

AHMEDABAD MUNICIPAL CORPORATION					
ENGINEERING DEPARTMENT					
ABSTRACT SHEET					
Name of Work :Breakdown work on drainage lines and storm water lines at various places in urban and rural areas in Sarkhej ward of South West Zone					
Sr. No.	QTY	Item Description	Rate in Rs.	Per	Amount
1		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 sorts of soil and soft murrum. (SOR GWSSB-2022-23 section 1&2 B labour item no 1.A.1)			
a	300.00	(a) up to 1.50 meter depth. (item no 1.A.1)	89.00	Cu.M	26700.00
b	200.00	(a)1.50 to 3.00 meter depth. (item no 1.A.2)	98.00	Cu.M	19600.00
c	150.00	(a)3.00 to 4.50 meter depth. (item no 1.A.3)	103.00	Cu.M	15450.00
d	10.00	(a)4.50 to 6.00 meter depth. (item no 1.A.4)	109.00	Cu.M	1090.00
2	0.00	Extra rate over item of excavation of earth for excavation of asphalt pavement / RCC of thickness up to 0.20 meter including demolishing the asphalt carpet, metal, soiling/cutting Reinforcement etc.comp. with stacking the material as directed.			0.00
a	20.00	up to 0.20 meter thickness (By Manual)	71.10	Smt	1422.00
b	50.00	Up to 0.30 meter (By any type of Breaker Machine or R.C.C.Cutter machine including cost of operator, fuel, & transportation etc complete.	177.76	Smt	8888.00
c	30.00	0.30 meter & above (By any type of Breaker Machine or R.C.C.Cutter machine including cost of operator, fuel, & transportation etc complete.	311.08	Smt	9332.40
3	300.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm.in depth consolidation each deposited layer by ramming and watering.	22.00	Cu.M	6600.00
4		Conveyance charge of earth, lime, murrum, building rubbish, manure, garbage, sludge, excavated rock, fly ash, aggregates of any kind executed outside the road site. Rate also includes spreading & levelling etc complete. Internal conveyance above 50 mt done within the work site is not payable.			0.00
	5.00	a) Lead up to 1 Km.	23.38	Cu.M	116.90
	10.00	b) Lead From 1Km to 2 Km.	30.94	Cu.M	309.40
	27.36	c) Lead From 2 Km to 3 Km.	38.37	Cu.M	1049.78
	5.00	d) Lead From 3 Km to 4 Km.	45.52	Cu.M	227.60
	200.00	e) Lead From 4 Km to 5 Km.	52.42	Cu.M	10484.00
	150.00	f) Lead From 5 Km to 10 Km.	78.54	Cu.M	11781.00
	20.00	g) Lead From 10 Km to 15 Km.	104.65	Cu.M	2093.00
	0.00	Stoneware Pipe			0.00

5	0.00	Providing and supplying ISI marked only standard length stoneware pipes in standard length of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to depart mental stores, stacking etc. compl. (IS 651/1989 or its latest revision) (SOR GWSSB-2022-23 section 1&2 A material item no 11)			0.00
	0.00	Class AA (item no 11.2)			0.00
a	10.00	100 mm dia (item no 11.2.1)	124.00	Rmt	1240.00
b	20.00	150 mm dia (item no 11.2.2)	179.00	Rmt	3580.00
c	50.00	230 mm dia (item no 11.2.4)	329.00	Rmt	16450.00
d	10.00	300 mm dia (item no 11.2.6)	581.00	Rmt	5810.00
	0.00	L,L & J of Stone Ware Pipes			0.00
5.1	0.00	lowering, laying and jointing, Stone Ware Pipes of following diameters with cement mortar (1:1) proportion, proper position, grade and alignment and all level as directed by engineer in charge Including conveyance from stores to site of work jointing material etc. comp. (SOR GWSSB-2022-23 section 1&2 B labour item no 12)			0.00
	0.00	Pipe dia in mm			0.00
a	10.00	100 mm dia (item no 12.2)	58.00	Rmt	580.00
b	20.00	150 mm dia (item no 12.3)	88.00	Rmt	1760.00
c	50.00	230 mm dia (item no 12.5)	128.00	Rmt	6400.00
d	10.00	300 mm dia (item no 12.7)	159.00	Rmt	1590.00
	0.00	R.C.C. PIPE (Horizontal Cast)			0.00
6	0.00	Providing and supplying ISI Standard R.C.C. pipes(of Sulphate Resisting Cement) in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints including all taxes, insurance, transportation. freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc.			0.00
	0.00	Note: One collar should be supplied with each full length plain ended RCC pipe, cost included in rates below. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.			0.00
	0.00	Class NP-3, test pressure 0.7/kg/sqcm (item no 10.1.D)			0.00
a	350.00	300 mm internal diameter	755.00	Rmt	264250.00
b	80.00	450 mm internal diameter	1361.00	Rmt	108880.00
c	50.00	600 mm dia	1946.00	Rmt	97300.00
d	15.00	900 mm dia	3601.00	Rmt	54015.00
e	2.50	1200 mm dia	5899.00	Rmt	14747.50
f	2.50	1600 mm dia	11167.00	Rmt	27917.50
	0.00	L,L & J of R.C.C. Pipes			0.00
6.1	0.00	lowering, laying and jointing, RCC pipes in CM 1:1 1/2 of following diameters in proper position, grade and alignment at all as directed by engineer in charge. Including conveyance from stores to site of work , labour, giving hudraulic testing as per ISI codes. (SOR GWSSB-2022-23 section 1&2 B labour item no 11)			0.00
	0.00	Class NP2,NP-3,NP4			0.00

a	350.00	300 mm internal diameter	119.00	Rmt	41650.00
b	80.00	450 mm internal diameter	171.00	Rmt	13680.00
c	50.00	600 mm dia	228.00	Rmt	11400.00
d	15.00	900 mm dia	340.00	Rmt	5100.00
e	2.50	1200 mm dia	440.00	Rmt	1100.00
f	2.50	1600 mm dia	577.00	Rmt	1442.50
7	0.00	Constructing Chamber of following size including excavation, refilling, BBCC (1:5:10) for foundation, C.C.Channel (1:2:4), finished 15 mm thick cement plaster inside in CM 1:3, finishing with cement slurry, Brick masonry in CM 1:5 & excluding the cost of chamber seat cover etc.completed.			0.00
a	3.00	0.60 X 0.45 mt. size Inside Clear, Depth from 0.0 to 0.90 meter	2261.61	No.	6784.83
b	3.00	0.60 X 0.75 mt. size Inside Clear, Depth from 0.0 to 0.90 meter.	2874.11	No.	8622.33
c	3.00	0.75 X 0.75 mt. size (Inside Clear) Depth from 0.0 to 1.20 meter.	3905.36	No.	11716.08
8		Constructing Slab Type M.H. Chamber Of The Following Size Including Excavation, Refilling, Brick Bats Cement Concrete (1:5:10) of thickness 15 C.M., CC Channel (1:2:4) of thickness 10 C.M., finished 15 mm thick cement plaster inside & outside (Only for shaft) In Cm 1:3, Finishing With Cement Slurry, P/F 4 Mm Dia M.S.Steel Hdpe Coated Steps 35 Cm C/C At 35 Cm Staggered Masonary In Cm 1:5, Rec Slab In Cc1:1.5:3 of thickness 15 C.M.,Including Cantering & Reinforcement (Single jalli at 15 C.M. c/c bothway 10 mm dia.)But Excluding The Cost Of Manhole Seat Cover Etc..Completed Of Size 0.75 X 1.00 Meter (Inside Clear, M.H. length should be parallel to the flow)			0.00
a	18.00	1.00 to 2.00 meter depth, (Slab at Ground level)	5651.79	No.	101732.22
b	35.00	2.00 to 3.00 meter depth, (Slab at below 0.60 mt. From G.L.)	11395.54	No.	398843.90
9	8.00	Rate reduction over item of Constructing Slab Type M.H. Chamber of size 1.00 x 0.75 mt for constructing slab @ depth more than 0.60 mt below Ground Level (Max. 3 unit of DM should be reduced in this item)	460.71	DM	3685.68
10	0.00	Constructing Slab type M.H. Chamber of the following size including excavation, refilling, brick bats cement concrete (1:5:10) of thickness 15 C.M., CC Channel (1:2:4) of thickness 10 C.M., finished 15 mm thick cement plaster inside & outside (Only for shaft) in CM 1:3, finishing with cement slurry, P/F 4 mm dia M.S.Steel HDPE coated steps 35 cm c/c at 35 cm staggered in masonry CM 1:5, RCC Slab in CC 1:1.5:3 of thickness 23 C.M., including Cantering & reinforcement (double jalli at 15 C.M. c/c bothway 12 mm dia.) but excluding the cost of Manhole seat cover etc..completed. of Size 1.00 X 1.40 meter (Inside Clear, M.H. length should be parallel to the flow.			0.00
a	30.00	1.00 to 2.00 meter depth, (Slab at Ground level)	10177.68	No.	305330.40

b	10.00	2.00 to 3.00 meter depth, (Slab at below 0.6 mt. From G.L.)	19258.04	No.	192580.40
c	5.00	3.00 to 4.00 meter depth, (Slab at below 1.00 mt. From G.L.)	26867.86	No.	134339.30
11	25.00	Rate reduction over item of Constructing Slab Type M.H. Chamber of size 1.00 x 1.40 mt for constructing slab @ depth more than 0.60 mt for (MH 2 to 3 mt depth) and 1.0 mt for (MH above 3.0 mt depth) below Ground Level (Max. 5 unit of DM should be reduced in this item)	586.61	DM	14665.25
12	6.00	Providing and fixing S.W. Gully Trap with C.I. Grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. (i) Square mouth traps. (A) 100mm x 100mm size P type. (SOR 2021-22 Item no-24.19 page no-218)	1127.81	No.	6766.86
13	0.00	Making connection to the ex.M.H.in running sewer incl. Dewatering and other required machinery etc. of following dia pipes at any convenient time. All damaged work shall be well repaired as per instructions. etc..complete.			0.00
	20.00	a. 150 mm to 300 mm dia.	1339.29	No.	26785.80
14	0.00	Cutting the pipes of following dia coming in the new M.H.in running sewer including cutting bars, including removing debris /silt from the M.H. and carting at a suitable distance etc..complete as directed. No payment for M.H. work will be made until pipe is not cut completely in all respect.			0.00
a	20.00	150 mm to 300 mm dia.	1133.93	No.	22678.60
b	10.00	400 mm to 600 mm dia.	1687.50	No.	16875.00
15	0.00	Repairing damaged M.H. and raising M.H. up to road level incl. removing damaged brick work and repairing by brick masonry in C.M. 1:5 and plaster in C.M. 1:3 and fixing C.I. steps and existing MH sheet cover, removing the debris from MH and carting the same as directed.			0.00
a	150.00	(A) up to 0.15 mt. (@ Two Coarse)	728.82	No.	109323.00
b	100.00	(B) up to 0.35mt. (@ Four Coarse)	1155.44	No.	115544.00
c	50.00	(C) up to 0.65 mt. (@ Seven Coarse)	1786.49	No.	89324.50
d	20.00	(D) up to 0.90 mt. (@ Ten Coarse)	2150.90	No.	43018.00
16	25.00	Repairing damaged I.C./ Raising removing damaged brick work and repairing by brick masonry in C.M. 1:5 and plaster in C.M. 1:3 and fixing C.I. steps and existing chamber sheet cover, removing the debris from chamber and carting the same as directed.	399.96	No.	9999.00
17	0.00	Providing F.R.C. MH seat cover incl. carting to the work site etc. comp. Directed.			0.00
a	25.00	(SET cover and frame) F.R.C. Extra Heavy Duty [EHD-35] Machinehole Covers & Frame- 560mm ø clear opening, The dimension of frame and cover as per mentioned in Amend No.1 to IS 12592 : 2002 table 1 (As Per Central stores circular No. 01 /2025-26 Dt.21.04.2025) (inclusive all Taxe)	7275.00	SET	181875.00

b	25.00	(SET cover and frame) F.R.C. Heavy Duty [HD-20] Machinehole Covers & Frames- 560mm ø clear opening, The dimension of frame and cover as per mentioned in Amend No.1 to IS 12592 : 2002 table 1(As Per Central stores circular No. 01 /2025-26 Dt.21.04.2025) (inclusive all Taxe)	6950.00	SET	173750.00
C	10.00	(SET cover and frame) F.R.C. Medium Duty [MD-10] Machinehole Covers & Frames- 560mm ø clear opening, The dimension of frame and cover as per mentioned in Amend No.1 to IS 12592 : 2002 table 1 (SET cover and frame) (As Per Central stores circular No. 01 /2025-26 Dt.21.04.2025) (inclusive all Taxe)	4750.00	SET	47500.00
d	10.00	(SET cover and frame) F.R.C. Medium Duty [MD-10] Chamber Covers & Frame- 600 x 450 mm clear opening, The dimension of frame and cover as per mentioned in Amend No.1 to IS 12592 : 2002 table 1(As Per Central stores circular No. 01 /2025-26 Dt.21.04.2025) (inclusive all Taxe)	4750.00	SET	47500.00
e	5.00	(SET cover and frame) F.R.C. Light Duty [LD-2.5] Machinehole Covers & Frames 560mm ø clear opening, The dimension of frame and cover as per mentioned in Amend No.1 to IS 12592 : 2002 table 1 (As Per Central stores circular No. 01 /2025-26 Dt.21.04.2025) (inclusive all Taxe)	3600.00	SET	18000.00
18	21.00	Carting and Fixing M.H., Chamber or Catchpits Seat and Cover in line and level to match existing road level in C.C. 1:2:4 and finishing smooth, watering and protecting for 7 days etc. complete as directed. M.H. seat cover will be supplied by A.M.C.(from any store)	750.00	No.	15750.00
19	0.00	Providing Kachha of Pakka Dummy in the following dia pipes and removing the same after completion of the connection work as directed.			0.00
a	20.00	(A) 100 mm to 300 mm dia.	199.11	No.	3982.20
b	15.00	(B) 350 mm to 600 mm dia	302.68	No.	4540.20
20	0.00	Supplying, labour for break down repairing work for activities like excavation, disliting, removing debris from trench back filling etc. comp. as directed by Eng.in charge.			0.00
a	600.00	Mazdoor at day /Night	363.30	No	217980.00
b	30.00	Fitter at day / Night	380.30	No	11409.00
c	100.00	Makadam/ supervision at day / Night	379.46	No	37946.00
21	1250.00	Barricading the entire break down or excavated area on rental basis using wooden ballies / M.S.angles at max. 2.00 meter centre to centre, C.G.I. Sheet, reflective paint / Board out side to avoid accident & for smooth traffic diversion & movement including cautionary board etc. Item also includes for making temporary sufficient nos of lighting arrangement through out the work with necessary required arrangement. The same shall be removed after completion of work. (Only for break down work from start to complete)	79.99	Rmt.	99987.50
		Machinery			0.00

22	55.00	Hiring and operating the 20 KV 3 Phase Electric Generator for operating desilting machinery, and lighting and other requirements with Arranging diesel to run the D.G. Set Do As Directed. 8 Hrs Shift. (No payment should be allowed for non working condition of machinery)	2800.00	Shift	154000.00
23	240.00	Hiring Charges For J.C.B.Machine Including Cost Of Fuel, Operator, Dirver Etc..	535.71	Hour	128570.40
24	49.00	Providing & Supplying Hitachi Machine-110 capacity on rental basis in case of emergency situation and break down type work & also during unavoidable condition as per instruction of engg.incharge , rate includes all nece. shifting, fuel and operating charges . (No payment should be allowed for non working condition of machinery)	2000.00	hr	98000.00
25	40.00	Providing & Supplying Hitachi Machine-200 capacity on rental basis in case of emergency situation and break down type work & also during unavoidable condition as per instruction of engg.incharge , rate includes all nece. shifting, fuel and operating charges . (No payment should be allowed for non working condition of machinery)	2700.00	hr	108000.00
26	50.00	Providing & Supplying hydra carne Machine of 12 tone capacity on rental basis in case of emergency situation and break down type work & also during unavoidable condition as per instruction of engg.incharge , rate includes all nece. shifting, fuel and operating charges . (No payment should be allowed for non working condition of machinery)	5500.00	Per 8 hr Shift	275000.00
27	30.00	Hiring of Tractor with trolley considering 8 Hrs. As working Day hours inclu. Driver (GWSSB SOR-2022-23 Section-2E-Miscellenous Item No.7)	2104.09	Shift	63122.70
28	30.00	Supplying Electric Breaker Machine for RCC Slab or Asphalt Demolishing Work on site by using Operator, fuel, power Supply etc. Complete as Directed. (No payment should be allowed for non working condition of machinery and for pipe line excavation and M.H. work. Allowed only for break down work)	1200.00	Shift	36000.00
29	55.00	Providing and operation dewatering Pump including fuel charges & operator Charges etc. as directed etc. comp. (Shift for Eight Hour) (For Each Pump Set, No payment should be allowed for non working condition of machinery)	528.00	Shift	29040.00

30	200.00	Hiring and operating Mud Pumps incl. Cost of fuel and operator including the cost of to and fro transportation, laying of the delivery hoses as required, lowering and lifting the pumps as and when required etc. complete. Set Do As Directed. (No payment should be allowed for non working condition of machinery)	16.00	H.P/Hr	3200.00
31	120.00	Supplying Pneumatic Breaker Machine for RCC Slab or Asphalt Demolishing Work on site by using Operator, fuel, power Supply etc. Complete as Directed. (No payment should be allowed for non working condition of machinery and for pipe line excavation and M.H. work. Allowed only for break down work)	528.00	HR.	63360.00
	0.00				0.00
	0.00	SWD Work			0.00
32	30.00	Constructing Bombay Pattern Type Catch Pit of size 0.60 x 0.60 depth up to 1 mt including excavation, B.B.C.C. (1:5:10), 23 cms thick brick maso. wall in the prop. of CM (1:6) with 40 mm thick IPS flooring in the prop M15 at bottom and 15 mm thick cement plaster inside the catch pit in the proportion of CM (1:3) with out jali etc. comp. as directed.	3110.80	No	93324.00
33	30.00	F.R.C. Strom Water Grating Set : Grating(Jali): 620 x 620 x 75 mm square jali, 20:00 MT load design, 75x1.2mm MS flat allround,Frame: 500 x 500mm clear opening, outer size- 770 x 770 x 135 mm. On the upper periphery of frame 25x1.5mm wide MS fl7at should be well embed in concrete to protect the edges of frame. (As Per Central stores circular No. 42 /2023-24 Dt.12.9.2024)	5587.00	Set	167610.00
	0.00	Demolition Work			0.00
34	60.00	Dismantling tiled or stone floors laid in mortar including stacking of serviceable material and disposal of uservicalble material with all lead and lifts.(AMC SOR)	27.44	Smt	1646.40
35	100.00	Demolition & disposal of unservisable material with all lead and lift for unreinforced concrete. (AMC sor)	348.10	Cmt	34810.00
36	25.00	Demolition of brick work & stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift (1) In cement mortar. (AMC SOR)	314.50	Cmt	7862.50
37	25.00	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (I) R.C.C work.	604.74	Cmt	15118.50
	0.00	Reinstatement Work			0.00

38	10.00	Providing and Laying of Rubber Moulded Paver Block Grey/Coloured 60 mm thick, M-35 Grade of any size ; shape (Usually Uni-Paver Blocks) using black trap good quality aggregate of 20 mm nominal size for footpath, parking areas, service lanes and other areas as mentioned in the drawing / instruction of engineer in charge. Cost includes formworks using rubber mould, Rate providing and laying paver blocks as per required grading and specification. The paver block shall be mechanically compacted. The work of paving blocks shall be executed in line and level by skill mason of flooring work only. It should be laid in such a way that the no cutting of the paver block to be necessary. if cutting of paver block necessary then it should be cut by machine only and carting. The finished surface of the paver block shall have resonably good, plain finished. Paver blocks shall be compacted and shall be relaid if necessary. Gravel or such type of materials shall not be allowed for production. Laying on 5cms thick sand beddddng.(AMC approved Rate)	501.60	Smt	5016.00
39	15.00	Providing and laying Cement Concrete 1:3:6 (1-Cement : 3-Coarse sand :6-Hand broken stone aggregates 40mm nominal size) and curing complete. (As Per Road Tender)	2339.59	CMT	35093.85
40	20.00	Providing TMT Bar FE500 D reinforcement for R.C.C. Work including bending, binding and placing in position complete upto floor two level. (As Per Road Tender)	63.10	Kg	1262.00
41	25.00	Providing and laying cement concrete 1:5:10 (1- Cement : 5- fine sand : 10- graded brick bat aggregates 40mm nominal size) and curing complete. (As Per Road Tender)	1901.59	Cmt.	47539.75
42	10.00	Labour work for fixing Interlocking Blocks / any kind of pavement on up to 50 mm thick sand bedding, levelling, watering and fixing in line & level as well cleaning the site etc.comp. as directed.	68.64	Smt.	686.40
43	74.50	Providing and laying in position Ready Mixed M-200 grade concrete for reinforced cement conctere work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding	3980.17	CMT	296522.67
44	80.00	Providing Formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A)Foundations Footings Bases of Columns etc. and Mass concrete. (Item Code : 09001AA, SOR	99.79	SMT	7983.20

45	35.00	P/A Tremix with dewartering machine and floater machine on constructed CC work for finishing the surface as per requirement. The rate including all machinaries, labor, loading, unloading, transportaion etc complete as per direction given by engineer in charge.	54.00	SMT	1890.00
46	40.00	Making 15 mm. Groove in RCC work on road & filling it with polysulfied selant & finished ot good incl. all labour charges etc. comp.as directed.	30.00	Rmt	1200.00
			Total	Rs.	49,48,730.00