

SABARMATI RIVERFRONT DEVELOPMENT CORPORATION LTD.**PARKS & GARDEN DEPARTMENT**

Name of Work :- Plantation and Maintenance work, Water Operation Work, Civil Work and Fabrication Work at East and West side Different Location of Upper Promenade of Sabarmati River Front Development Project Area. (SRFDCL)

SUMMARY OF BOQ

SR.NO.	ITEM	AMOUNT
1	Plantation & Maintenance Work	7,59,26,900.00
2	Water Operation Work (Irrigation)	50,29,603.00
3	Civil Work	63,95,200.00
4	Fabrication Work	23,92,600.00
	TOTAL(EXCLUDING GST)	8,97,44,303.00

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BILL OF QUANTITIES

Sr. No.	Description	Quantity	Unit	Rate (In Rs.)	Total amount (In Rs.)
(A) Plantation & Maintenance Work					
1	EXCAVATION WORK	12500	Cum	97	1212500.00
	The land for the landscape development shall be cleared of all waste vegetation other than the existing trees. The removal of existing roots of small plants and stumps shall be removed upto 90 cm. Removing debris of previously executed civil works upto 100mm depth wherever required as directed by EIC and disposing off the debris anywhere outside the site premise is required. The place of disposal shall be directed by engineer in-charge.				
2	Disposing of the surplus excavated earth and/ or debris etc. including loading at site, transporting by mechanical or manual means & disposal, unloading, spreading and dressing and compacting with required capacity of roller as approved by Officer in charge beyond the initial lead of 50 m and lifts, etc complete. (Item shall be executed where disposal of earth is not included in relevant items) a) up to 5 km.	12500	Cum	215	2687500.00
	Garden Soil Filling				

3	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 per mention in drawing including watering, compacting and dressing etc. complete, as directed.	8800	Cum	650	5720000.00
4	Anti termite treatment of garden area through premise 30.50% I P. one liter premise diluted in 499 liters water and applying solution @ 1.00 litre solution per sqm lawn or bed area.(two application) i/c cost of chemical)and as per direction of officer-in-charge.	12500	sqm	8	100000.00
5	Supply and apply of Coco peat at specified site. (F.O.R. Rates including transportation cost.)	322	Ton	21750	7003500.00
6	Supply and apply of Rice Husk at specified site. (F.O.R. Rates including transportation cost.)	70	Ton	7250	507500.00
7	Supply and apply of Rice Straw for Mulching at specified site. (F.O.R. Rates including transportation cost.)	70	Ton	7580	530600.00
8	Supply and apply of Jiv Amrut microbial culture to enhance soil microbial activity at specified site. (F.O.R. Rates including transportation cost.)	48000	Ltr.	125	6000000.00
9	Supply and apply of Organic Manure, free of plastic and other waste, well rotten, at specified site. (F.O.R. Rates including transportation cost.)	322	Ton	17400	5602800.00
10	PLANTATION Supplying and planting fresh and healthy plants of 2-3 ft. Height with all material including transporting and labouring and all othe inclusive.	62500	Nos	85	5312500.00
	Syzygium cumini		Nos		
	Terminalia catappa		Nos		
	Polyalthia longifolia		Nos		
	Phyllanthus emblica		Nos		
	Peltophorum pterocarpum		Nos		
	Azadirachta indica		Nos		
	Bambusa vulgaris		Nos		
	Neolamarckia cadamba		Nos		
	Lagerstroemia indica		Nos		
	Cassia fistula		Nos		
	Cassia siamea		Nos		
	Mangifera indica		Nos		
	Acacia auriculiformis		Nos		
	Casuarina equisetifolia		Nos		
	Annona squamosa		Nos		
	Ficus religiosa		Nos		
	Ailanthus excelsa		Nos		
	Cordia sebestena		Nos		
	Alstonia scholaris		Nos		
	Manilkara hexandra		Nos		

	Moringa oleifera		Nos		
	Pongamia pinnata		Nos		
	Terminalia arjuna		Nos		
	Butea monosperma		Nos		
	Saraca asoca		Nos		
	Morus nigra		Nos		
	Thespesia populana		Nos		
	Ceiba pentandra		Nos		
	Sterculia fotida		Nos		
	Terminalia bellirica		Nos		
11	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. (This Rates are include with water), Materials for Horticulture work will be paid Extra as per Appendix 6.	12,50,000.00	Sqmt/month	33	4,12,50,000.00
Plantation & Maintenance Work					7,59,26,900.00

Sr. No.	Description	Quantity	Unit	Rate (In Rs.)	Total amount (In Rs.)
(B) Water Operation Work (Irrigation)					
12	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 90mm 10Kg/cm2.	600	Rmt.	592.00	355200.00
13	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 75mm 10Kg/cm2.	600	Rmt.	448.00	268800.00
14	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
15	Supply, laying & commissioning in position PVC pipe and suitable for the respective working pressures with fittings and accessories 50mm 10Kg/cm2.	300	Rmt.	261.00	78300.00
16	Supply, laying & commissioning in position DWC SN8 pipe and suitable for the respective working pressures with fittings and accessories 3" Size	600	Rmt.	540.00	324000.00

17	Supply, laying & commissioning in position Plastic corrugated lateral Drain Pipe With Perforation and Synthetic Filter with fittings and accessories 80mm	600	Rmt.	264.00	158400.00
18	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 3/4"	30	Rmt.	218.00	6540.00
19	Earth work excavation and refilling (450 mm width x 600 mm depth)	2500	Rmt.	122.00	305000.00
20	Supply,Fixing & commissioning of 1.1/2" Ball Valve Double side/ Single Side Union uPVC, PN16 with required Fittings	18	No.	2,462.00	44316.00
21	Supply,Fixing & commissioning of 12" Valve Chamber Material 100% polypropylene with Green LID having peak load more than 15kilonewton with Handle and Antivandalism screw.	28	No.	3,479.00	97412.00
22	Supply,Fixing & commissioning of 3/4" Quick coupling valve made up of solid brass with locking cover corrosion resistant and stainless steel spring	80	No.	1,185.00	94800.00
23	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	38	No.	1,580.00	60040.00
24	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]	80	No.	563.00	45040.00
25	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.	24000	Rmt.	79.00	1896000.00
26	Supply of Hose Pipe (3/4" - 30 Mtr Roll Heavy Duty) Made with double braiding to provide extra strength, with 12mm ID	6	Roll	5,906.00	35436.00
27	Supply,Fixing & commissioning of 3" Size Isolation Butterfly Valve with Accessories like Tail Piece, Flange, Rubber packing and Nut-Bolt.	6	No.	10,854.00	65124.00
28	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 2"	1800	Rmt.	527.00	948600.00
29	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 1.1/4"	80	Rmt.	335.00	26800.00

30	Supply, laying & commissioning in position UPVC Sch.80 pipe and suitable for the respective working pressures with fittings and accessories 1"	45	Rmt.	271.00	12195.00
Water Operation Work (Irrigation)					50,29,603.00

Sr. No.	Item Description	Estimated Quantity	Unit	Estimated Rate	Total
(C) Civil Work					
31	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	1000	Cum.	260	260000.00
32	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	1000	Cum.	300	300000.00
33	Breaking, demolishing & removing existing concrete work with steel cutting directed by Engineer-In-Charge	2000	Cum.	2500	5000000.00
34	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.)	200	R.MT	1200	240000.00
35	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.	400	Cum.	1488	595200.00
Civil Work					63,95,200.00

Sr. No.	Description	Quantity	Unit	Rate (In Rs.)	Total amount (In Rs.)
(D) Fabrication Work					

36	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 Architect/Consultant and Engineer-in-Charge.	2	M.T	130000	260000.00
37	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.	200	R.MT	3300	660000.00
38	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
39	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, Applying 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	500	Sqm	340	170000.00
Fabrication Work					23,92,600.00