

SURAT MUNICIPAL CORPORATION

SOUTH ZONE-A (Udhana)

TENDER NOTICE NO.DMC/SZ-A/01/2026-27

VOLUME II - PRICE BID

Name of Work:- Construction of 18.23 mt T.P CC Road from F.P.No.29/C to F.P.No.41 in T.P.No.58 (Bamroli) in South Zone-A (Udhana)(3RD Attempt)

Uploading of tender documents	12/05/2026
Last date of Document downloading	02/06/2026 UP TO 18.00 Hrs.
Last date of Online bid submission	02/06/2026 UP TO 18.00 Hrs.
Online query	Bidder shall have to post there queries on E mail address exen.sza@suratmunicipal.gov.in on or before 20/05/2026 up to 17:00 Hrs.
Pre bid Meeting	NO PRE BID MEETING (Bidder shall have to post there queries on E mail address exen.sza@suratmunicipal.gov.in on or before 20/05/2026 up to 17:00 Hrs.)
Physical submission of EMD, Tender fee.	Up to 10/05/2026, 18.00 Hrs. at the office of "Chief Accountant, Surat Municipal Corporation, Muglisara, by Speed Post/RPAD only." In sealed cover duly super scribed with name of work and tender notice no.

SURAT MUNICIPAL CORPORATION**South Zone-A (Udhana)****TENDER FORM****F O R**

NAME OF WORK :- Construction of 18.23 mt T.P CC Road from F.P.No.29/C to F.P.No.41 in T.P.No.58 (Bamroli) in South Zone-A (Udhana)(3RD Attempt).

I/We the undersigned do hereby tender for carrying out the work described in the schedule below subject to the condition annexed.

Should this tender be accepted I/We hereby agree to abide by and to fulfill all the terms and provisions of specifications and conditions of contract annexed hereto so far as they are applicable and default thereof to forfeit and pay to the Municipal Corporation the sum of money mentioned in the said conditions.

The earnest money deposited by me/us with tender may be forfeited to the said Municipal Corporation if I/We do not deposit the full amount of security deposit, in accordance with the clause (1) of the said conditions of contract.

EXECUTIVE ENGINEER
SOUTH ZONE-A (UDHANA)
SURAT MUNICIPAL CORPORATION.

SIGNATURE OF THE TENDERER.
ADDRESS :-

Name of the Work:Construction of 18.23 mt T.P CC Road from F.P.No.29/C to F.P.No.41 in T.P.No.58 (Bamroli) in South Zone-A (Udhana)(3RD Attempt).

SUMMARY SHEET

SHORT DESCRIPTION	ESTIMATED COST (Rs.)
Part- (A) Cement Concrete Road	
Section- 1: SITE CLEARANCE	13,66,190.20
Section-2 : Milling Work	00.00
Section-3: Earthwork	5,70,595.03
Section-4: Earthwork In Filling	31,06,410.82
Section-5: Flexible Pavement	00.00
Section-6: Cement Concrete Pavement	1,56,69,184.21
Total Part- (A)	2,07,12,380.26
Part- (B) Drainage, Protective and Miscellaneous Works	
Section-7: Drainage and Protective Works	30,53,815.43
Section-8: Miscellaneous	4,42,257.50
Total Part- (B)	34,96,072.93
Total of Part- (A) and Part- (B)	2,42,08,453.19

SURAT MUNICIPAL CORPORATION

TENDER NOTICE NO.DMC/SZ-A/16/2025-26 (Work No.03)

Name of work: Construction of 18.23 mt T.P CC Road from F.P.No.29/C to F.P.No.41 in T.P.No.58 (Bamroli) in South Zone-A (Udhana)(3RD Attempt).

BIDDING DOCUMENTS FOR PERCENTAGE RATE CONTRACT BID DOCUMENT

CONTENTS**VOLUME-II**

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PREAMBLE**SURAT MUNICIPAL CORPORATION**

Construction of 18.23 mt T.P CC Road from F.P.No.29/C to F.P.No.41 in T.P.No.58 (Bamroli) in South Zone-A (Udhana)(3RD Attempt).

Part A**BILL OF QUANTITIES****PREAMBLE**

- 1) The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications and Drawings.
- 2) The quantities given in the Bill of Quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the contractor and verified by the Engineer.
- 3) The bidder must quote his rate above / below the estimated rate specified in the Bill of Quantities part for each item of work both in words and figures.
- 4) The rates and prices quoted in Bid in the priced Bill of Quantities, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract and including remedy of any defects during the Defects Liability Period.
- 5) All rates and sums of money quoted in the Bill of Quantities shall be in Indian Rupees (Rs) rounded to the nearest whole number.
- 6) The whole cost for complying with the provisions of the Contract shall be included in the items provided in the Bill of Quantities. Where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of work.
- 8) After adjusting the bid prices as stated above, final bid evaluation will be done as follows:
 - (a) Bidder needs to quote in percentage of rates (above /below as indicated in BOQ) for each part of BOQ. It is mandatory for further evaluation of bids & payment. Payment of items of each part of BOQ shall be made as per quoted percentage for each part of BOQ.
 - (b) Successful bidder will be decided based on overall percentage quoted above/below of Total estimated amount as indicated in Vol-II for the complete project.
- 9) General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. Reference to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
- 10) The method of measurement of completed work for payment shall be in accordance with the requirements as stated in the individual sections of the Technical Specifications.

- 11) Errors will be corrected by the Employer for any arithmetical errors pursuant to Clause 25 of the Instructions to Bidder.
- 12) The specification numbers stated in the detailed description of items of works against each item are indicated for guidance of the Bidders. However, any of the specification alluded to the specifications referred to in the Bill of Quantities and / or any other specifications from Vol.3 “Technical Specifications” which in the opinion of the Engineer are applicable for a particular item is deemed to have been included in the scope of item and fully covered by the rates quoted for the items. In case of any discrepancies between provisions stated in the description of individual items and those covered by the technical specifications, the provisions in the description of item shall have preference.
- 13) Rock is defined as all materials which in the opinion of the Engineer, require blasting or the use of metal wedges and sledge hammers or the use of compressed air drilling for its removal.
- 14) All concrete items above and including M-15 shall be controlled concrete only.
- 15) Grouping of items under subheads of different sections is done in Part B BOQ for the convenience. Any item from any section can be considered for operation in any other section as indicated as directed by the Engineer.
- 16) The units of measurement described in the Bill of Quantities are metric units.

Abbreviations used in the Bill of Quantities are as follows :

ABBREVIATIONS: FOR

Rs or RS	:	Indian Rupees
LS or L.S. or SUM	:	Lump Sum
nr. or No. or nos or Nos.	:	Number (s)
RM	:	Running metre
m/mtr	:	Metre
KM or km	:	Kilometre
hct./ha	:	Hectare
M ² or Sq.m or Sq.m	:	Square metre
M ³ or Cum or cu.m	:	Cubic metre
CC. or c ³ or cu.cm	:	Cubic centimeter
KG or kg or Kg	:	Kilogram
Mt or tonne or T or MT	:	Metric Tonne
HP	:	Horse Power
PS	:	Provisional Sum
IRC	:	Indian Roads Congress
MoRT&H Specification(s)	:	Specifications for Road and Bridge Works (last revision) issued by the Ministry of Surface Transport (Roads Wing), Government of India.
ASP	:	Additional Technical Specification

BIS	:	Bureau of Indian Standards
Prov.	:	Provisional
P.O.L. or POL	:	Petrol, Oil and Lubricants
Veh. Month or Veh Month	:	Vehicle month
month	:	Calendar month
hr.	:	Hours
FRL	:	Finished Road Level
Qtl	:	Quintal
Veh. Km	:	Vehicular Kilometre
TS	:	Technical Specification

**EXECUTIVE ENGINEER
SOUTH ZONE-A (UDHANA)
SURAT MUNICIPAL CORPORATION.**

ITEM NO.	ITEM DESCRIPTION	QTY	RATE as per S.O.R. 2024-25 without GST & With Cess	PER	AMOUNT
Part- (A) Cement Concrete Road					
Section – 1 Site Clearance					
1.01	Dismantling of structures on roadway, including disposal of unserviceable material and utilising the serviceable material free of cost in permanent works as directed by the Engineer with all leads and lifts etc. complete				
a)	Brick / Stone Masonary	60.00	577.92	CM	34,675.20
b)	Plain Concrete	224.00	639.72	CM	1,43,297.28
c)	Reinforced Concrete	112.00	1110.75	CM	1,24,404.00
d)	Bituminous Pavement	2003.40	288.65	CM	5,78,281.41
e)	Non Bituminous Pavement	1669.50	155.25	CM	2,59,189.88
1.02	Provision and fixing of traffic signs for limited period at suitable locations in construction zone comprising of warning zone, approach transition zone, working zone and terminal transition zone with a minimum distance of 60 cm from the edge of the kerb in case of kerbed roads and 2 to 3 m from the edge of the carriageway in case of un-kerbed roads, the bottom edge of the lowest sign plate to be not less than 2 m above the road level, fixed on 60 mm x 60 mm x 6 mm angle iron post, founded and installed as per approved design and drawings, removed and disposed of after completion of construction work, all as per IRC:SP:55-2001.	22.00	1800.00	No.	39,600.00

1.03	Providing and installation of barricades including supplying, painting with fluorescent paint and fixing 1.25mm th. M.S. CRC Plates with MS Channel ISMC 100 x 50 mm of 1.8m height and M.S. angle 50 x 50 x 5 mm at 2.5m c/c and dismantling the same after completion of work as directed by Engineer and as per site requirements.	333.00	124.72	SM	41,531.76
1.04	Reuse and shifting of barricades same as per requirement during construction period and dismantling the same after completion of work as directed by Engineer and as per site requirement.	238.50	28.32	SM	6,754.32
1.05	Providing, fixing and maintaining the blinkers at site during construction period as directed by Engineer-in-charge.	22.00	3850.00	No.	84,700.00
1.06	Provision of metal drum/empty bitumen drum delineator, 300 mm in diameter, 800 mm high, filled with earth for stability, painted in circumferential strips of alternate black and white 100 mm wide fitted with reflectors 3 Nos of 7.5 cm dia, all as per IRC:SP:55-2001.	22.00	286.00	No.	6,292.00
	Permanent Type Barricade in Construction Zone				
1.07	Rolling and compaction of excavated surface and/or filled surface of subgrade with watering if required including filling in depression which occur during the process, with vibratory roller 8-10 T capacity until subgrade achieve required FDD.	6678.00	6.62	SM	44,208.36
1.08	Carrying out Topographic survey in full width of road showing location of inlet chamber, machinehole of storm line & drainage line with total station instrument etc. on existing road along with level survey of road for road profile at minimum 15 mt. class interval with chainage markings on site including C-Section, L-Section & centre line marking of roads as per instruction of engineer in charge.	0.37	8800.00	KM	3,256.00
Total of Section-1					13,66,190.20

Section-2 : Milling Work					
2.01	Milling the existing bituminous pavement up to a depth of 50 mm by milling machine in a single cutting depth, to make a uniform surface without disturbing the base including diversion of traffic, removing milled materials and disposal of milled material to an approved dumping yard (within 12 km lead) including loading and unloading, all leads and lift, fuel, lubricant charges etc complete.	0.00	67.86	SM	0.00
2.02	Milling the existing bituminous pavement for a depth more than 50 mm but up to 100 mm by milling machine in a single cutting depth to make a uniform surface without disturbing the base including diversion of traffic, removing milled materials and disposal of milled material to an approved dumping yard (within 12 km lead) including loading and unloading, all leads and lift, fuel, lubricant charges etc complete.				
	51 mm -- 60 mm	0.00	73.78	SM	0.00
	61 mm -- 70 mm	0.00	79.69	SM	0.00
	71 mm -- 80 mm	0.00	85.61	SM	0.00
	81 mm -- 90 mm	0.00	91.52	SM	0.00
	91 mm -- 100 mm	0.00	97.44	SM	0.00
2.03	Milling the existing bituminous pavement for a depth more than 100 mm but up to 200 mm by milling machine in double cutting depth to make a uniform surface without disturbing the base including diversion of traffic, removing milled materials and disposal of milled material to an approved dumping yard (within 12 km lead) including loading and unloading, all leads and lift, fuel, lubricant charges etc complete.				
	101 mm -- 110 mm	0.00	109.27	SM	0.00
	111 mm -- 120 mm	0.00	121.10	SM	0.00
	121 mm -- 130 mm	0.00	132.93	SM	0.00
	131 mm -- 140 mm	0.00	144.77	SM	0.00
	141 mm -- 150 mm	0.00	156.60	SM	0.00
	151 mm -- 160 mm	0.00	168.43	SM	0.00
	161 mm -- 170 mm	0.00	180.26	SM	0.00

	171 mm -- 180 mm	0.00	192.09	SM	0.00
	181 mm -- 190 mm	0.00	203.92	SM	0.00
	191 mm -- 200 mm	0.00	215.75	SM	0.00
Total of Section-2					0.00
Section-3 : Earthwork					
3.01	Earth work in excavation in all types of strata other than rock for drains and channels etc., including dressing of bottom and sides of trenches, stacking the excavated spoil, clear from the edge of excavation including backfilling & disposal of surplus spoil as directed by the Engineer with all leads and lifts etc. complete.	5475.96	104.20	CM	5,70,595.03
Total of Section-3					5,70,595.03
Section-4: Earthwork in filling					
4.01	Earth work in embankment for subgrade and shoulders by using mechanical means with approved material AS HARD MURRUM / QUARRY SPOIL having 4 days soaked CBR equal to or more than 12.5%, laying in layers not exceeding 250 mm loose, breaking clods, dressing to the required lines, curves, grades, watering to OMC and compacting to 97% modified Proctor density with vibratory rollers having minimum 80 - 100 KN static weight including all leads and lifts etc. complete.	2782.50	1116.41	CM	31,06,410.82
4.02	Providing and filling yellow soil with necessary dumping filling of the trenches of each layer not exceeding 150 mm depth of including watering, ramming, consolidation, labour charge & tests required to be carried out etc. Complete.	0.00	301.78	CM	0.00
Total of Section-4					31,06,410.82
Section-5: Flexible Pavement					
5.01	Excavation of the soil by means of Disc Harrowing or Rotavator, as the case may be, upto 240 mm depth for full width of road and breaking the soil into pieces less than 20 mm etc.by the use of Rotavator and as directed by engineer in charge. (200 mm	0.00	20.33	CM	0.00

	compacted thickness)				
5.02	Supplying Fly ash including collecting, carting, stacking and spreading the same as directed.	0.00	572.00	MT	0.00
5.03	Supplying and carting of Hydrated lime (CaO content not less than 70%) and spreading the same with the excavated soil and flyash thoroughly by Disc Harrowing or Rotavator, as the case may be, including watering etc. complete as directed by engineer in charge.	0.00	6952.00	MT	0.00
5.04	Rolling and compaction of Subgrade with 8 T. vibratory roller and filling in depressions which occur during the process as directed by engineer in charge.	0.00	33.09	CM	0.00
5.05	Providing and laying Granular Sub Base (drainage layer) conforming to grading V of Table 400-1 of compacted thickness of 150 mm with specified graded stone metal and sand mixed in pugmill and laid with mechanical means spreading with motor grader and compacting with vibratory roller having minimum 80-100 kN static weight to achieve desired density of 98% of MDD including all materials, labour, machinery with all leads and lifts etc., complete.	0.00	1488.88	CM	0.00
5.06	Providing and laying Wet Mix Macadam with paver finisher in specified thickness, each layer not exceeding 100 mm compacted thickness including premixing in WMM plant with well graded crushed stone aggregate, with watering and spreading by mechanical means to required profile and compacting by vibratory roller of minimum 80-100 kN static weight to achieve desired density of 98% of MDD including all material, labour, machinery with all leads and lifts etc.	0.00	1654.66	CM	0.00

5.07	Supplying and applying Slow Setting-1 (SS-I) bitumen emulsion confirming to IS 8887, for application of prime coat over Wet Mix Macadam at the rate of 0.85 kg per Sq.Meter area, including all materials, labour, machinery, test with all leads and lifts etc., complete as per details in tender specification & as directed by engineer in charge.	0.00	68.67	SM	0.00
5.08	Supplying and applying Rapid Setting-1 (RS-I) bitumen emulsion confirming to IS 8887, for application of Tack coat before application of binder course at the rate of 0.27 kg. per Sq. Meter area, including all materials, labour, machinery, tests required to be carried out with all leads and lifts etc., complete as per details in tender specification & as directed by engineer in charge.	0.00	15.16	SM	0.00
5.09	Providing and laying DENSE GRADED BITUMINOUS MACADAM as per gradation and bitumen for mixing shall be as arrived from mix design, provided in no case it shall be less than 4.0% for Grade I and 4.5% for Grade II by wt. of total mix as binder by batch mix type hotmix plant and laying by sensor paver finisher including consolidation by rollers as specified including providing and operating plant, sensor paver and machinery, cost of fuel, oil lubricant and labour charges including cost of aggregate and filler (if found required as per mix design) etc complete (A) 4.50% bitumen (Including cost of bitumen)	0.00	3443.09	MT	0.00
5.10	Supplying and applying Rapid Setting-1 (RS-I) bitumen emulsion confirming to IS 8887, for application of Tack coat before application of wearing course at the rate of 0.25 kg. per Sq. Meter area, including all materials, labour, machinery, tests required to be carried out with all leads and lifts etc., complete as per details in tender specification & as directed by engineer in charge.	0.00	14.24	SM	0.00

5.11	Providing and laying 25mm to 50mm thick compacted BITUMINOUS CONCRETE using aggregates as per gradation and percentage of bitumen for mixing shall be as arrived from mix design, provided in no case bitumen percentage shall be less than 5.2% for Grade I and 5.4% for Grade II by Wt. of total mix as binder by batch mix type hot mix plant and laying by sensor paver finisher including consolidation by rollers as specified including providing and operating plant, sensor paver and machinery, cost of fuel, oil, lubricant and labour charges including cost of aggregate and filler (if found required as per mix design) etc. complete				
	(A) 5.20% bitumen (including cost of bitumen)	0.00	3788.51	MT	0.00
5.12	Collecting, carting and stacking Stone Dust on road side as directed and flushing the same on Bituminous surfaces at the rate of 0.30 cmt. per 10 smt. as directed by Engineer in charge.	0.00	2.47	SM	0.00
5.13	Preparing surfaces by excavating with spades, scraping with shovel, brushing with wire brushes for removing caked mud up to 150mm thick etc. sweeping with brooms and finally fanning the cleaned surface with gunny bags to remove all loose dirt etc. including carting of excavated stuff from site.	0.00	3.55	SM	0.00
5.14	Picking of the bituminous surface using JCB excavator or by any mechanical means, cleaning and removal of loose and unsuitable material on the road surface including cost of fuel, oil, lubricant, labour charges and disposal of loose unsuitable material from site to the disposal site as directed by Engineer in charge.	0.00	4.81	SM	0.00
5.15	Carting and conveying of bitumen from refinery / any depot of oil companies to Surat including loading unloading in suitable tanks/drums etc. Complete				
a	From Koyali refinery	0.00	918.96	MT	0.00
b	From Vapi	0.00	755.34	MT	0.00

c	From Mumbai	0.00	1426.54	MT	0.00
d	From Hazira	0.00	265.84	MT	0.00
Total of Section-5					0.00
Section-6 : Cement Concrete Pavement					
6.01	Providing and laying Granular Sub Base (drainage layer) conforming to Grading V of Table 400.2 of compacted thickness of 100 mm with specified graded stone metal and sand mixed in pugmill and laid with mechanical means spreading with motor grader and compacting with vibratory roller having minimum 80-100KN static weight to achieve desired density of 98% of MDD including all material, labour, machinery with all leads and lifts etc., complete.	1864.00	1488.88	CM	27,75,272.32
6.02	Providing and laying Dry Lean Concrete sub base including providing coarse and fine aggregate to the specified gradation using minimum cement content 150 kg/cum of concrete with OPC 53 grade cement, mixing of concrete as per approved design mix using mechanized batch mix plant of appropriate capacity, transporting and laying and compacting with vibratory roller of minimum 80-100KN static weight to give desired compacted density and average compressive strength of 10MPa at 7 days and curing with liquid curing compound and sprinkling water and covering with moist hessian or ponding of water for 7 days including providing construction joints, including all material, labour, machinery with all leads and lifts etc., complete	801.36	2937.00	CM	23,53,594.32

6.03	<p>Providing and laying Short Slab Concrete Pavement Quality Concrete of M 40 grade including providing 125 micron thick impermeable plastic sheet membrane over the surface to be covered, coarse and fine aggregates of specified gradation (Table 600.3 MORT&H Rev 5th 2013 specification) Portland pozzolana cement (PPC 53) conforming to (IS: 1489 – Part 1) @ 400 kg (minimum) per cum, approved admixture and adding Recron 3S or BS EN 14889- 2: 2006, class lamicro fibers @ 910 gm/cu.mt by volume of fibers confirming to IRC SP 046-2013 cementitious material mixing in fully automatic concrete batching plant of appropriate capacity & with computerized controls, as per the design mix to the specified workability, transporting the mix with dumpers or transit mixers and laying with self propelled slip form paving train of required capacity having electronic sensor device, curing with approved resin based aluminized reflective curing compound and covering with moist hessian and ponding and sprinkling of water for a minimum period of 28 days and including auto setup of tie bars inserted with paving machine, tie bars, all types of joints and finishing to the desired surface texture including all material, labour, machinery, formwork with all leads and lifts etc. complete.</p>	1024.00	7042.00	CM	72,11,008.00
6.04	<p>Providing & fixing IS Mark TMT Bar FE 500D reinforcement for R.C.C. workincl. bending, binding & placing in position etc. comp. Upto G.L./P.L.</p>	214.00	77.29	Kg.	16,540.06
6.05	<p>Supplying and filling fine sand (Pana/Stone Dust/Crush sand) in 25/75 mm (Avg.) compacted thickness over the base including necessary compaction, watering etc. complete. item includes levelling by using mini rollar/plat vibrator machine and as per details in tender specification & as directed by engineer in charge.</p>	77.00	413.09	CM	31,807.93

6.06	Providing and fixing in the carriageway Interlocking concrete pavers uni-shape (monolithic single layer precast concrete blocks) of any specified colour / size & shape, with approved pattern etc. of 100 mm thick having average crushing strength of 50 N/mm ² on average thickness of 45 mm uniformly graded river sand cushioning with properly compacted with mechanical compactor with required level, grade and camber etc. complete as directed by Engineer-In-charge. (Excluding Sand bed)	1122.00	965.00	SM	10,82,730.00
6.07	Providing and fixing C.C.M-20 grade pre-cast Vacuum pressed finished surface kerb stones of approved design including the cost of form work and mould (as directed by engineer incharge), curing etc. complete. The rate shall also include for erecting and fixing the pieces in position with necessary equipments and materials and include the flush pointing in CM(1:2) for all joints of the kerb stones. (Sample must be approved)				
	(A) 600(L)*300(H)*125(Thick) precast vacuum press kerb stone	742.00	410.00	R.M.	3,04,220.00
	(B) 300(L)*480(H)*150(Thick) precast vacuum press kerb stone	0.00	380.00	R.M.	0.00
	(C) 600(L)*450(H)*125(Thick) precast vacuum press kerb stone	0.00	539.00	R.M.	0.00
	(D) 600(L)*375(H)*100(Thick) precast vacuum press kerb stone	742.00	466.00	R.M.	3,45,772.00
6.08	Providing and laying/fixing cement concrete cast-in situ/Precast kerb in M-20 grade as per drawing and as per details in tender specification, Purchased from SMC's approved manufactures list. Setting in line, level and in truly vertical position, including filling joints 10mm width in C.M. 1:1 (1 Part of cement 1 part of coarse sand) smooth pointing in C.M. 1:1 (1 Part of cement : 1 Part of stone dust) including watering, test required to be carried out etc. complete and as directed by Engineer-incharge. including all leads, lifts, loding & unloading, watering, labour, tests required to be carried out, machinery, equipments required to execute this item etc. complete. (H- Height,				

	W-width T-thickness)				
	(A) Size in mm (H 775 X W 300 X T190)	0.00	1091.00	R.M.	0.00
6.09	Providing 100 mm thick readymade C.C. kerb of strength M20 (Size 300 x 380 mm) purchased from S.M.C.'s approved paver block manufacturer and setting in line, level and in truly vertical position, including filling joints 10mm width in C.M. 1:1 (1 Part of cement 1 part of coarse sand) smooth pointing in C.M. 1:1 (1 Part of cement : 1 Part of stone dust) including watering, test required to be carried out etc. complete and as directed by Engineer-in-charge). including watering, labour, tests required to be carried out, machinery, equipments required to execute this item etc. complete.				
	(A) For regular edge of footpath	0.00	228.00	R.M.	0.00
	(B) For rounding at the edge of footpath (For fanning portion	0.00	274.00	R.M.	0.00
6.10	Providing and fixing interlocking type Rubber Moulded cement concrete paver block of approved shape, design and colour having 60 mm thickness (M-35), purchased from SMC's approved paverblock manufacture only and fixing on fine sand bedding. Item includes levelling by using vibratory plates compacted machine. Item also includes all material colour, equipments, tools, plants, watering, cleaning etc. complete.				
	(A) Regular Paver Block (With Colour)	1021.00	524.00	SM	5,35,004.00
	(B) C & D Waste Paver Block (With Colour)	0.00	408.50	SM	0.00
6.11	Providing and fixing in position readymade cement concrete Water Drain Channel (600 x 300 x 100 mm) M-30 Grade with all labour, material, testing charge etc. complete	742.00	353.00	R.M.	2,61,926.00

	as per details in tender specification & as directed by engineer in charge.				
6.12	Supplying and fixing RCC collar (300 mm dia) for tree plantation including all taxes, carting, loading, unloading etc. complete. with all labour, material charge etc. complete as per details in tender specification & as directed by engineer in charge.	0.00	60.00	No.	0.00
	(A) Tree guard ID 500mm, 800 x 800 x 75 mm (Type D) (set 4)	67.00	672.00	No.	45,024.00
6.13	Removing existing kotah stone flooring in mortar and vertical stone kerbing including stacking of serviceable material carting at SMC store disposal of unserviceable material with all lead and lift.	222.60	50.11	SM	11,154.48
6.14	Providing and applying two coats of synthetic enamel paint including primer to kerb as per technical specifications and as directed by Engineer-in-charge.	668.00	90.00	SM	60,120.00
6.15	Providing & laying cement concrete 1:2:4 (1 cement:2 sand:4 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.	9.28	3741.69	CM	34,722.88
6.16	Providing and laying cement concrete Precast kerb/ cast- in-situ kerb in M-20 grade concrete as per drawing purchased from SMC's approved Manufacturer' if precast kerb laying and as directed by Engineer with all leads, lifts etc. complete. (ii) 0.15 (th.) *0.30(l)* 0.48(Ht.) mt. in size M-20 grade pre cast Kerbs for Fixing at edge of PQC as per drawing and as directed by Engineer with all leads, lifts etc. complete.	742.00	380.00	R.M.	2,81,960.00

6.17	Pavement marking with hot applied thermoplastic paints of 2.5mm thickness including reflectorising glassbeads @ 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks & hoels				
	For Edge line marking of 15cm width	222.60	367.72	SM	81,854.47
	For Center Line marking of 10cm width	24.90	367.72	SM	9,156.23
6.18	Supplying of Molded Shank Raised Pavement Markers made of polycarbonate and ABS molded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 100 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30 +/- 2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. (3M or Equivalent Brand)	331.00	217.40	No.	71,959.40

6.19	<p>Regulatory / Mandatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 60 cms. Dia Circle as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor.</p>	8.00	3540.12	No.	28,320.96
6.20	<p>Cautionary Warning Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60</p>	8.00	3906.19	No.	31,249.52

	Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting				
6.21	<p>Facility Informatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 80 x 60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.</p>	8.00	3990.64	No.	31,925.12

6.22	<p>Direction (Junction) Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 244x122 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr (2 Nos.) long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.</p>	3.00	21287.51	No.	63,862.53
Total of Section-6					1,56,69,184.21
Total of Part- (A) Cement Concrete Road					2,07,12,380.26
Part- (B) Drainage, Protective and Miscellaneous Works					
Section 7: Drainage and Protective Works					
7.01	Providing and laying PCC M-15 grade for embeddment (encassing) of water pipelines with the maximum size of coarse aggregate 20 mm including necessary form work, mixing, vibrating, curing by sprinkling / ponding of water for 14 days etc. complete.	0.00	3637.34	CM	0.00
7.02	Providing and casting in situ ordinary cement concrete M 20 for R.C.C. solid slab including centring scaffolding curing and finishing complete.	0.00	6690.46	CM	0.00

7.03					
(a)	Brick work (Modular Type) using common burnt clay building brick having crushing strength not less than 35Kg/sq.cm in foundation and plinth in cement mortar (1:6) (1 Cement : 6 fine sand) for Utility Chambers	0.00	4237.00	CM	0.00
(b)	Providing, laying & compacting 150 mm thk rubble soling for the foundation of the Utility crossing Chambers	0.00	1064.80	CM	0.00
(c)	Providing 15 mm thk. Cement plaster 1:3 for brickwork	0.00	237.51	SM	0.00
7.04	Providing & supplying heavy duty I.S.I. mark RCC precast manhole frame with cover at site as per design for circular manhole complete				
	(A) For Circular manhole	10.00	2294.00	No.	22,940.00
7.05	Raising / lowering manholes to the required level upto FRL of PQC including all materials, formwork and with 16 cm thick M20 CC coping under frames of manhole, including removing existing manhole frame cover and fixing existing manhole frame & cover or fresh heavy duty I.S.I. mark RCC precast manhole frame with cover if required, curing etc. complete as specified and as directed and item also includes all safety measures like cover the manhole with M.S. plate during execution of each layer of C.C.pavement and cleaning the manhole from all road debris fallen inside the manhole during construction activity & certified the same from engineer in charge about cleaned manhole.				
	(1) For the depth upto 875mm	21.00	3826.63	No.	80,359.23
	(2) For the depth upto 425mm	0.00	2146.80	No.	0.00
7.06	Dewatering: In all sorts of soil and soft murrum, hard murrum and boulders, soft rock, Hard rock, upto 1.5 mt. depth from G.L.	630.00	19.55	CM	12,316.50
	Extra for dewatering in all sorts of strata's, for each 1.5 mt. or part thereof beyond 1.5	630.00	11.50	CM	7,245.00

	mt. depth.				
7.07	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.	35.00	18.32	HP/HR	641.20
7.08	Sewer machineholes				
	Providing and constructing Sewer machineholes, scraper machineholes 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 100mm coping with reinforcement in R.C.C.M200 fixing C.I.steps and fixing machinehole frame and covers (But excluding supply of machinehole frame and covers) over machineholes and house connection chambers and fixing machinehole covers (but excluding supplying of machinehole covers) over scraper machinehole 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) machinehole type "A" circular type having inside diameter of 1200mm for depth upto 1.5 m depth (for 150mm to 500mm dia sewer)				
	1. machinehole type "A" as above for 1.0 M depth	7.00	12179.00	No.	85,253.00
	2. Extra depth beyond 1.0 M but upto 1.5 M depth for "A" type machinehole	11.00	6628.00	Rmt	72,908.00
	(B) machinehole type "B" circular type having inside diameter of minimum 1500mm and for depth from 1.5 M to 4.0 M (for 150mm to 600mm dia sewers)				
	1. machinehole type "B" as above but upto 1.5 M depth	7.00	21116.00	No.	1,47,812.00
	2. machinehole type "B" as above but upto 2.0 M depth	7.00	27272.50	No.	1,90,907.50
	3. machinehole type "B" as above but upto 2.1 M depth	7.00	28503.80	No.	1,99,526.60
	4. Extra depth beyond 2.1 M but upto 4.0 M depth for type "B" machinehole	13.00	12313.00	Rmt	1,60,069.00

(C) machinehole type "C" circular type having inside diameter of minimum 1500mm and for depth beyond 4.0 m to 6.0 m (for 150mm to 1800mm dia sewers)				
1. machinehole type "C" as above but upto 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.	0.00	18786.00	Rmt	0.00
D) machinehole type "D" circular type having inside diameter of minimum 1500mm and for depth beyond 6 M to 10 M (for 150mm to 500mm diameter 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 6.0m and up to 10 mt depth but type "D1"	0.00	22110.00	Rmt	0.00
(E) machinehole type "D2" circular type having inside diameter of minimum 1500mm and for depth beyond 6.0 M to 10.0 M (for 600mm to 1000mm dia sewers)				
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.	0.00	22121.00	Rmt	0.00
(F) machinehole type "D3" circular type having inside diameter of minimum 1900 mm and for depth beyond 6.0 m to 10.0 m (for 1100mm to 1800mm dia. sewers).				
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.	0.00	26015.00	Rmt	0.00
(G) Scraper machinehole type "S1" rectangular type having inside dimension 1500mm x 1500mm for 600mm dia to 1200mm dia sewer pipes and for depth 2.5 m to 9.0 m.				
1. Scraper machinehole type "S1" as above but up to 2.5 m depth.	7.00	52319.00	No.	3,66,233.00
2. Extra depth beyond 2.5 m and up to 9.0 m depth for type "S1" scraper machinehole above.	11.00	31907.00	Rmt	3,50,977.00
(H) Scraper machinehole type "S2" rectangular type having inside dimension 1900mm x 1900mm for 1400mm dia. sewer pipes and for depth 2.5m to 9.0m				
1. Scraper machinehole type "S2" as above but up to 2.5m depth.	7.00	48103.00	No.	3,36,721.00

	2. Extra depth beyond 2.5 m and up to 9.0 m depth for type "S2" scraper machinehole above.	11.00	20370.00	Rmt	2,24,070.00
7.09	RCC precast M.H. frame & cover manufacture, supply & Delivery at store or at site of work precast RCCM-200 frame & cover suitable to drainage M.H. and as per type design & Drawing including cost of reinforcement M.S. Angles or Flat, curing mold work etc.				
	(A) For circular machinehole of ISI marks (Heavy duty) 560 mm dia.	4.00	2294.00	No.	9,176.00
	(B) For scrapper machinehole.	4.00	7289.00	No.	29,156.00
7.10	Providing and Supplying ISI standard R.C.C.pipes (of Sulphate Resisting Cement) instandard lengths of following class and diameter suitable for either collar jointsor rubber ring joints including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to department stores, stacking etc. complete. (IS458/ 1989) Note: One collar should be supplied with each full length plainended RCCpipe, cost included in rates below. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.				
	Lowering, laying and jointing RCC pipes in C.M.1:1 1/2 of following diameters inproper position, gradeand dalignmentat all levelsas directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code.				
	Class NP2 Test Pressure 0.7 Kg. / sq. cm.				
	250.00 mm Dia	0.00	590.55	Rmt.	0.00
	400.00 mm Dia	0.00	837.80	Rmt.	0.00
	600.00 mm Dia	0.00	1593.20	Rmt.	0.00

7.11	<p>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 department stores, stacking etc. complete. (IS 458 /1989) Note: One collar should be supplied with each full length plainended RCC pipe, cost included in rates below. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.</p>				
	<p>Lowering, laying and jointing RCCpipes in C.M.1:11/2 of following diameters inproper position, gradeand alignment at all level as directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code.</p>				
	<p>Class NP3 Test Pressure 0.7 Kg. / sq. cm.</p>				
	<p>250.00 mm Dia</p>	552.00	638.55	Rmt.	3,52,479.60
	<p>450.00 mm Dia</p>	0.00	1557.65	Rmt.	0.00
	<p>600.00 mm Dia</p>	0.00	2208.20	Rmt.	0.00
7.12	<p>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 department stores, stacking etc. complete. (IS 458 / 1989) Note: One collar should be supplied with each full length plainended RCCpipe, cost included in rates below. One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.</p>				
	<p>Lowering, laying and jointing RCC pipes in C.M. 1:11/2 of following diameters inproper position, grade and alignment at all level as directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code.</p>				
	<p>Class IRS / NP4</p>				

	250.00 mm Dia	0.00	868.55	Rmt.	0.00
	400.00 mm Dia	0.00	1223.85	Rmt.	0.00
	600.00 mm Dia	64.00	1531.95	Rmt.	98,044.80
7.13	Providing & Constructing 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, 12mmth. inside plaster in C.M. 1:3, Prov. & fixing r.c.c. mh. frame & cover in c.c. 1:2:4, & 150mmth. R.C.C. slab in 1:1.5:3 including Prov. fixing polypropylene Steps etc. comp.				
	"A" TYPE machinehole Sewer size : up to 600 mm dia. , Chamber Size : 1200 mm x 1000 mm Shallow machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	23690.00	No.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth	0.00	653.00	No.	0.00
	"B1" TYPE machinehole Sewer size : up to 1000 mm dia., Chamber Size : 1500 mm x 1000 mm Shallow machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	35974.00	No.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth	0.00	1115.00	No.	0.00
	"B2" TYPE machinehole Sewer size : up to 1000 mm dia., Chamber Size : 1500 mm x 1000 mm Deep 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	No.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth	0.00	644.00	No.	0.00
	B3" TYPE machinehole Sewer size : up to 1000 mm dia., Chamber Size : 1500 mm x 1000 mm Deep 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	No.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth	0.00	964.00	No.	0.00
	"C1" TYPE machinehole Sewer size : 1100mm to 1400 mm dia., Chamber Size : 1800 mm x 1000 mm Shallow machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	40173.00	No.	0.00
	Add. or ded. per every 10 cm increase or decrease in depth	0.00	1228.00	No.	0.00
	"C2" TYPE machinehole Sewer size : 1100mm to 1400 mm dia., Chamber Size : 2400 mm x 1000 mm Deep machinehole	0.00	63202.00	No.	0.00

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				
Add. or ded. per every 10 cm increase or decrease in depth	0.00	644.00	No.	0.00
C3" TYPE machinehole Sewer size : 1100 mm to 1400 mm dia., Chamber Size : 2400 mm x 1200 mm Deep 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	No.	0.00
Add. or ded. per every 10 cm increase or decrease in depth	0.00	964.00	No.	0.00
"D1" TYPE machinehole Sewer size : 1600 mm to 1800 mm dia., Chamber Size : 2200 mm x 1000 mm Shallow machinehole depth up to 2.5 mt. Rate For 2.5 mt Depth	0.00	42801.00	No.	0.00
Add. or ded. per every 10 cm increase or decrease in depth	0.00	1369.00	No.	0.00
"D2" TYPE machinehole Sewer size : 1600 mm to 1800 mm dia., Chamber Size : 2400 mm x 1200 mm Deep 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	No.	0.00
Add. or ded. per every 10 cm increase or decrease in depth	0.00	644.00	No.	0.00
"D3" TYPE machinehole Sewer size : 1600 mm to 1800 mm dia., Chamber Size : 2400 mm x 1200 mm Deep 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	No.	0.00
Add. or ded. per every 10 cm increase or decrease in depth	0.00	964.00	No.	0.00
E" TYPE machinehole Sewer size : 2000 mm to 2200 mm dia., Chamber Size : 3000 mm x 1500 mm Deep 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	No.	0.00
Add. or ded. per every 10 cm increase or decrease in depth	0.00	964.00	No.	0.00

7.14	Providing constructing brick masonry INLETCHAMBER OF 750*600*1500mm internal dimension with necessary excavation refilling 350mm th Br.masonry in C.M1:4, 150mm 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	20.00	13548.00	No.	2,70,960.00
	Add. or ded. per every 10 cm increase or decrease in depth	20.00	701.00	No.	14,020.00
7.15	Making Connection (a) upto 900mm dia	20.00	1100.00	No.	22,000.00
	Making Connection (b) 900mm to 1600mm dia	0.00	1900.00	No.	0.00
	Making Connection (c) More than 1600mm dia	0.00	2700.00	No.	0.00
Total of Section-7					30,53,815.43
Section-8 : Miscellaneous					
8.01	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified.				
	In all sorts of soil and soft murrum				
	(A) Upto 1.5 Mt. depth from G.L.	0.00	89.00	CM	0.00
	(B) 1.5 Mt. TO 3.00 Mt. Depth	0.00	98.00	CM	0.00
8.02	Providing , Carting, Conveying, Stacking, Lowering, Laying and Jointing of ISI Standard R.C.C.pipes conforming to relevant IS Code & marked on it 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. complete.				
	Note: One rubber ring should be supplied with each full length socketed pipe, cost included in rates below.				

	(A) 150 mm dia (NP2 Class)-For Connection Line	30.00	370.00	R.M.	11,100.00
	(B) 250 mm dia (NP3 Class)	0.00	638.55	R.M.	0.00
	(C) 300 mm dia (NP2 Class)	0.00	808.85	R.M.	0.00
	(D) 300 mm dia (NP3 Class)	0.00	891.85	R.M.	0.00
	(E) 450 mm dia (NP3 Class)	0.00	1557.65	R.M.	0.00
8.03	Providing and constructing rectangular brick masonry chamber for house connection as per type design in brick masonry in C. M. 1:3 including M-100 in foundation M-150 in benching inside plastering in C. M. 1:3 and outside plastering in C. M. 1:3 coping in M200 and fixing RCC precast manhole frame and covers, but Excl. supply of manhole and cover etc. complete excl. excavation.	10.00	7922.00	No.	79,220.00
8.04	Providing & supply of R.C.C. precast M.H. frame & cover-Light duty for house connection chamber.	10.00	1733.00	No.	17,330.00
8.05	Providing and Fixing RCC precast inlet chamber cover of M-30 Grade as per drawing and specification.				
	(A) Size-750 mm x 600 mm	0.00	1567.00	No.	0.00
	(B) Size-600 mm x 450 mm	0.00	692.00	No.	0.00
8.06	Removing and resetting Existing paver block , including all watering leveling, cleaning, labour & Equipments chages etc. complete as per details in tender specification & as directed by engineer in charge.	0.00	102.00	SM	0.00
8.07	Removing & resetting existing ready made C.C.Kerb of strength of required size & thickness in line,level and truly vertical position ,including filling joints in C.M.1:1(1part of cement 1 part of coarse sand) smooth pointing in C.M.1:1 (1part of cement : 1 part of stone dust)including watering etc.complete as directed by engineer-in-charge.	0.00	56.00	R.M.	0.00

8.08	Providing and fixing steel work welded in built up section, framed work including cutting, hoisting and fixing in position and applying priming coat of red lead paint. fabrication.	0.00	90.47	Kg.	0.00
8.09	Providing and applying two coats of synthetic enamel paint to Steel railing as per Technical Specification and as directed by the Engineer.	0.00	65.31	SM	0.00
8.10	Providing and laying in-situ PCC M20 grade cement concrete in foundations of Railing including formwork, transporting, placing, compacting, finishing, curing, etc. complete with all leads and lifts as per drawing & specification and as directed by Engineer.	0.00	4146.15	CM	0.00
	Conveying, lowering, laying and jointing C.I./D.I. Pipes with specials of following dia. In proper position, grade and alignment as directed by Engineer in charge incl. Conveyance from stores to site of work, labour etc. comp.				
	(a) 100 mm Dia.	0.00	62.10	R.M.	0.00
	(b) 150 mm Dia.	50.00	86.25	R.M.	4,312.50
	(c) 200 mm Dia.	50.00	112.70	R.M.	5,635.00
	(d) 250 mm Dia.	0.00	142.60	R.M.	0.00
	(e) 300 mm Dia.	0.00	174.80	R.M.	0.00
	(f) 350 mm Dia.	0.00	212.75	R.M.	0.00
	(g) 400 mm Dia.	0.00	254.15	R.M.	0.00
	(h) 450 mm Dia.	0.00	300.15	R.M.	0.00
8.11	(i) 500 mm Dia.	0.00	351.90	R.M.	0.00
	(j) 600 mm Dia.	0.00	456.55	R.M.	0.00
8.12	Conveying, lowering and fixing Sluice valve/Butter fly valve/Scour valve including making flange joints, tightening the nut and bolts perfectly water tight it by using rubber insulation etc complete as directed by the engineer in charge.				
	(a) 100 mm Dia.	0.00	538.00	No.	0.00
	(b) 150 mm Dia.	1.00	717.60	No.	717.60
	(c) 200 mm Dia.	1.00	909.65	No.	909.65
	(d) 250 mm Dia.	0.00	1160.35	No.	0.00
	(e) 300 mm Dia.	0.00	1399.55	No.	0.00
	(f) 350 mm Dia.	0.00	2136.70	No.	0.00
	(g) 400 mm Dia.	0.00	2416.15	No.	0.00

	(h) 450 mm Dia.	0.00	3384.45	No.	0.00
	(i) 500 mm Dia.	0.00	3563.85	No.	0.00
	(j) 600 mm Dia.	0.00	4865.65	No.	0.00
8.13	Making lead joint perfectly water tight. etc. complete. Lead and spun yarn shall be issued free of cost.				
	(a) 100 mm Dia.	0.00	130.00	No.	0.00
	(b) 150 mm Dia.	2.00	179.00	No.	358.00
	(c) 200 mm Dia.	2.00	261.00	No.	522.00
	(d) 250 mm Dia.	0.00	422.00	No.	0.00
	(e) 300 mm Dia.	0.00	446.00	No.	0.00
	(f) 350 mm Dia.	0.00	549.00	No.	0.00
	(g) 400 mm Dia.	0.00	653.00	No.	0.00
	(h) 450 mm Dia.	0.00	1051.00	No.	0.00
	(i) 500 mm Dia.	0.00	1230.00	No.	0.00
	(j) 600 mm Dia.	0.00	1451.00	No.	0.00
	(k) 700 mm Dia.	0.00	1575.00	No.	0.00
	(l) 750 mm Dia.	0.00	1700.00	No.	0.00
	(m) 900 mm Dia.	0.00	2060.00	No.	0.00
8.14	Making Tyton Rubber Gasket with specials of D.I. Fittings				
	(a) 100 mm Dia.	0.00	9.00	No.	0.00
	(b) 150 mm Dia.	2.00	10.00	No.	20.00
	(c) 200 mm Dia.	2.00	18.00	No.	36.00
	(d) 250 mm Dia.	0.00	24.00	No.	0.00
	(e) 300 mm Dia.	0.00	34.00	No.	0.00
	(f) 350 mm Dia.	0.00	56.00	No.	0.00
	(g) 400 mm Dia.	0.00	68.00	No.	0.00
	(h) 450 mm Dia.	0.00	78.00	No.	0.00
	(i) 500 mm Dia.	0.00	122.00	No.	0.00
	(j) 600 mm Dia.	0.00	144.00	No.	0.00
	(k) 700 mm Dia.	0.00	163.00	No.	0.00
	(l) 750 mm Dia.	0.00	168.00	No.	0.00
8.15	Cutting the C.I./D.I. Pipe in pieces as necessary for fitting the special like Tee, bend etc. complete.				
	(a) Pipe thickness up to 10mm.	2.00	138.00	R.M.	276.00
	(b) Pipe thickness 11mm to 20 mm	2.00	172.50	R.M.	345.00
	(c) Pipe thickness 21 mm to 33 mm	0.00	195.50	R.M.	0.00

8.16	Chamfering D.I. Pipes as necessary for fitting the specials like Tee, Bend etc. complete				
	(a) 100 mm Dia.	0.00	100.00	No.	0.00
	(b) 150 mm Dia.	2.00	115.00	No.	230.00
	(c) 200 mm Dia.	2.00	125.00	No.	250.00
	(d) 250 mm Dia.	0.00	200.00	No.	0.00
	(e) 300 mm Dia.	0.00	210.00	No.	0.00
	(f) 350 mm Dia.	0.00	270.00	No.	0.00
	(g) 400 mm Dia.	0.00	330.00	No.	0.00
	(h) 450 mm Dia.	0.00	375.00	No.	0.00
	(i) 500 mm Dia.	0.00	437.00	No.	0.00
	(j) 600 mm Dia.	0.00	500.00	No.	0.00
	(i) 700 mm Dia.	0.00	531.00	No.	0.00
	(j) 750 mm Dia.	0.00	562.00	No.	0.00
8.17	Making arrangement of flushing work of laid line as directed by the engineer in charge and as per the specification and site condition.				
	(a) Dia of pipe up to 300mm	1.00	500.00	No.	500.00
	(b) Dia. of pipe from 350 up to 600mm	1.00	1000.00	No.	1,000.00
8.18	Providing and making connection with Existing line of the following diameter including placing TEE and Collar including cutting the existing line & necessary dewatering. All the arrangement for dewatering (i.e Dewatering pump etc.) shall be provided by the Contractor on site at his own cost. Excavation shall be paid as per Item No.1, Lead Joint for this item shall be paid as per the Item No.5				
	(A) 750 mm dia	0.00	22550.00	No.	0.00
	(B) 700 mm dia	0.00	20872.50	No.	0.00
	(C) 600 mm dia	0.00	19195.00	No.	0.00
	(D) 500 mm dia	0.00	15537.00	No.	0.00
	(E) 450 mm dia	0.00	12460.00	No.	0.00
	(F) 400 mm dia	0.00	11018.00	No.	0.00
	(G) 350 mm dia	0.00	8474.00	No.	0.00
	(H) 300 mm dia	0.00	5930.00	No.	0.00
	(I) 250 mm dia	0.00	5138.00	No.	0.00
	(J) 200 mm dia	0.00	4250.00	No.	0.00
	(K) 150 mm dia	0.00	3750.00	No.	0.00
	(L) 100 mm dia	0.00	3522.00	No.	0.00

8.19	Providing and laying C.C 1:3:6 (1- cement :3- coarse sand : 6- graded stone aggregate of 40 mm nominal size)and curing , compacting including cost of form work for P.C.C.	0.00	2510.86	CM	0.00
8.20	Providing and constructing brick work using common burnt clay Fly Ash building bricks confirming to IS:13757, IS:5454 ,IS:3495 having crushing strength not less than 50Kg/Sq.cm. brick masonry as per the detailed drawing using brick of approved quality in foundation and plinth incl. racking out joints, watering etc. as directed in CM 1:6 (1 Cement:6 coarse sand)	15.65	2914.86	CM	45,615.23
8.21	Providing and applying 10 mm thick cement plaster in single coat on brick / concrete walls similar surface for plastering and finished even and smooth with a floating coat of neat cement slurry mixed with admixture of lime required proportion etc. complete in C.M. 1:3 (1 cement : 3 sand) as directed by the Engineer-in-charge.(As per R&B SOR 2011-12, Page No11, 12, Ch-17, I.No. 1-17.58 & 4-17.69)	136.08	114.13	SM	15,530.81
8.22	Providing and laying M-20 nominal mix concrete (I.e in prporation of CM 1:1-1/2:3 (1- cement : 1-1/2 -fine Agg.and 3- 20 mm nominal size kapachi) including cost of form work but excluding cost of reinforcement including curing etc. complete.	5.83	5285.09	CM	30,792.20
8.23	Providing, Cleaning straghtening, Cutting, bending binding in position TMT bar for Reinforced concrete work confirming to IS 1786 and Mild steel reinforcement confirming to IS 226.	302.78	44.84	Kg.	13,576.57
8.24	Providing and fixing C.I \PVC steps of size 300 x 150 x 25 mm in the masnory chamber.The steps shall be fixed at the time of constructing the chamber.	0.00	184.83	No.	0.00
8.25	Providing & fabricating the clamping arrangement for caps,plugs at the open end of the pipe line inclg. necessary excavation dewatering if any,welding fabrication ,nuts ,bolts etc comp. as per the direction of engineer in charge.	0.00	60.89	Kg.	0.00
8.26	Provding & laying 1:2:4 C.C for the thrust block inclg. cost of form work.	0.00	3203.72	CM	0.00

8.27	Providing & fixing R.C.C.Precast Manhole Frame with cover in M-350 as per drawing for Manhole suitable for 450x600 cm opening of M.H. including cost of reinforcement M.S. Angles or Flate, curring mold work etc.complete. (a) Heavy Duty	7.00	2569.00	No.	17,983.00
8.28	Providing and fixing M.S manhole frame and cover of required size including necessary hold fast arrangement. The frame shall be grouted in the RCC slab at the time of casting the slab including one coat of primer and two coat of oil paint. The frame shall be of M.S. angle of size 65X65X6 mm & 12 mm thick M.S. plate as directed by Engineer-in-charge.	31.00	60.89	Kg.	1,887.59
8.29	Bailing out subsoil or drainage water by pumps as directed after excavation and during concreting / pipe laying work and keeping dry the area till the complete of work as per information given by the Engineer-in-charge.	0.00	18.28	HP/HR	0.00
8.30	Providing D.I./ D.P. So. and Sp. Pipes & Specials of L.A. Class with or without cement lining. (a) 100 mm Dia. (b) 150 mm Dia. (c) 200 mm Dia. (d) 250 mm Dia. (e) 300 mm Dia. (f) 350 mm Dia. (g) 400 mm Dia. (h) 450 mm Dia. (i) 500 mm Dia. (j) 600 mm Dia. (k)700 mm Dia. (l)750 mm Dia.	0.00	1590.00	R.M.	0.00
		0.00	2190.00	R.M.	0.00
		0.00	2820.00	R.M.	0.00
		0.00	3670.00	R.M.	0.00
		0.00	5055.00	R.M.	0.00
		0.00	5840.00	R.M.	0.00
		0.00	7560.00	R.M.	0.00
		0.00	8610.00	R.M.	0.00
		0.00	10660.00	R.M.	0.00
		0.00	14080.00	R.M.	0.00
		0.00	14715.00	R.M.	0.00
		0.00	17950.00	R.M.	0.00
8.31	Providing D.I. Double Flange Sluice Valve with the sets of tail pieces of approved Quality. (a) 100 mm Dia S.V. (b) 150 mm Dia. S.V. (c) 200 mm Dia. S.V. (d) 250 mm Dia. S.V. (e) 300 mm Dia. S.V.	0.00	8595.00	No.	0.00
		0.00	14525.00	No.	0.00
		0.00	22880.00	No.	0.00
		0.00	34765.00	No.	0.00
		0.00	47475.00	No.	0.00

	(f) 350 mm Dia. S.V.	0.00	68630.00	No.	0.00
	(g) 400 mm Dia. S.V.	0.00	137785.00	No.	0.00
	(h) 450 mm Dia. S.V.	0.00	106050.00	No.	0.00
	(i) 500 mm Dia. S.V.	0.00	230250.00	No.	0.00
8.32	Providing D.I. Fittings				
	A/S TEE				
	100x100x100 mm dia	0.00	1760.00	No.	0.00
	150x150x100 mm dia	0.00	2390.00	No.	0.00
	150x150x150 mm dia	0.00	2730.00	No.	0.00
	200x200x100 mm dia	0.00	3465.00	No.	0.00
	200x200x150 mm dia	0.00	4120.00	No.	0.00
	200x200x200 mm dia	0.00	4840.00	No.	0.00
	250x250x80 mm dia	0.00	3005.00	No.	0.00
	250x250x100 mm dia	0.00	4535.00	No.	0.00
	250x250x150 mm dia	0.00	5125.00	No.	0.00
	250x250x200 mm dia	0.00	5840.00	No.	0.00
	250x250x250 mm dia	0.00	6685.00	No.	0.00
	300x300x100 mm dia	0.00	6110.00	No.	0.00
	300x300x150 mm dia	0.00	6710.00	No.	0.00
	300x300x200 mm dia	0.00	7540.00	No.	0.00
	300x300x250 mm dia	0.00	8270.00	No.	0.00
	CAP				
	100 mm dia	0.00	600.00	No.	0.00
	150 mm dia	0.00	1065.00	No.	0.00
	200 mm dia	0.00	1735.00	No.	0.00
	250 mm dia	0.00	2400.00	No.	0.00
	300 mm dia	0.00	3205.00	No.	0.00
	350 mm dia	0.00	4830.00	No.	0.00
	400 mm dia	0.00	6615.00	No.	0.00
	450 mm dia	0.00	8318.00	No.	0.00
	500 mm dia	0.00	10464.00	No.	0.00
	600 mm dia	0.00	16094.00	No.	0.00
	700 mm dia	0.00	28350.00	No.	0.00
	750 mm dia	0.00	35800.00	No.	0.00
	PLUG				
	80 mm dia	0.00	316.00	No.	0.00
	100 mm dia	0.00	462.00	No.	0.00
	150 mm dia	0.00	769.00	No.	0.00
	200 mm dia	0.00	1215.00	No.	0.00
	250 mm dia	0.00	1843.00	No.	0.00

	300 mm dia	0.00	2867.00	No.	0.00
	350 mm dia	0.00	4830.00	No.	0.00
	400 mm dia	0.00	6001.00	No.	0.00
	450 mm dia	0.00	7394.00	No.	0.00
	500 mm dia	0.00	9001.00	No.	0.00
	600 mm dia	0.00	14035.00	No.	0.00
	700 mm dia	0.00	28350.00	No.	0.00
	750 mm dia	0.00	28665.00	No.	0.00
8.33	Providing C.I. Fittings				
	A/S TEE				
	100x100x100 mm dia	0.00	2130.00	No.	0.00
	150x150x100 mm dia	0.00	3335.00	No.	0.00
	150x150x150 mm dia	0.00	3760.00	No.	0.00
	200x200x150 mm dia	0.00	4450.00	No.	0.00
	200x200x200 mm dia	0.00	4870.00	No.	0.00
	250x250x100 mm dia	0.00	5775.00	No.	0.00
	250x250x150 mm dia	0.00	6345.00	No.	0.00
	250x250x200 mm dia	0.00	6495.00	No.	0.00
	250x250x250 mm dia	0.00	6680.00	No.	0.00
	300x300x100 mm dia	0.00	7755.00	No.	0.00
	300x300x150 mm dia	0.00	8330.00	No.	0.00
	300x300x200 mm dia	0.00	8540.00	No.	0.00
	300x300x250 mm dia	0.00	9800.00	No.	0.00
	300x300x300 mm dia	0.00	9560.00	No.	0.00
	350x350x150 mm dia	0.00	13090.00	No.	0.00
	350x350x200 mm dia	0.00	12280.00	No.	0.00
	350x350x250 mm dia	0.00	13665.00	No.	0.00
	350x350x300 mm dia	0.00	13165.00	No.	0.00
	350x350x350 mm dia	0.00	13830.00	No.	0.00
	400x400x100 mm dia	0.00	17745.00	No.	0.00
	400x400x150 mm dia	0.00	17745.00	No.	0.00
	400x400x200 mm dia	0.00	16240.00	No.	0.00
	400x400x250 mm dia	0.00	15990.00	No.	0.00
	400x400x300 mm dia	0.00	16600.00	No.	0.00
	400x400x350 mm dia	0.00	16800.00	No.	0.00
	400x400x400 mm dia	0.00	18080.00	No.	0.00
	450x450x100 mm dia	0.00	20240.00	No.	0.00
	450x450x150 mm dia	0.00	22860.00	No.	0.00
	450x450x200 mm dia	0.00	20240.00	No.	0.00
	450x450x250 mm dia	0.00	20510.00	No.	0.00
	450x450x300 mm dia	0.00	20510.00	No.	0.00

450x450x350 mm dia	0.00	20600.00	No.	0.00
450x450x400 mm dia	0.00	21860.00	No.	0.00
450x450x450 mm dia	0.00	22735.00	No.	0.00
500x500x100 mm dia	0.00	24020.00	No.	0.00
500x500x150 mm dia	0.00	24020.00	No.	0.00
500x500x200 mm dia	0.00	24020.00	No.	0.00
500x500x250 mm dia	0.00	24500.00	No.	0.00
500x500x300 mm dia	0.00	24625.00	No.	0.00
500x500x350 mm dia	0.00	25000.00	No.	0.00
500x500x400 mm dia	0.00	26045.00	No.	0.00
500x500x450 mm dia	0.00	26200.00	No.	0.00
500x500x500 mm dia	0.00	27865.00	No.	0.00
600x600x100 mm dia	0.00	34750.00	No.	0.00
600x600x150 mm dia	0.00	34800.00	No.	0.00
600x600x200 mm dia	0.00	37475.00	No.	0.00
600x600x250 mm dia	0.00	35080.00	No.	0.00
600x600x300 mm dia	0.00	35150.00	No.	0.00
600x600x350 mm dia	0.00	35200.00	No.	0.00
600x600x400 mm dia	0.00	36640.00	No.	0.00
600x600x450 mm dia	0.00	36700.00	No.	0.00
600x600x500 mm dia	0.00	37000.00	No.	0.00
600x600x600 mm dia	0.00	40615.00	No.	0.00
700x700x150 mm dia	0.00	45000.00	No.	0.00
700x700x500 mm dia	0.00	52485.00	No.	0.00
700x700x700 mm dia	0.00	53500.00	No.	0.00
750x750x100 mm dia	0.00	54000.00	No.	0.00
750x750x150 mm dia	0.00	57345.00	No.	0.00
750x750x200 mm dia	0.00	57500.00	No.	0.00
750x750x400 mm dia	0.00	57800.00	No.	0.00
750x750x450 mm dia	0.00	58000.00	No.	0.00
750x750x500 mm dia	0.00	58200.00	No.	0.00
750x750x600 mm dia	0.00	58500.00	No.	0.00
750x750x750 mm dia	0.00	60500.00	No.	0.00
LINE COLLAR				
100 mm dia	0.00	2360.00	No.	0.00
150 mm dia	0.00	3885.00	No.	0.00
200 mm dia	0.00	5545.00	No.	0.00
250 mm dia	0.00	7625.00	No.	0.00
300 mm dia	0.00	9845.00	No.	0.00
350 mm dia	0.00	6145.00	No.	0.00
400 mm dia	0.00	16190.00	No.	0.00

	450 mm dia	0.00	15380.00	No.	0.00
	500 mm dia	0.00	23270.00	No.	0.00
	600 mm dia	0.00	43070.00	No.	0.00
	700 mm dia	0.00	53635.00	No.	0.00
	750 mm dia	0.00	21590.00	No.	0.00
8.34	Providing Spun Yarn for lead joint	5.00	90.00	Kg.	450.00
8.35	Providing pig lead joint	5.00	265.00	Kg.	1,325.00
8.36	Providing, supplying, lowering, laying, jointing of MDPE pipe conforming to ISO - 4427 including compression fitting conforming to ISO/DIS 14236 such as female adopter, elbow, bend, reducer, Tee required for house service connection inclusive of all taxes, insurance, transportation, freight charge, inspection charges, hydro testing etc. complete. The item also includes dismantling of asphalt / metal road, excavation, refilling, watering, ramming, consolidating and restoration of road etc. complete.				
	(1) 20 mm dia.	10.00	243.00	No.	2,430.00
	(2) 32 mm dia.	0.00	331.00	No.	0.00
	(3) 50 mm dia.	0.00	527.00	No.	0.00
	(4) 63 mm dia.	0.00	639.00	No.	0.00
8.37	Providing, supplying and fixing Ductile Iron strap saddle inclusive of of all taxes, insurance, transportation, freight charge, inspection charges etc. complete as per the detailed specification.				
	(i) 100 to 300 mm x 15 mm	10.00	1277.41	No.	12,774.10
	(ii) 100 to 300 mm x 32 mm	0.00	1494.43	No.	0.00
	(iii) 100 to 300 mm x 50 mm	0.00	2391.08	No.	0.00
	(iv) 100 to 300 mm x 63 mm	0.00	3131.80	No.	0.00
8.38	Providing and fixing brass ferrule of approved make of following sizes inclusive of all taxes, insurance, transportation etc. complete.				

	(i) 15 mm dia.(1/2")	10.00	363.86	No.	3,638.60
	(ii) 25 mm dia.(1")	5.00	753.71	No.	3,768.55
	(iii) 40 mm dia.(1.5")	0.00	2027.22	No.	0.00
	(iv) 50 mm dia -(2").	0.00	3183.78	No.	0.00
8.39	Providing, supplying and fixing U-PVC ball Valves with compression end on one side to connect PE Pipes and female threading on the other side for connecting BSP threaded fittings or pipes. The product shall confirm to ISO 4422-4 Standards. The rate shall be inclusive of all taxes, insurance, transportation etc. complete.				
	(i) 20 mm dia.x 1/2"	10.00	277.41	No.	2,774.10
	(ii) 32 mm dia.x 1"	0.00	332.67	No.	0.00
	(iii) 50 mm dia.x 1.5"	0.00	948.64	No.	0.00
	(iv) 63 mm dia.x 2"	0.00	1273.51	No.	0.00
8.4	Cutting of Groove 5 to 7 mm thick in CC for depth 1/3 of total thickness with filling of epoxy sealant as directed by engineer in charge	3,339.00	50.00	R.M	1,66,950.00
Total of Section-8					4,42,257.50
Total of Part- (B) Drainage, Protective and Miscellaneous Works					34,96,072.93
Total of Part (A) & (B) Amount				Rs.	2,42,08,453.19

Note:--Above All Rates are exclusive of GST.

STAMP & SIGNATURE OF BIDDER

**Executive Engineer
South Zone – A (Udhana)
Surat Municipal Corporation**