RATE CONTRACT FOR CIVIL WORK, FABRICATION & STRUCTURE, IRRIGATION AND HORTICULTURE DEVELOPMENT WORKS AT WEST SIDE OF SABARMATI RIVERFRONT DEVELOPMENT PROJECT AREA.

A	**Civil**	96,40,240.00
B	**Fabrication & Structure**	1,18,72,600.00
C	**Irrigation**	1,40,38,324.00
D	**Horticulture**	43,14,675.00
	Grand Total	**3,98,65,839.00**

Estimated Quantity for One Year

Sr. No.	Item Description	Estimated Quantity	Unit	Estimated Rate	Total
	(A) Civil Work				
1	Excavation upto 1.5m: upto 1.5 m: depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	3200	Cum.	260	832000.00
2	Excavation from 1.5m to 3m depth: depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	3200	Cum.	300	960000.00
3	Breaking, demolishing & removing existing concrete work with steel cutting directed by Engineer-In-Charge	1500	Cum.	2500	3750000.00
4	Fire Brick Kerbing : 200x100x75 mm thick factory made by block making machine with strong vibratory compaction, of approved design & shape laid over 100mm thick concrete bed and hunching required for fixing complete. FIRE brick quality KR Refractory or equivalent. (Base rate of material to be considered as Rs.450/ R.mt.)	2200	R.MT	1200	2640000.00
5	Chharoo finish Providing and laying barick bat chharoo and screed GSB respectively in (80:20) ratio over sabbas including sreading in uniform layer of 200mm thickness consolidating with plate compctor or 10 ton roller watering and finishing in level and slope as shown in the drawing or as directed by engineer in charge.	980	Cum.	1488	1458240.00
				Civil Work	**96,40,240.00**
	(B) Fabrication & Structure Work				
6	Structural steel: Customised M.S. Steel column in welded ready available section in frame work including cutting, welding, grinding, hoisting, fixing in position and applying a priming coat of zinc chromate and three coats of enamel paint complete as directed by the architect, in square & round tubes, flats, tubes, plates with connecting plate or angle cleats as in main & cross beams, columns, hip and jack rafters, purlins, connected to common rafters and the like for frames, pergolas, railings, etc. as per approved detail drawings and/or as per direction of	38	M.T	130000	4940000.00

7	A1 Fence : Providing and fixing A1 'unico' make or equivalent fence 1.5 m high at 2.5 mtrs c/c. This should including cost of require base plate complete as per the instruction of Engineer-In-Charge.	1500	R.MT	3300	4950000.00
8	M.S railing : Customised M.S. Steel column in welded ready available section in frame work including cutting, welding, grinding, hoisting, fixing in position and applying a priming coat of zinc chromate and three coats of enamel paint complete as directed by the architect, in square & round tubes, flats, tubes, plates with connecting plate or angle cleats as in main & cross beams, columns, hip and jack rafters, purlins, connected to common rafters and the like for frames, pergolas, railings, etc. as per approved detail drawings and/or as per direction of Architect/Consultant and Engineer-in-Charge.	200	R.MT	6513	1302600.00
9	External paint : Providing and applying texture paint as approved by architect over 3 coats of "APEX PROTECT / whether shad" Exterior whether proof paint of approved make, including surface cleaning, filling holes, Appling two or more coats of paints over a coat of primer as per manufacturer's specifications to walls, ceilings, staging, scaffolding, curing etc. complete for all lead and lift up to satisfaction of Engineer-In-Charge	2000	Sqm	340	680000.00
				Fabrication & Structure work	**1,18,72,600.00**
			(C) Irrigation Work		
10	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 90mm 10Kg/cm2.	1500	Rmt.	592.00	888000.00
11	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 75mm 10Kg/cm2.	4400	Rmt.	448.00	1971200.00
12	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 63mm 10Kg/cm2.	600	Rmt.	346.00	207600.00
13	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 50mm 10Kg/cm2.	180	Rmt.	261.00	46980.00
14	Supply, laying & commissioning in position DWC SN8 pipe and suitable for the respective working pressures with fittings and accessories 3"	4050	Rmt.	540.00	2187000.00

15	Supply, laying & commissioning in position Plastic corrugated lateral Drain Pipe With Perforation and Synthetic Filter with fittings and accessories 80mm	4684	Rmt.	264.00	1236576.00
16	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 3/4"	93	Rmt.	218.00	20274.00
17	Earth work excavation and refilling (450 mm width x 600 mm depth)	5324	Rmt.	122.00	649528.00
18	Supply,Fixing & commissioning of 1.1/2" Ball Valve Double side/ Single Side Union uPVC, PN16 with required Fittings	52	No.	2,462.00	128024.00
19	Supply,Fixing & commissioning of 12" Valve Chamber Material 100% polypropylene with Green LID having peak load more than 15kilonewton with Handle and Antivandalism screw.	52	No.	3,479.00	180908.00
20	Supply,Fixing & commissioning of 3/4" Quick coupling valve made up of solid brass with locking cover corrosion resistant and stainless steel spring	194	No.	1,185.00	229890.00
21	Supply,Fixing & commissioning of 3/4" Quick coupling valve key with swivel elbow made up of solid brass with locking cover corrosion resistant and stainless steel spring	90	No.	1,580.00	142200.00
22	Supply,Fixing & commissioning of 6" Round Valve Box with Material 100% polypropylene with Green LID having peak load more than 15kilonewton with Handle and Antivandalism screw. Dimensions @ Top Opening 6" Dia & Bottom Opening 9" Dia. [For Hydrant]	194	No.	563.00	109222.00
23	Supply,Fixing & commissioning of 16mm copper shield emitter provides root intrusion resistance Sub surface Brown colour Drip 1.1mm Thick Class.II with required Fittings.	48000	Rmt.	79.00	3792000.00
24	Supply of Hose Pipe (3/4" - 30 Mtr Roll Heavy Duty) Made with double braiding to provide extra strength, with 12mm ID	12	Roll	5,906.00	70872.00
25	Supply,Fixing & commissioning of 3" Size Isolation Butterfly Valve with Accessories like Tail Piece, Flange, Rubber packing and Nut-Bolt.	12	No.	10,854.00	130248.00
26	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 2"	3706	Rmt.	527.00	1953062.00
27	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories	210	Rmt.	335.00	70350.00

28	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 1"	90	Rmt.	271.00	24390.00
				Irrigation work	**1,40,38,324.00**
			(D) Horticulture Work		
29	Supply of Palm (Bismarkiya Palm & Washingtonia palm and other) bag size is 25 inch x 25 inch and having height minimum 6 to 12 ft. well branched, well established & free from disease at site as per the instructions.	50	Nos.	4500.00	225000.00
30	Garden Soil Filling The good quality garden soil shall be obtained from outside which can be useful for all plants. Laying of soil shall be done in proper slope as mentioned in drawing including watering, compacting and dressing etc. complete, as directed in specifications and by engineer in charge.	500	Cum.	891	445500.00
31	GROUND COVERS - approximate @ 200 mm c/c both direction	1000	Sqm	1747	1747000.00
32	Lawn : Bermuda dibbling/Paspalumand other - Red earth to be spread on graded surface upto a depth of 75 mm and mixed with sand & manure to attain a total depth of 100 mm from the graded surface. Surface preparation by digging and mixing to attain a smooth finished surface and planting grass turf species. Rate to include supply of grass species, planting of rooted grass slips (Rate does not include supply of garden soil , sand and manure. This is to be separately quoted).	1000	Sqm	450	450000.00
33	Planting: Pits of size 600 mm x 600 mm x 600 mm filled with a mixture of garden soil, manure and sand in the ratio of 3:1:1. Rate to include supply of species of average height . Rate should include charges for : labour charges for pitting, mixing soil media, filling the pits with soil media, planting the sapling. Rate does not include supply of soil media.	100	Sqm	1300	130000.00
34	Supply of Champa Hybrid, Bamb, and other Tree 25 inch x 25 inch, well branched, well established & free from disease at site as per the instructions	50	Nos.	4500	225000.00
35	Supply of Exotic and Endengered Medicinal Plants like Insulin plant, zer kochalu and other plants having height of minimum 2.00 to 2.5 ft. and bag size is 13 inch x 13 inch, well branched, well established & free from disease at site as per the	300	Nos.	250	75000.00

36	Supply of Bougainvillea Glabra,Bougainvillea torch glory, Bougainvillea Formosa and other Bougainvellia and flowering Plants well branched, well established & free from disease at site as per the instructions height of minimum 3.00 to 5.0 ft bag size is 15 inch x 16 inch,	50	No	550	27500.00
37	Ficus Microcarpa grafted Multistem, Multiball	9	Nos.	50000	450000.00
38	Maintenance of Green Area - Complete maintenance of green area including plants with water including weeding, hoeing, watering, pruning application of good earth, manure, insecticides, fungicides & fertilizers, security of plants disposal of garden rubbish from the premises to be approved municipal dumping ground replacing casualty of plants (occurred due to any reason) by healthy plants. All the material, manpower and equipments required for maintenance shall be arranged by the contractor and water shall be provided by the department(cost of material including in the item) and nothing shall be provided by the department.	1200	Sqmt/month	51	61200.00
39	Compost (30 kg. bag)	15	Nos.	400	6000.00
40	Cocopeat	150	Kg.	45	6750.00
41	Supply of Artificial Lawn	150	Sqmtr	977	146550.00
42	Supply and apply of Jiv Amrut microbial culture	150	Ltr.	85	12750.00
43	Chlorpyrifos 20% EC	150	Ltr.	545	81750.00
44	Carbendazin 12% + Mencozeb 63%	60	Kg.	795	47700.00
45	Glyposate 41% SL	60	Ltr.	795	47700.00
46	Profenofos+ Cypermetrin 4% EC	60	Ltr.	990	59400.00
47	IBA	25	Ltr.	420	10500.00
48	Sunrise (Herbicide)	25	Kg.	880	22000.00
49	Mohuk (Herbicide)	25	8 gm	120	3000.00
50	Fertilizer 19:19:19	25	Kg.	250	6250.00
51	Nitrobenzine	25	Ltr.	600	15000.00
52	Mrudajivan	25	Ltr.	525	13125.00
				Horticulture Work	**43,14,675.00**
				Total without GST	**3,98,65,839.00**