

**Upcoming Tenders  
for  
Orange Line**

**EMPLOYERS OVERALL OPERATION, MANAGEMENT AND MAINTENANCE PLAN TO OPERATE METRO RAIL TRANSIT SYSTEM ON THE ORANGE LINE IN LAHORE (ALI TOWN TO DERA GUJRAN)**

SR. NO.	GROUPS FOR TENDERING	COMPONENTS		
		OVERALL MAINTENANCE MANAGEMENT SERVICES	OPERATIONS SERVICES	MAINTENANCE SERVICES
1.	<ul style="list-style-type: none"> <li>• Overall Maintenance</li> <li>• System Operation</li> <li>• Track Maintenance</li> <li>• Rolling Stock Maintenance</li> </ul>	YES	YES	NO
				NO
				YES
				YES
2.	<ul style="list-style-type: none"> <li>• Escalators</li> <li>• Elevators</li> <li>• Generators</li> <li>• Fueling of Generators</li> </ul>	NO	NO	YES
3.	<ul style="list-style-type: none"> <li>• Firefighting</li> <li>• Water Sewerage and Drainage (WSD)</li> <li>• Heating, Ventilation and Air-conditioning (HVAC)</li> <li>• 0.4 KV Low Voltage Power Supply after 33KV Transformers</li> <li>• Illumination, Electrical Appliances in the Corridor</li> </ul>	NO	NO	YES
4.	<ul style="list-style-type: none"> <li>• Communication System including Telephone System, Radio Communication System, Public Address System, Clock System, Passenger Information System, CCTV System, Access Control System,</li> <li>• Transmission System including Fiber Optics, Visual Control System, Audio and Video Recorder System</li> <li>• Signaling System</li> <li>• Fire Alarm System (FAS)</li> <li>• Building Access System (BAS).</li> </ul>	NO	NO	YES
5.	<ul style="list-style-type: none"> <li>• High Voltage Sub-station (HVSS) and related, Low Voltage Power Supply,</li> <li>• Traction Supply System</li> <li>• Power Supervisory Control and Data Acquisition System (PSCADA)</li> </ul>	NO	NO	YES
6.	<ul style="list-style-type: none"> <li>• Automated Fare Collection (AFC)</li> </ul>	NO	YES	YES
7.	<ul style="list-style-type: none"> <li>• Security and Safety Services</li> </ul>	NO	NO	YES
8.	<ul style="list-style-type: none"> <li>• House Keeping and Janitorial Services</li> </ul>	NO	YES	YES

## **Brief on Lahore Orange Line Metro Train Project**

1. The Orange line has route length of 27.12 KM (Underground = 1.72 KM; Elevated = 25.4 KM) and has 26 stations (Elevated = 24; Underground = 2).
2. The line will operate with 27 Train sets having 5 train cars per train-set. Each train-set will have a carrying capacity of 1000 passengers.
3. The Orange line has estimated ridership of approximately 245,000 passengers per day in the first year, 386,200 in 2021 and 495,500 in 2025.
4. The Commercial Speed of the train will be 34.8 Km/h. End to end total travel time will be 45 Minutes one way.
5. The project has estimated average annual economic benefits of PKR. 39.38 Billion over 30 years period. Social and Environmental benefits of the project are in addition to the economic benefits.
6. Route = Ali Town to Dera Gujran
7. Alignment = From Ali Town to Thokar Niaz Baig via Raiwind Road, Thokar Niaz Baig to Chaurji via Multan Road, Chaurji to GPO Chowk via Lake Road and Ustad Allah Bukhsh Road, GPO Chowk to Lakshmi Chowk to Bohar Wala Chowk via Mcleod Road and Nicholson Road, Bohar Wala Chowk to Sultanpura over the Railway Lines, and Sultanpura to Dera Gujran / Ring Road Interchange via GT Road. Section between Chaurji and Lakshmi is underground.

### **8. STATIONS OF ORANGE LINE**

- 1) Ali Town, 2) Thokar Niaz Baig, 3) Canal View, 4) Hanjarwal, 5) Wahdat Road, 6) Awan Town, 7) Sabzazar, 8) Shahnoor, 9) Salahudin Road, 10) Bund Road, 11) Samanabad, 12) Gulshan-e-Ravi, 13) Chaurji, 14) Anarkali, 15) GPO, 16) Lakshmi, 17) Railway Station, 18) Sultanpura, 19) UET, 20) Baghbanpura, 21) Shalamar Garden, 22) Pakistan Mint, 23) Mahmood Booti, 24) Salamatpura, 25) Islampark, 26) Dera Gujran.

9. The Civil Works of Orange Line Project is divided into four packages for administrative management of the project . Civil Works is being conducted by following local Contractors

Package-1 (Dera Gujran to Chuburgi (13.26km)) Habib Construction Services

Package2 (Chuburgi to Ali Town 13.4km) ZKB-Reliable JV

Package3 (Depot at Dera Gujran) ZKB-Reliable JV

Package (Stabling yards at Ali Town) Sarwar & Company (Pvt.) Ltd

10. Electrical and Mechanical Works is being done by the Chinese Contractors i.e CR-NORINCO

#### 11. **Agencies**

**Sponsoring Agency:** Transport Department, Government of the Punjab

**Implementing Agency:** Punjab Masstransit Authority (PMA)

**Executing Agency:** Lahore Development Authority (LDA)

**Operation and maintenance after execution:** Punjab Masstransit Authority (PMA)