4,150 mm th. p.c.c. & benching in c.c. 1:2:4,12mm th. plaster in C.M. 1:3 for inside & cement pointing in C.M. 1:3 for o/s, prov. & fixing precast RCC frame & cover of M30 grade as per drawing & specification.- Rate For 1.5 mt Depth	25.00	13548.00	Nos.	338700.00
	Add. or ded. per every 10 cm increase or decrease in depth		701.00		
34	ITEM NO.34				
	Repairing of strom drainage Inlet chamber size (600mmx750mm) on existing strom drainage lines including excavation up to 0.75 mt. depth,Dismantailing of damaged inlet chember up to required depth (i.e. frame cover, coping, brick masonry ect) and reconstruction of the same up to 0.75 mt. depth in brick masonry 35 cm thick in C:M: 1:4, Plaster 12mm thick C:M inside, coping in C:C 1:2:4 and conveying, carting & fixing of C.I/R.C.C. Precast inlet frame cover (to be issued from any of the Municipal Store) Refilling, curing of repaired inlet Chamber work shall be carried up to 10 days from the repairing an arrangement for to be done by contractor for protection of repaired work against traffic ect. complete. (Add / Deduct Rs. 552/- per 0.10mt. Depth Increase or Decrease.)	20.00	5773.00	No	115460.00
35	ITEM NO.35				
	Providing and Fixing RCC precast inlet chamber cover of M-30 Grade as per drawing and specification.				
A	Size-750 mm x 600 mm	20.00	1567.00	No	31340.00
B	Size-600 mm x 450 mm	5.00	692.00	No	3460.00

36	ITEM NO.36				
	Providing and Fixing RCC precast inlet chamber frame of M-30 Grade as per drawing and specification.				
A	Size-750 mm x 600 mm	20.00	1268.00	No	25360.00
B	Size-600 mm x 450 mm	5.00	647.00	No	3235.00
		TOTAL AMOUNT		Rs.	99,75,158.12

Asst. Engineer
New East (Sarthana) Zone
S.M.C.

Deputy Engineer
New East (Sarthana) Zone
S.M.C.

Executive Engineer
New East (Sarthana) Zone
S.M.C.