

SABARMATI RIVER FRONT DEVELOPMENT CORPORATION LTD (SRFDCL)					
Volume-3 Section -6 BILL OF QUANTITIES					
Name of Work :- Guniting, grouting & strengthening for old diaphragm walls structures at East & West bank in sabarmati river of Sabarmati Riverfront Development Project.					
SUMMARY SHEET					
Sr. No.	Sub Section				Amount in Rs
1					4423339.73
	I / We am / are willing to carry out work at _____% above / below*				
	Note : * Please strike out above or below, whichever is not applicable.				
	1. No extra payment shall be paid for material testing, soil testing and any other tests as				
	2. The unidentified utilities shall be shifted or reconstructed as per prevailing S.O.R rates of				
Sr. No.	Description	Quantity estimate d but may be more or less	Unit	Estimated Rate (In Rs.)	Total amount (In Rs.)
1	Providing form work 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 4M. 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.	100.00	Sqm	171.68	17168.00
2	Providing and applying external finish of average 2 to 2.5mm thick acrylic polymer based texture and pattern with standard tool and applicator as specified by manufacturer on exterior surfaces at all heights including scaffolding to give even shades including thoroughly brushing the surfaces free from mortar dropping and other foreign matter and sand paper smoothed etc. complete as per the manufacture specifications and up to the satisfaction of Engineer in-charge/ Architect. The rate includes making of grooves, pattas and finishing as directed by Architect/ EIC. Paint shall be measured and paid in separate tender item.	1,500.00	Sqm	356.00	534000.00
3	Providing, supplying and operating required vehicals/ mashinaries on riverfront for diff. maintanance work including diesel, driver etc. all complete for working 8 hrs. Shift as directed by engg. Incharge.				0.00
	(A) For JCB	20.00	Shift	6400.00	128000.00
	(B) Welding machine including welder	15.0000	Shift	2500.00	37500.00
	(C) Electric Breacker with operator	15.00	Shift	1800.00	27000.00
	(D) For Tractor with Trolly	25.00	Shift	1500.00	37500.00
	(E) Rent of DG Set per shift in (with diesel)	15.00	Shift	1695.00	25425.00
4	Sealing of crack / porous concrete with Epoxy Grout by injection through nipples complete as per MORTH Clause 2803.1	500.00	Kg	787.00	393500.00
5	Providing Surface preparation for the damaged concrete members by removing loose, cracked and unsound concrete to expose steel reinforcement completely using heavy duty mechanical breakers with the depth of cutting extended beyond 10mm of main reinforcement followed by cleaning the surface using High-pressure water jet at suitable pressure to remove all loose particles, organic matter, marine growth and impurities from the concrete surface making it suitable for repair inclusive all Manpower, Material and Equipment.	1044	Sqm	290.00	302760.00

6	Providing and laying of polymer modified micro concrete like Renderoc RG (L) of Fosroc / Master emaco S346 / T 288 of BASF / or SIKA equivalent with washed saturated surface dry (SSD), graded, low absorption, high density, aggregates of size 5 mm to 10 mm at 30 % minimum by weight of micro concrete and water at 4 lit. per 25 kg bag and pouring into the form work using suitable arrangement or if required using pumping device for uniform flow of micro concrete. The side shuttering can be removed after 3 days and bottom shuttering after 7 days ensuring proper bond between the micro concrete and the existing concrete sub strate. Item rate is inclusive of the materials all labor, supervision, tools and tackles and transportation including shuttering etc. complete as per specification and as directed by EIC. (Considering Avg. Thickness of 150 mm)	22.00	Cmt	51776.00	1139072.00
7	Guniting concrete surface with cement mortar applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification. (Reference to MORT&H's specification 2807)	1000.00	Smt	775.68	775680.00
8	Providing and laying of cement concrete of R.C.C.M25 grade as per the specifications for base slab and key of RCC retaining wall, any other structure for encasing of underground services as per drawing and as directed by the Engineer in Charge. Rate shall include cost of formwork but exclude cost of reinforcement.	175.00	Cum.	4238.04	741657.00
9	Cutting and making of groove on RCC surface at specified distance as per the drawing by mechanical saw. Groove/sawed joints shall be made of 6 mm width and 25 to 50 mm depth as shown in the drawing. The sawing operation should be carried out as directed by Architect and Engineer-in-charge. The rate shall be inclusive of labour, grooves, machinery cost and clearing of all debris & loose material from the site (Sample to be approved) A) RCC Wall	50	Rmt.	80.00	4000.00
10	Dismantling of structure. The contractor rate includes all necessary machinery, labour for dismantling, constructing of ring bund, shoring, strutting, dewatering, finishing the broken edges, etc. complete as instructed by engineer In charge including disposing of dismantled material with all lead and lift. a) PCC/DLC	1.00	Cum.	603.23	603.23
	b) RCC	100.00	Cum.	1047.38	104738.00
	C) Steel Structures/ works	455.24	Kgs	3.63	1652.50
11	Providing and fixing TMT-Fe-500 ISI make reinforcement bar for R.C.C. work including bending binding and placing in position complete up to any level.	1.00	MT	71134.00	71134.00
12	Providing and supplying departmental labour for all type of work including all tools and tackles.	100.00	Nos	497.50	49750.00
13	Providing and supplying departmental supervisor/mason/fabricator for all type of work including all tools and tackles.	25.00	Nos	1288.00	32200.00
Sub Total of Subject : 6.1 Civil Works_Bill of Quatities					4423339.733