

## PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
<b>Financial Year 2020-21</b>					
1	Reinforcement Steel	TMT reinforcement steel of Fe-500D grade	17011.4	Tonnes	5954
2	Structural Steel	steel including micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work	872	Tonnes	331
3	Prestressing strands	Uncoated stress relieved low relaxation steel conforming to IS-14268 class-2	616.5	Tonnes	321
4	Stainless steel	SAE 304 stainless steel	52.3	Tonnes	78
5	Head Hardened Rail	UIC-60 1080 Grade Head Hardened rails as per IRS T-12	752.8	Tonnes	527
6	Cement -OPC	Ordinary Portland Cement Grade 53	28905	Tonnes	1734
7	Slag Cement	Portland Slag Cement	33003	Tonnes	1914
8	Point Machines	Non trailable point machines with other accessories 3φ 380/400V AC	4	Nos.	56
9	Axle Counters	High frequency Axle counter multi-section type complete system.	14	Nos.	69
10	PDC	Power Distribution Cubicle/ Input Distribution Cabinet	4	Nos.	35
11	Power Cables	Various types	22	Km	24
12	Traction Transformer	2600 KVA	3	Nos	166
13	Auxiliary Transformers	500 KVA, 1000 kVA	10	Nos	196
14	Rectifiers	2.5MVA / 12 /24 pulse ; series/ parallel	3	Nos	89
15	Cables	33kV - 240 sqmm copper	22	Km	493
<b>Financial Year 2021-22</b>					
1	Reinforcement Steel	TMT reinforcement steel of Fe-500D grade	34392.1	Tonnes	12037
2	Structural Steel	steel including micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work	13797.2	Tonnes	5243

## PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
3	Prestressing strands	Uncoated stress relieved low relaxation steel conforming to IS-14268 class-2	9256.5	Tonnes	4813
4	Stainless steel	SAE 304 stainless steel	687.2	Tonnes	1031
5	Head Hardened Rail	UIC-60 1080 Grade Head Hardened rails as per IRS T-12	1194.4	Tonnes	836
6	Cement -OPC	Ordinary Portland Cement Grade 53	59245	Tonnes	3555
7	Slag Cement	Portland Slag Cement	49987	Tonnes	2899
8	Various types of LV cables & wires	Comprising of 1 core FRLS type insulated copper wires of 1100 Volt grade, ranging from 2.5 Sq.mm to 6.0 Sq.mm and multi core insulated armoured cables of 1.1 kV Grade, ranging from 10 Sq.mm upto 400 Sq.mm	3	Per Station	330
9	LV/HV Panels/ Distribution Boards/ Switch Boards	Comprising of 415V operated, LT Panels - 10 Nos., DB's - 23 Nos. and Switch Boards - 32 Nos. in an average per station	3	Per Station	360
10	DG Sets with AMF panel	250 KVA with AMF panel	3	Per Station	60
11	Escalators	Heavy duty, assorted rise varying from 4 mtrs - 14mtrs with a speed of 0.5mtr/sec.	12	Nos	840
12	Elevators	13 passenger & 21 passenger capacity, rise varying from 4 mtrs to 12 mtrs with a speed of 1mtr/sec	12	Nos	420
13	Point Machines	Non trailable point machines with other accessories 3 $\phi$ 380/400V AC	8	Nos.	112
14	Axle Counters	High frequency Axle counter multi-section type complete system.	24	Nos.	118
15	PDC	Power Distribution Cubicle/ Input Distribution Cabinet	3	Nos.	26

## PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
16	Power Cables	Various types	45	Kilometers	50
17	Fiber Optic Transmission System	96 Core OFC Cables(FRS/LSZH) and Gigabit Ethernet career grade L2/L3 switches	3	Nos	146
18	Tetra Radio System	Digital TETRA Radio System including BTS, fixed & Portable subscriber Radio units	3	Nos	250
19	Telephone System	IP-PBX which includes Media Gateways, IP/digital telephones, Emergency Help phones	3	Nos	187
20	Closed Circuit Television System(CCTV)	IP Cameras, Network Video Recorders, Video Analytics and Video Mgmt System	3	Nos	318
21	PIDS/PAS System	TFT/LED display boards for concourse and Platform. Integrated PA/PIDS system including station equipment and analogue/digital speakers and HMIs	3	Nos	311
22	Master Clock System	Sub Master clock, Digital Indoor/Out door clock	3	Nos	52
23	Security Products	Xray baggage system, DFMD, HHMD	3	Nos	56
<b>Financial Year 2022-23</b>					
1	Reinforcement Steel	TMT reinforcement steel of Fe-500D grade	26104.4	Tonnes	9137
2	Structural Steel	steel including micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work	1332.8	Tonnes	506
3	Prestressing strands	Uncoated stress relieved low relaxation steel conforming to IS-14268 class-2	896	Tonnes	466
4	Stainless steel	SAE 304 stainless steel	66	Tonnes	99
5	Head Hardened Rail	UIC-60 1080 Grade Head Hardened rails as per IRS T-12	1344	Tonnes	836
6	Cement -OPC	Ordinary Portland Cement Grade 53	45920	Tonnes	2755
7	Slag Cement	Portland Slag Cement	54040	Tonnes	3134
8	Rolling Stock				

**PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)**

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
9	Design & supply of 3 Nos 3-car Train sets i.e., 9 cars	Design, manufacture, supply, Testing & commissioning of SG, 16 T, 750V DC Traction	9	Nos	7200
10	Various types of LV cables & wires	Comprising of 1 core FRLS type insulated copper wires of 1100 Volt grade, ranging from 2.5 Sq.mm to 6.0 Sq.mm and multi core insulated armoured cables of 1.1 kV Grade, ranging from 10 Sq.mm upto 400 Sq.mm	11	Per Station	1210
11	LV/HV Panels/ Distribution Boards/ Switch Boards	Comprising of 415V operated, LT Panels - 10 Nos., DB's - 23 Nos. and Switch Boards - 32 Nos. in an average per station	11	Per Station	1320
12	DG Sets with AMF panel	250 KVA with AMF panel	11	Per Station	220
13	Escalators	Heavy duty, assorted rise varying from 4 mtrs - 14mtrs with a speed of 0.5mtr/sec.	44	Nos	3080
14	Elevators	13 passenger & 21 passenger capacity, rise varying from 4 mtrs to 12 mtrs with a speed of 1mtr/sec	44	Nos	1540
15	Point Machines	Non trailable point machines with other accessories 3φ 380/400V AC	8	Nos.	112
16	Axle Counters	High frequency Axle counter multi-section type complete system.	55	Nos.	271
17	PDC	Power Distribution Cubicle/ Input Distribution Cabinet	12	Nos.	106
18	Power Cables	Various types	84	Km	92
19	Fiber Optic Transmission System	96 Core OFC Cables(FRS/LSZH) and Gigabit Ethernet career grade L2/L3 switches	5	Nos	243

## PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
20	Tetra Radio System	Digital TETRA Radio System including BTS, fixed & Portable subscriber Radio units	5	Nos	417
21	Telephone System	IP-PBX which includes Media Gateways, IP/digital telephones, Emergency Help phones	5	Nos	312
22	Closed Circuit Television System(CCTV)	IP Cameras, Network Video Recorders, Video Analytics and Video Mgmt System	5	Nos	530
23	PIDS/PAS System	TFT/LED display boards for concourse and Platform. Integrated PA/PIDS system including station equipment and analogue/digital speakers and HMIs	5	Nos	518
24	Master Clock System	Sub Master clock, Digital Indoor/Out door clock	5	Nos	87
25	Security Products	Xray baggage system, DFMD, HHMD	5	Nos	93
26	Traction Transformer	2600 KVA	11	Nos	609
27	Auxiliary Transformers	500 KVA, 1000 kVA	24	Nos	471
28	Power Transformers for RSS	110/33 kV - 20/25 MVA, 25/31.25 MVA	2	Nos	538
29	Rectifiers	2.5MVA / 12 /24 pulse ; series/ parallel	11	Nos	325
30	Cables	33kV - 240 sqmm copper	75	Km	1680
31	Cables and Accessories	220 kV -1000 sqmm copper, 110KV, 630 sqm	16.5	Km	528
<b>Financial Year 2023-24</b>					
1	Reinforcement Steel	TMT reinforcement steel of Fe-500D grade	6526.1	Tonnes	2284
2	Structural Steel	steel including micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work	333.2	Tonnes	127
3	Prestressing strands	Uncoated stress relieved low relaxation steel conforming to IS-14268 class-2	224	Tonnes	116
4	Stainless steel	SAE 304 stainless steel	16.5	Tonnes	25
5	Rail	UIC-60 1080 Grade Head Hardened rails as per IRS T-12	537.6	Tonnes	836

## PROCUREMENT PROJECTION- FY 2020-21 TO FY 2023-24 (PROJECTS and SYSTEMS)

**Disclaimer: The below information is purely indicative and the Department of MoHUA / Kochi Metro Rail Limited will not be liable to any potential bidder for any decision taken / not taken on the basis**



SI No	Description of Item	Broad Specification Parameters	Quantity	Accounting Unit(Nos./Kilometers/Tonnes)	Estimated value of Procurement in Lakhs (INR)
6	Cement -OPC	Ordinary Portland Cement Grade 53	11480	Tonnes	689
7	Point Machines	Non trailable point machines with other accessories 3φ 380/400V AC	6	Nos.	84
8	Axle Counters	High frequency Axle counter multi-section type complete system.	55	Nos.	271
9	PDC	Power Distribution Cubicle/ Input Distribution Cabinet	10	Nos.	88
10	Power Cables	Various types	84	Km	92
11	Fiber Optic Transmission System	96 Core OFC Cables(FRS/LSZH) and Gigabit Ethernet career grade L2/L3 switches	6	Nos	292
12	Tetra Radio System	Digital TETRA Radio System including BTS, fixed & Portable subscriber Radio units	6	Nos	500
13	Telephone System	IP-PBX which includes Media Gateways, IP/digital telephones, Emergency Help phones	6	Nos	374
14	Closed Circuit Television System(CCTV)	IP Cameras, Network Video Recorders, Video Analytics and Video Mgmt System	6	Nos	636
15	PIDS/PAS System	TFT/LED display boards for concourse and Platform. Integrated PA/PIDS system including station equipment and analogue/digital speakers and HMIs	6	Nos	622
16	Master Clock System	Sub Master clock, Digital Indoor/Out door clock	6	Nos	104
17	Security Products	Xray baggage system, DFMD, HHMD	6	Nos	111