Details of Procurement forecast of Surat Metro Rail Project

Details	Subsystems	FY 2021				FY 2022 (in INR Cr)	FY 2023 onwards (in INR Cr)	Remarks
		Apr. ~ Jun. (in INR Cr)	Jul. ~ Sep.. (in INR Cr)	Oct. ~ Dec. (in INR Cr)	Jan. ~ Mar. (in INR Cr)			
System	Rolling Stock				67.20	134.40	470.41	
	Traction				0.00	239.16	444.16	
	Lifts				0.00	15.21	136.91	
	Escalators				0.00			
	Depot E&M work					10	20	
	Station E&M Work					75.00	673.00	
	UG-E&M,ECS,TVS work.				0.00	32.55	292.96	
Signalling and Telecommunication	Signalling				16.98	50.94	237.74	
	Telecom				20.77	62.30	124.60	
	Automatic Fare Collection				16.69	35.00	100.00	
	Platform Screeen Door					6.65	126.35	
Mechanical (Plant & Machineries)	Under Floor Wheel Lathe with Electric Shunter						11.58	
	Pit Jacks and Mobile Lifting Jacks						16.30	
	Electric Bogie Tractor						6.11	
	RRV with Re- Railing Rescue Equipments						8.77	
	Battery powered Electric Locomotive						6.74	
	Bogie Turn Table						1.90	
	Train Wash Plant						3.76	
	Rail fed Bogie wash plant						0.2	
	Work lift platform						1.46	
	Electric bogie tractor for pulling cars and bogies inside workshop						6.6	
	Chemical cleaning tanks, ultrasonic cleaning tanks, etc						0.1	
	Compressor for Inspection shed & shop air supply						1	
	EOT Creane						6.5	
	Mobile Jib Crane						0.38	
	Mobile lifting table						0.24	
	Carbody stands						0.2	
	Underframe & Bogie blowing plant & smallparts/equipment						8.8	
	AC filter cleaning machine						0.51	
	Portable cleaning plant for rolling stock						0.05	
	High-pressure washing pump for front and rear end cleaning of car						0.44	
	Industrial furniture (Work Test Benches)						0.1	
	Minor diagnostic equipment and collective tools						0.1	
	Induction heater						0.06	
	Oven for the motors						0.1	
	EMU battery charger						0.16	
	Welding equipments (Mobile welding, oxyacetylene, fixed arc welding)						0.06	
	Electric and pneumatic tools						0.1	
	Measuring and testing equipment							
	Tool Kits							
	Mobile safety steps						0.1	
	Fork lift tractor						0.8	
	Pallet trucks						0.02	
	Road vehicles (pickup van/ truck)						0.3	
	Miscellaneous office equipments						0.1	
	Vertical Boring Mainline for wheel discs						2.77	
	Press for removal and pressing of the wheel on axles						3.6	
	Special jigs and fixtures and test benches for Rolling stock						0.2	
	Stackers (1T for DCOS)						1.3	
	Storage Racks (W/shop & DCOS stores)							
	Test benches							
	Auto collector Strip Thickness meter							
	Vehicle mounted Crane						0.8	
	Impulse Tester for TMs						0.2	
	Bearing puller							
	Traction motor Cleaning booth						0.06	
	Dummy Bogies						3.84	
	Axle Shaft Insoection Station						0.8	
	DG Set 630 KVA						0	
	Vertical carousel storage system						0.64	
	Computer MMIS for the shed						0.6	
	Storage system and racks						1.6	
	Driving Cab Simulator						15.5	

Details Of Civil Packages

Sr. No.	Proposed Packages (Civil)	Estimated Cost (Cr.)	Cement	Steel	Structural Steel	Granite, Aggregates & Miscelleneous	Material- Total	2021	2022	2023	2024	2025
1	**Bhesan Depot incl. OCC and associated E & M works**	177.9	24.906	53.37	10.674	26.685	115.635	23.13	34.69	34.69	23.13	
2	**Corridor-1 Package-2 Kapodra Ramp to Sarthana dead end (Viaduct+4 stations)including labour component of nosie barrier fixing andGeo technical Investigation & Soil testing *Station civil work to be funded by AFD/KFW**	189.18	26.4852	56.754	11.3508	28.377	122.967	18.45	49.19	43.04	12.30	
3	**Corridor- 2 Package -1 Elevated Corridor (Bhesan dead end to Majura Gate) (Viaduct+ 9 stations) including River bridge including Supply and fixing of noise barrier**	532.89	74.6046	159.867	31.9734	79.9335	346.3785	34.64	138.55	121.23	51.96	
4	**Corridor- 2 Package -2 Majura gate to Saroli Dead End (Viaduct+ 7 stations) including Supply and fixing of noise barrier**	414.32	58.0048	124.296	24.8592	62.148	269.308	26.93	107.72	94.26	40.40	
5	Corridor -1 Package- 1 Dream City dead end to Chowk Bazar Ramp (Viaduct & 7 Stations)	708.47	99.1858	212.541	42.5082	106.2705	460.5055	92.10	184.20	161.18	23.03	
6	Construction of Dream City Depot	139.14	19.4796	41.742	8.3484	20.871	90.441	18.09	36.18	31.65	4.52	
7	Staff quarters (Dream city dead end to Sarthana)	41.29	5.7806	12.387	2.4774	6.1935	26.8385	1.34	8.05	1073.54	5.37	
8	Underground Package-1 Chowk Bazar Ramp to Surat Railway Station	937.14	131.1996	281.142	56.2284	140.571	609.141	60.91	182.74	213.20	152.29	
9	Underground package-2 Surat Railway Station to Kapodra Ramp	976.52	136.7128	292.956	58.5912	146.478	634.738	63.47	190.42	222.16	158.68	
10	Elevated stations 20 no.	697.33	97.6262	209.199	41.8398	104.5995	453.2645	45.33	181.31	158.64	67.99	
11	5 Stations	148.77	20.8278	44.631	8.9262	22.3155	96.7005	9.67	38.68	33.85	14.51	
12	Permanenet way	481.3	67.382	144.39	28.878	72.195	312.845		72.20	168.46	144.39	96.26
13	DDC-Dream city dead end to Kadarsha ni Nal Ramp (Elevated Corridor & Dream City Depot)											
14	DDC – Kapodra Ramp to Sarthana dead end											
15	DDC – Bheshan dead end to Saroli dead end) (including Bheshan Depot)											
16	Geotechanical investigation & Soil Testing											
17	Topographical Survey work(Bheshan to Saroli)											
18	Topographical Survey work (Sarthana to Dream City)											