

TENDER VOLUME -3 BOQ- VI

Bill of Quantity

Name of Work: TREE PLANTATION WORK AT VASNA BIODIVERSITY PARK FOR SABARMATI RIVERFRONT DEVELOPMENT PROJECT.

Sr. No.	Description	Quantity	Per	Unit Rate (Rs.)	Amount (Rs.)
[A]	PLANTATION WORK				
1	EXCAVATION WORK The land for the landscape development shall be cleared of all waste vegetation other than the unwanted 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 Incharge of Garden Department and disposing off the debris anywhere outside the site premise is required. The place of disposal shall be directed by engineer in-charge.	5000	cum	97.00	485000.00
2	TREE PLANTATION Supplying and planting of trees of specified variety attached here with seprate sheet in digging of Tree pit dia 30 cm & depth 30 cm prepared tree pit including pesticides, termite treatment, and planting of mature tree saplings (height minimum 6-9 ft. or above as approved) with mixing the FYM @ 30 % and garden soil @ 70 % completed for each pit. Tree plantation should be carried on neatly accurately dieses free and fresh with healthy condition. Tree Saplings planted perfection as per drawing and instruction given by the Incharge of Garden Department. Plants shall be planted by manual/ mechanical means and rate shall be inclusive of all material, labour, equipments as per description. Plant must be supply in bag size of 13" X 13" or above. Plastic bags or pots should be removed carefully and soil around the roots should not be dropped or disturbed much. Rates for mortality to be inclusive. Work shall be done as shown in the drawing or as directed and approved by SRFDCL Garden Department.	60500	Nos.	508.00	30734000.00

3	GROUND COVER & SHRUB PLANTATION	60500	Nos.	95.00	5747500.00
	Supplying and planting well grown shrub plants and ground cover plants variety attached here with seprate sheet of height is minimum 2-6 ft. and bag size 8 x 10 or above and planting as per drawing by providing and mixing soil with FYM (@ 2kg /1 Sqm) or mixture of decayed neem cake and tobacco powder in depth of digging pit as per instruction with soil pesticide & insecticide. Plants must should be disease free and fungus free in 8"x 10" polythene bag or pots. Plastic bags or pots should be removed carefully and soil around the roots should not be dropped or disturbed much. Mortality rates to be inclusive. Work shall be done as shown in the drawing or as directed and approved by SRFDCL Garden Department.				
4	Supplying and Installation of 10 HP (10 mtr. Head) Non-clog sewage submersible pump sets with related electrical & mechanical accessories with complete. Make : MBH / Kirloskar / Aqua. / Pullen. / K.S.B./ Kishore / GRUNDFOS / ABS	2	Nos.	167400.00	334800.00
5	Supplying and Installation Testing of Plastic Polymer sheet 500 micron HDP (High Density Polythene - Vergine Material) plastic sheet comelete with all expensive.	2500	Kg.	130.00	325000.00
6	Excavation and Leveling unused materials by JCB like building rubbish, rock, sludge, murrum, manual garbage, fly ash of plantation earth area.	150	Hrs.	800.00	120000.00
7	Conveyance Charge of earth (As per design in the cleaned earth site work as per sr. no.9) from site to the location as instruction by department lead up to 5.0 to 10.0 km. Rate including for loading, unloding by any means as requiried at site for dumper required capacity 12-15 cmt.	100	Turn	2000.00	200000.00
[B]	Irrigation Work				
8	Piping Network				
8.1	Providing & Fixing of PVC pipes (ASTM STANDARD), and fittings & Accessories like tees, elbows, bends, junctions, Reducers with support claim at existing structure etc; as required/directed at site Make: Finolex, Supreme, Astral				
8.2	PVC 75 mm x 6 Kg/cm2	600	Rmt.	354.00	212400.00
8.3	PVC 63 mm x 6 Kg/cm2	2100	Rmt.	283.00	594300.00
8.4	PVC 50 mm x 6 Kg/cm2	1050	Rmt.	265.00	278250.00
9	VALVES & ACCESSORIES				

9.1	Providing & Fixing of Isolation Valve in mainline for Pressure Regulating Valve 2" Make:- LP, zoloto	3	Nos.	3894.00	11682.00
9.2	Providing & Fixing of a double acting 1" Double Acting Air cum Vacuum Release Valve Make: Bermad/ARI/Plasson with GM valve 1" Make: NIBCO/Zoloto including service saddle and riser assembly. The Air release valve shall be capable both releasing and admitting air from and into the line. The working pressure shall be 5 bar.	3	Nos.	4815.00	14445.00
9.3	Providing & Fixing of 7" Round Valve box with greenlid and corrugated structure with unique shovel access slot and bolt hole knockout. Make :- rain/equ	60	Nos.	1003.00	60180.00
9.4	Providing & Fixing of Quick coupling valve made up of solid with locking cover and key corrosion resistant and stainless steel spring. Including service saddle and riser assembly.	60	Nos.	3545.00	212700.00
10	PUMPING UNIT				
10.1	Providing, Pump Set giving flow of 2.5 lps at 32 m head complete Set (1 working + 1 stand By) with Pressure Tank, Panel & all required accessories. Make: Grundfos/ITT/Lubi	2	Nos.	254520.00	509040.00
10.2	Providing & Fixing of Control Valve / Butterfly valve 3" in mainline for bypass and flow diversion of approved Quality. Make :- LP/zoloto	2	Nos.	10650.00	21300.00
10.3	Providing & Fixing of Non Return Valve to prevent back flow 3"	1	Nos.	11057.00	11057.00
11	Excavating, Laying, Jointing & Commissioning PVC Pipes from 75mm OD to 25mm OD, Trench Size minimum 600mm Deep for Main Lines, 300mm to 450mm Deep for Submain Lines, Backfilling with compaction and removing excess soil up to 50m Lead from site. Includes Installation & Commissioning of all Irrigation hardwares like Valves, Saddles, Swing Joints, Valve Boxes, Filter Unit etc. Items Complete as per specifications, instruction & directions of the SRFDCL Garden Department.	6000	Mtr.	119.00	714000.00
[C]	MAINTENANCE OF GREEN AREA				

12	Complete maintenance of green area including plants with water for 60 months including stacking, spraying, threding, weeding, hoeing, watering, pruning, trimming application of good earth, manure, insecticides, pesticides, fungicides, Weedicides & fertilizers, security of plants. Disposal of garden rubbish from the premises to be approved municipal or any other instructed dumping site 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. The maintenance period will start after 45 days from the 100 % work completion including necessary civil, plumbing, irrigation and electrical work.	60,500	Sq.mtr/month	11.00	39930000.00
Grand Total Rs.					80515654.00