



EXPRESSION OF INTEREST FOR SHORTLISTING OF CONSULTANTS



FOR THE PROCUREMENT OF CONSULTANCY SERVICES TO CONDUCT **FEASIBILITY STUDY FOR TOURIST GLASS TRAIN FROM RAWALPINDI TO MURREE, PUNJAB, PAKISTAN**



1. **The Punjab Masstransit Authority (PMA)** is a statutory body established by the Government of the Punjab, Islamic Republic of Pakistan for the purposes of **planning, construction, operation and maintenance of mass transit systems** in the major cities of the Punjab for providing safe, efficient and comfortable urban transportation systems.
2. **Expression of Interest (EOI)** applications are invited under **Punjab Procurement Regulatory Authority (PPRA) Rules 2014** from consulting firms having expertise and experience in feasibility study of rail-based transit mobility systems to conduct above titled study.
3. Consulting firms may form **Association of Consultants** with local or international firms to enhance their qualifications and capability subject to a maximum of **four (04) firms**. One partner will be designated as Lead Partner who shall be a local registered firm.
4. EOI document can be downloaded from the PMA website (www.pma.punjab.gov.pk), PPRA website (www.ppra.punjab.gov.pk) and PPRA e-Punjab Acquisition and Disposal System (**e-PADS**).
5. All interested consulting firms are required to register themselves by visiting the link (<https://punjab.eprocure.gov.pk>) established by PPRA and become a registered supplier under e-PADS. For any queries regarding registration on e-PADS, please contact at: **+92-336-4110659 and +92-344-4324830**.
6. The e-applications in the form of **PDF file**, duly completed, signed, stamped, and in complete conformity with EOI document must be uploaded online on e-PADS well before the submission deadline. Submission of documents on e-PADS shall entirely be the responsibility of the firms themselves. The PMA shall not be held responsible for any issues thereof.
7. The e-applications must be submitted through e-PADS **on or before 1100 hours PST on November 11, 2024**. The e-applications will be publicly opened in the Committee Room of the **PMA Head Office at Lahore** (address given below), at **1130 hours PST on November 11, 2024**.
8. A **Clarification Meeting** shall take place at **1100 hours PST on October 24, 2024** at the PMA Head Office for the applicants who wish to attend.
9. This procurement / e-application for pre-qualification shall be carried out as per PPRA Rules 2014.
10. There is no Fee for downloading EOI documents or for submission of e-applications under the e-procurement system.
11. The PMA reserves the right to cancel the tendering process at any stage prior to the final announcement of results.
12. All questions/queries/clarifications regarding this procurement / e-application for pre-qualification should be directed to e-PADS or to the PMA's representative whose contact details are given below:

General Manager (Operations)

Punjab Mass Transit Authority, 5th Floor, Arfa Software Technology Park (ASTP),
346-B, Main Ferozepur Road,
Lahore, Pakistan.

TEL: +92 (42) 99028000 Fax: +92 (42) 99232541
Email: rizwan.aziz@pma.punjab.gov.pk

EXPRESSION OF INTEREST (EOI) / PRE-QUALIFICATION DOCUMENT (PQD)

FOR

**PROCUREMENT OF CONSULTANCY SERVICES TO CONDUCT
FEASIBILITY STUDY FOR TOURIST GLASS TRAIN FROM
RAWALPINDI TO MURREE**



THE PUNJAB MASSTRANSIT AUTHORITY

Government of the Punjab

5th Floor, Arfa Software Technology Park (ASTP)

346-B, Main Ferozpur Road, Lahore, Pakistan.

Phone:: +92 42 99028000 Fax: +92 42 9923 2541

URL: www.pma.punjab.gov.pk

OCTOBER 2024

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SECTION-01 DEFINITIONS

1. **“Applicant”** means consultancy firm who has submitted its e-application on e-PADS for the EOI
2. **“Association of Consultants”** means an association up to a maximum four (04) firms in form of a Joint Venture or Consortium or subcontract.
3. **“Client/Procuring Agency/Purchaser”** means Punjab Masstransit Authority (PMA), Government of the Punjab, Pakistan or any other person/entity for the time being or from time to time duly appointed in writing by the Purchaser to act as Purchaser.
4. **“Confirmation”** means confirmation in writing.
5. **“Consultant”** means successful Bidder/Tenderer.
6. **“Country of Origin”** shall be considered to be the place where the firm is incorporated
7. **“CSC”** means the Consultant Selection Committee constituted for the purpose of evaluating the Tender.
8. **“e-application”** means electronic application
9. **“Eligible Country”** is defined as any country or region that is allowed to do business in Pakistan by the law of Government of Pakistan.
10. **“EOI / PQD”** Expression of Interest / Prequalification Document
11. **“Firm”** means an entity which is legally enabled to do business in the **Country of Origin.**
12. **“e-PADS”** means e-Punjab Acquisition and Disposal System as approved by the Punjab Procurement Regulatory Authority.
13. **“e-Submission”** means submission of e-application by uploading PDF file
14. **“Payment Currency”** means the official currency of Pakistan i.e. PKR. Currency of any other country for allied payments is not recognized under this procurement.
15. **“PMA”** means Punjab Masstransit Authority, Government of Punjab.

16. **“Procurement Methods”** means any one of the procurement modes / methods as provided in the Punjab Procurement Rules 2014 published by the Punjab Procurement Regulatory Authority (PPRA), Government of Punjab.
17. **“PST”** means Pakistan Standard Time
18. **“Terms of Reference” or “TOR”** means the document which explains the objectives, scope of work, activities, task to be performed, respective responsibilities of the **Consultant**

SECTION-02 INVITATION FOR EXPRESSION OF INTEREST (EOI)

1. The Punjab Masstransit Authority (PMA) of the Government of Punjab (GoPb) invites Expression of Interest to provide "CONSULTANCY SERVICES TO CONDUCT FEASIBILITY STUDY FOR TOURIST GLASS TRAIN FROM RAWALPINDI TO MURREE".
2. The Tender Number is PMA-TNDA-CON-SCH/3483/01/2024
3. Punjab Procurement Regulatory Authority (PPRA) Rules 2014 modified from time to time and specifically those issued under Notification No. MMD(PPRA)50-BOM/2024 dated 6th March, 2024 with respect to e-procurement system will be followed. PPRA Rules may be obtained from PPRA's website: <http://ppra.punjab.gov.pk/downloads>. The said Notification can be downloaded from https://ppra.punjab.gov.pk/system/files/E-proc%20Regulations_0.pdf
4. The consultancy firms shall be pre-qualified first as per the criteria and procedures mentioned in this document. Afterward's, competitive bidding process shall be carried out only among the prequalified applicants / firms.
5. This Tender shall be an International Tender with response time not less than 30 days as per PPRA Rule 14.
6. As per Rule 12, 12(1) and 12(3), this Tender is being placed online at e-PADS, PMA's and PPRA's websites. The EOI document carrying all details can be downloaded from following websites.
<https://punjab.eprocure.gov.pk>
<https://www.ppra.punjab.gov.pk>
<https://www.pma.punjab.gov.pk>
7. There shall be no tender fee for downloading EOI document or for submission of e-application under the e-procurement system.
8. All interested applicants are required to register themselves by visiting the following link established by PPRA and become a registered supplier under e-procurement system.
<https://punjab.eprocure.gov.pk>
9. After registering on e-procurement system, the applicants are required to familiarize themselves with e-PADS which will be the only portal for submission of e-bids.
10. All applicants are encouraged to carefully study the e-procurement Notification No. MMD(PPRA)50-BOM/2024 dated 6th March, 2024 to successfully submit their e-bids by uploading their applications on e-PADS against the subject EOI of PMA.
11. The e-applications (complete in all respects) must be submitted on e-PADS latest by **1100 Hours PST on 11th November, 2024. Physical applications** received through courier service or delivered by the applicant, **shall not be accepted.**

12. After the specified closing time, e-applications will not be accepted on the e-PADS,. However, in case if any e-application is submitted on the system after closing time due to some technical glitch in the e-PADS, that e-application shall be declared late and rejected.
13. The timely submitted e-applications for EOI will be opened on the e-PADS in the Committee Room of the Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), at **1130 Hours PST on 11th November, 2024.**
14. The Client's representative details are as under:

Name	Mr. Ozair Shah, General Manager (Operations), PMA
Address	5th Floor, Arfa Software Technology Park, 346-B Ferozepur Road Lahore, Pakistan
Telephone	+92 42 99028000,
Facsimile	+92 42 99232541
E-mail	rizwan.aziz@pma.punjab.gov.pk

SECTION-03 PREQUALIFICATION DOCUMENT (PQD)

1. It is mandatory for applicants to submit EOI using the Standard Forms. Applications that are not submitted in the prescribed format may be discarded. If any information required in the forms is found missing or written elsewhere, no credit shall be given in the relevant section of the evaluation.
2. The interested consultancy firms who are eligible with experience of similar nature works may apply for selection.
3. Superfluous / irrelevant/ false information shall lead to disqualification.
4. Maximum four (04) numbers of firms are allowed to make an Association of Consultants. The same firm shall not be allowed to submit e-application for EOI individually and in association with any other firm. Every association shall be unique. An Agreement Deed legally executed to that effect, or a Memorandum of Understanding (MOU), signed by all the partners shall be submitted with the EOI. One partner will be designated as lead partner who shall be a local registered firm. A power of attorney to that effect, legally executed, signed by all the partners shall be submitted with the EOI. All the partners shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract in case of JV.
5. Once a firm / association is shortlisted and invited for submission of the Proposal, it is not permissible to transfer the invitation to any other firm, such as consultancy firm's parent companies, subsidiaries and affiliates. Furthermore, the Client will reject a Proposal if the consultancy firm drops a member of association without the Client's prior consent, which is given only in exceptional circumstances, such as blacklisting/ debarment of the member or occurrence of Force Majeure.
6. A firm cannot claim experience of its parent company / subsidiaries / subsidiaries under the parent company unless they are included as member of Association of Consultants for this tender.
7. The Punjab Masstransit Authority shall hold a **Clarification meeting at 1100 Hours PST on 24th October, 2024** in the Committee Room of Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore, PAKISTAN. Applicants in case of any queries for seeking clarifications may send their queries in writing at the office of Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore, PAKISTAN, or via designated email on or before **23rd October, 2024** or raise them during the Clarification Meeting. The minutes of Clarification Meeting will be made public by uploading on PMA official website and shall be considered as part of EOI. All queries shall be responded to within due time. No query shall be responded if received after the Clarification Meeting.
8. The applicants must submit their EOI on the basis of complete fulfillment of requirements. Failure to meet all conditions may cause disqualification.
9. The EOI, supporting documents, and related correspondence exchanged by the consultancy firms and the Client, shall be written in English. In case of supporting

documents in language other than English, attested English translation will be required along with such documents.

10. The applicants shall ensure that the information furnished as per the document submitted is true and correct and nothing is concealed or tampered with. Otherwise, the applicant shall be liable to any punitive action for furnishing false information / documents.
11. The applications shall be first checked against the Eligibility Criteria. Only Eligible applications shall be evaluated as per the criteria mentioned in this document. Minimum **65 marks** are required to pass the evaluation criteria. Eligible applicants with marks 65 or more in the evaluation criteria shall stand prequalified.
12. All pages of the EOI shall be signed and stamped by declared Power of Attorney of the applicant. The stamp will be of consultancy firm in case of single applicant and that of lead member in case of Association of Consultants.
13. The duration of the project is six (06) months
14. The PQD includes the following additional sections:
 - a. Terms of Reference (TOR)
 - b. Eligibility Criteria
 - c. Evaluation Criteria
 - d. Document Checklist
 - e. Standard Forms (Appendix 1 to 6)

SECTION – 3.1 TERMS OF REFERENCE

1. INTRODUCTION

Punjab Mass transit Authority (PMA) is a statutory body established by Government of the Punjab under Punjab Mass Transit Authority Act 2015 with the purpose of planning, construction, operation and maintenance of mass transit systems in the major cities of the province; for providing safe, efficient and comfortable urban transportation system. PMA's vision is to provide state-of-the-art mass transit system for all. The mission of PMA is to establish and operate mass transit system ensuring safety, comfort and efficacy. The features of mass transit system are planned to cater to the vision and mission of the Authority.

The Government of Punjab, Pakistan has approved scheme titled "Feasibility Study for Tourist Glass Train from Rawalpindi to Murree" appearing at GS No. 3483 in Annual Development Plan (ADP) for fiscal year (FY) 2024-25. Since "Railway" is a federal subject, the Government of Punjab has sought concurrence from the Federal Government to carry out the subject feasibility study.

Murree is a popular hill station in the mountainous region of northern Punjab. It is located at an approximate distance of 60 Km from Islamabad, the Capital of Pakistan. A Glass Train is proposed in the scheme being a scenic train, where the train cars would have large windows or even glass ceilings to provide passengers with panoramic views of the surrounding mountainous landscapes. Such like trains are popular in various parts of the world known for their scenic beauty, such as Switzerland, Norway, Japan, Canada, etc. These trains offer a unique experience to travelers to enjoy the captivating scenery comfortably from inside the train. The Glass Train may provide an alternate mode of transport to tourists, who currently prefer to use private vehicles.

Pakistan Railway, Government of Pakistan has already done significant work for rail linkage between Islamabad and Murree. Punjab Government intends to carry out a comprehensive feasibility study including the work aspects that could not be completed earlier in order to have a direct connection between Rawalpindi / Islamabad - Murree hilltop.

2. OBJECTIVES OF THE STUDY

The main aim of the Client is to prepare study at par with international standards that can serve as the feasibility for implementing a Tourist Glass Train Project from Rawalpindi to Murree. This study should also serve as a guide for the decision makers and investors to decide whether to implement these projects or not. The objectives of the Feasibility Study are:

- a. To assess the passenger (tourist and local residents) and freight demand between Rawalpindi/Islamabad - Murree from adjoining areas for provision of modern railway system/ technology (rack track, funicular etc.) including Glass Train to improve connectivity, ease congestion and cater tourist demand within the Rawalpindi/Islamabad - Murree region

- b. To select the most viable route alignment for the proposed Glass Train from Rawalpindi / Islamabad to Murree hilltop to facilitate the passengers & tourists' movement and freight
- c. To ensure integration and track standards compliance of proposed railway line and allied infrastructure with the existing infrastructure of Pakistan Railway
- d. To evaluate different procurement options including but not limited to Public Private Partnership (PPP), Engineering Procurement & Construction (EPC) and develop Business Models in order to recommend suitable mode for execution and operations of the project
- e. To assist the Client in identifying potential investors / donors and contractors for execution of the project
- f. To develop preliminary designs and specifications for safe and affordable mobility of passengers
- g. To propose Legal and Institutional Framework for design, construction, operations & maintenance of the project

3. BRIEF SCOPE OF WORK

Brief scope of work for the consultant is as under:

1. Review of the previous study named "Feasibility Study for new Rail Link from Islamabad to Murree & Muzaffarabad" carried out by Pakistan Railway in 2014-15 which mainly includes but not limited to the following:
 - a. Inception Report
 - b. Route Selection Report
 - c. Traffic and Commercial Survey Report
 - d. Environment and Social Impact Studies
 - e. Hydrological Report
 - f. Geological and Geotechnical investigations
 - g. Electric Power Study Report
 - h. Electric Traction Study Report
 - i. Signaling and Telecommunication Report
 - j. Rolling Stock Report
 - k. Topographic Report
 - l. Economic and Financial Analysis Report
 - m. Draft Feasibility Study Report

The above mentioned data of previous study conducted will be shared with the pre-qualified applicants / consultancy firms as part of the Request for Proposals (RFP) at bidding stage

2. The Consultant after making use of available studies and data, shall execute tasks as part of this study which includes but are not limited to the following:
 - a. Conduct thorough reconnaissance of the area between Islamabad / Rawalpindi - Murree to gather drone videography, preliminary data on the terrain, existing infrastructure, environmental constraints etc.
 - b. Identify at least three best possible options for route from Rawalpindi / Islamabad – Murree
 - c. Conduct a comprehensive topographic survey having a suitable horizontal buffer along alignment and ensure using advanced LiDAR technology for precise mapping
 - d. Development of Digital Terrain Model and Computer Aided Design of the selected Railway Alignment
 - e. Geo-mapping of all structures for precise location along with description of attributes
 - f. Plan, profile and cross-sections of the selected alignment.
 - g. Geotechnical and Geological Investigation
 - h. Seismological investigations
 - i. Hydrological and Groundwater Study
 - j. Environmental Impact Assessment and Resettlement Impact Studies
 - k. Traffic and Commercial Study
 - l. Parking Study
 - m. Signaling and Telecommunication Study
 - n. Design of stations and platform for Tourist Glass Train
 - o. Rolling stock and Locomotive Study
 - p. Electric Traction / Power Study
 - q. Development of Mechanism for Fare Collection
 - r. Economic and Financial Analysis
3. Development of preliminary design to an extent / level that will enable the project quantities to be estimated within accuracy.
4. Preparation of CDM documentation & compliance with carbon credit standards.
5. Public Private Partnership (PPP) Analysis
6. Preparation and submission of the relevant procurement documents in case of Engineering Procurement & Construction (EPC) model
7. Risk and Sensitivity Analysis.
8. Institutional and Regulatory Analysis

SECTION-3.2 ELIGIBILITY CRITERIA

Sr. No	Criteria	Document / Evidence Required
1	<p>Status of the firm to work as a legal entity in the Country of Origin;</p> <p><i>In case of single applicant, the firm must be registered with Security Exchange Commission of Pakistan (SECP)</i></p> <p><i>In case of Association, at least lead member must be registered with Security Exchange Commission of Pakistan (SECP). Other members must be registered in the Country of Origin to work as a legal entity</i></p>	Certificate of registration of the firm as a legal entity in the Country of Origin
2	<p>Registration of firm with Pakistan Engineering Council (PEC) in categories 1214 & 1215 as a Consultant</p> <p><i>(In case of Association, applicable to any one member)</i></p>	Certificate of registration with PEC valid till EOI submission date
3	<p>Memorandum(s) of Understanding between the lead member and associate(s) to substantiate the forming of association.(if applicable);</p>	Memorandum of Understanding (MOU) on stamp paper in case of association only
4	<p>Valid Registration Certificate for Income Tax, Sales Tax (on goods and services where applicable) or possesses corresponding equivalent certificate from the country of origin.</p> <p><i>(In case of Association, applicable to all members)</i></p>	Valid Certificates
5	<p>Income tax payer for last three years</p> <p><i>(In case of Association, applicable to lead member)</i></p>	Income tax returns for the last three years
6	<p>An Affidavit/sworn statement that the firm is not blacklisted or debarred by any Government / Semi-Government / Autonomous/ International Body</p> <p><i>(In case of Association, applicable to all members)</i></p>	Affidavit on Stamp Paper

In addition to above, the firm must ensure that all required documents are submitted in EOIs in a manner prescribed in this document.

SECTION-3.3

EVALUATION CRITERIA

1. The applicants in order to qualify the Technical Evaluation Criteria must score at least 20 marks in criteria at Sr. No 3, 15 marks in criteria at Sr. No 4, 3 marks in criteria at Sr. No 6 and 3 marks in criteria at Sr. No 7.
2. Minimum **65 marks** are required to pass the evaluation criteria
3. **In case of Association, marks shall be evaluated jointly for all members unless stated otherwise.**

Sr. No.	Criteria	Marks	Marks Criteria	Documents / Evidence Req.												
1	Organization chart of firm showing management structure	2	Submission of the required document (In case of Association, applicable to all members)													
2	Quality Management System	3	Submission of the required document (In case of Association, applicable to any one member)	Certificate from an Authorized Body												
3	Technical Experience of firm / association	40	<p>At least two (02) feasibility study projects of Rail Based Systems will be considered each carrying equal marks i.e.20. Only eligible projects shall be considered for estimation of technical experience. Irrelevant projects shall be scored Zero.</p> <p>For evaluation of each feasibility study project following steps will be followed</p> <p><u>STEP-1</u></p> <p>Weightages will be assigned against each component of quoted study, if part of the quoted study, as mentioned in the table below. After assigning all weightages, total weightage will be computed as "A" by summing-up all weightages.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sr. NO</th> <th>Study Component</th> <th>Weightage</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Study area containing hilly / mountainous terrain</td> <td>15</td> </tr> <tr> <td>2</td> <td>Study of new track with length >= 100 Km</td> <td>10</td> </tr> <tr> <td>3</td> <td>Economic and Financial Analysis</td> <td>10</td> </tr> </tbody> </table>	Sr. NO	Study Component	Weightage	1	Study area containing hilly / mountainous terrain	15	2	Study of new track with length >= 100 Km	10	3	Economic and Financial Analysis	10	<ul style="list-style-type: none"> • Appendix 3 • Documentary evidence to establish study components • Completion Certificate
Sr. NO	Study Component	Weightage														
1	Study area containing hilly / mountainous terrain	15														
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3	Economic and Financial Analysis	10														

4	Preliminary / Detailed Design including Plan, Profile and Cross-Sections	8
5	Rolling Stock Study	8
6	Geotechnical / Geological Investigation	8
7	Signaling and Telecommunication Study	8
8	Topographic Surveys	8
9	Route Selection Study	7
10	Environmental Study	6
11	Hydrological Study	6
12	Traffic (Passenger & Freight) Study	6
	TOTAL (A)	100

STEP-2

Based on the total weightage “A”, Similarity Index “SI” will be defined according to the following table:

Value of A	Similarity	Similarity Index (SI)
> 85	Strong	1
>= 65 & <=85	Medium	0.65
>=30 & < 65	Weak	0.3
< 30	None	0

STEP-3

The Similarity Index “SI” will be multiplied by 20 to arrive at marks against the particular project.

$$\text{Feasibility Study Project Score} = \text{SI} \times 20$$

4	Human Resource Capacity (30 Marks)																			
i	Team Leader	10	<p>Education and Experience = 04 Marks</p> <p>General Experience: Extensive experience in technical project management and coordination Specific Experience: Specialized in leading technical teams, ensuring project technical soundness, coordinating with experts</p> <table border="1" data-bbox="898 483 1924 655"> <tr> <td>Education</td> <td>BSc Civil Engineering or relevant Field</td> </tr> <tr> <td>Total Experience (Years)</td> <td>18</td> </tr> <tr> <td>General Experience (Year)</td> <td>12</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>06</td> </tr> </table> <p>OR</p> <table border="1" data-bbox="898 764 1924 936"> <tr> <td>Education</td> <td>MSc Civil Engineering or relevant field</td> </tr> <tr> <td>Total Experience (Years)</td> <td>15</td> </tr> <tr> <td>General Experience (Year)</td> <td>10</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>05</td> </tr> </table> <p>Similar tasks undertaken related to the experience required = 06 Marks Number of projects in which similar tasks have been undertaken; 3 projects or more = 06 marks 2 projects = 04 marks 1 project = 02 marks</p>	Education	BSc Civil Engineering or relevant Field	Total Experience (Years)	18	General Experience (Year)	12	Specific Experience (Years)	06	Education	MSc Civil Engineering or relevant field	Total Experience (Years)	15	General Experience (Year)	10	Specific Experience (Years)	05	Appendix 4
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ii	Chief Engineer	08	<p>Education and Experience = 03 Marks</p> <p>General Experience: Extensive experience in civil engineering and project management Specific Experience: Specialized in railway alignment studies, technical evaluations, and coordination with multidisciplinary</p>	Appendix 4																

			<p>teams</p> <table border="1"> <tr> <td>Education</td> <td>BSc Civil Engineering or relevant Field</td> </tr> <tr> <td>Total Experience (Years)</td> <td>15</td> </tr> <tr> <td>General Experience (Year)</td> <td>10</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>05</td> </tr> </table> <p>OR</p> <table border="1"> <tr> <td>Education</td> <td>MSc Civil Engineering or relevant field</td> </tr> <tr> <td>Total Experience (Years)</td> <td>12</td> </tr> <tr> <td>General Experience (Year)</td> <td>08</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>04</td> </tr> </table> <p>OR</p> <table border="1"> <tr> <td>Education</td> <td>PH.D. Civil Engineering or relevant field</td> </tr> <tr> <td>Total Experience (Years)</td> <td>10</td> </tr> <tr> <td>General Experience (Year)</td> <td>06</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>04</td> </tr> </table> <p>Similar tasks undertaken related to the experience required = 05 Marks Number of projects in which similar tasks have been undertaken; 3 projects or more = 5 marks 2 projects = 3 marks 1 project = 1 mark</p>	Education	BSc Civil Engineering or relevant Field	Total Experience (Years)	15	General Experience (Year)	10	Specific Experience (Years)	05	Education	MSc Civil Engineering or relevant field	Total Experience (Years)	12	General Experience (Year)	08	Specific Experience (Years)	04	Education	PH.D. Civil Engineering or relevant field	Total Experience (Years)	10	General Experience (Year)	06	Specific Experience (Years)	04	
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iii	Senior Mechanical Engineer Locomotives	06	<p><u>Education and Experience = 02 Marks</u></p> <p>General Experience: Broad experience in mechanical engineering and locomotive design</p> <p>Specific Experience: Specialized in analyzing locomotive requirements, selecting appropriate locomotives, ensuring</p>	Appendix 4																								

			<p style="text-align: center;">specifications meet project needs</p> <table border="1"> <tr> <td>Education</td> <td>BSc Mechanical Engineering</td> </tr> <tr> <td>Total Experience (Years)</td> <td>13</td> </tr> <tr> <td>General Experience (Year)</td> <td>08</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>05</td> </tr> </table> <p>OR</p> <table border="1"> <tr> <td>Education</td> <td>MSc Mechanical Engineering</td> </tr> <tr> <td>Total Experience (Years)</td> <td>10</td> </tr> <tr> <td>General Experience (Year)</td> <td>06</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>04</td> </tr> </table> <p>Similar Tasks Undertaken = 04 Marks Number of projects in which similar tasks have been undertaken; 3 projects or more = 04 marks 2 projects = 02 marks 1 project = 01 marks</p>	Education	BSc Mechanical Engineering	Total Experience (Years)	13	General Experience (Year)	08	Specific Experience (Years)	05	Education	MSc Mechanical Engineering	Total Experience (Years)	10	General Experience (Year)	06	Specific Experience (Years)	04	
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iv	Senior QA & QC	03	<p>Education and Experience = 1 Mark</p> <p>General Experience: Broad experience in quality assurance and control</p> <p>Specific Experience: Specialized in conducting quality audits, ensuring compliance with standards, implementing quality improvement plans</p> <table border="1"> <tr> <td>Education</td> <td>BSc Civil Engineering / Quality Management</td> </tr> <tr> <td>Total Experience (Years)</td> <td>13</td> </tr> <tr> <td>General Experience (Year)</td> <td>08</td> </tr> </table>	Education	BSc Civil Engineering / Quality Management	Total Experience (Years)	13	General Experience (Year)	08	Appendix 4										
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			<table border="1"> <tr> <td>Specific Experience (Years)</td> <td>05</td> </tr> </table> <p>OR</p> <table border="1"> <tr> <td>Education</td> <td>MSc Civil Engineering / Quality Management</td> </tr> <tr> <td>Total Experience (Years)</td> <td>10</td> </tr> <tr> <td>General Experience (Year)</td> <td>06</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>04</td> </tr> </table> <p>Similar tasks undertaken related to the experience required = 02 Marks Number of projects in which similar tasks have been undertaken; 3 projects or more = 02 marks 2 projects = 01 marks 1 project = 0.5 mark</p>	Specific Experience (Years)	05	Education	MSc Civil Engineering / Quality Management	Total Experience (Years)	10	General Experience (Year)	06	Specific Experience (Years)	04			
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General Experience (Year)	06															
Specific Experience (Years)	04															
V	Principal Surveyor	03	<p>Education and Experience = 1 Mark</p> <p>General Experience: Broad experience in surveying tasks and managing survey teams</p> <p>Specific Experience: Specialization in overseeing large-scale survey projects, integrating GIS technologies, managing geospatial data, creating detailed maps, and ensuring the accuracy of spatial data</p> <table border="1"> <tr> <td>Education</td> <td>BSc Civil Engineering / Space Sciences</td> </tr> <tr> <td>Total Experience (Years)</td> <td>12</td> </tr> <tr> <td>General Experience (Year)</td> <td>08</td> </tr> <tr> <td>Specific Experience (Years)</td> <td>04</td> </tr> </table> <p>OR</p> <table border="1"> <tr> <td>Education</td> <td>MS / MPhil in GIS / Geomatics / Space Science</td> </tr> <tr> <td>Total Experience (Years)</td> <td>08</td> </tr> </table>	Education	BSc Civil Engineering / Space Sciences	Total Experience (Years)	12	General Experience (Year)	08	Specific Experience (Years)	04	Education	MS / MPhil in GIS / Geomatics / Space Science	Total Experience (Years)	08	Appendix 4
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General Experience (Year)	05													
Specific Experience (Years)	03													
5	Experience of the firm with Rack Track or any other technology used in negotiation of steep grades up to 12%	05	<table border="1"> <tr> <td>No</td> <td>0 Points</td> </tr> <tr> <td>Yes</td> <td>5 Points</td> </tr> </table>	No	0 Points	Yes	5 Points	Documentary Evidence						
No	0 Points													
Yes	5 Points													
6	Average Annual Turnover of for the last three years in PKR millions	10	<table border="1"> <tr> <td>Less than 100</td> <td>00 Points</td> </tr> <tr> <td>100 to 200</td> <td>03 Points</td> </tr> <tr> <td>More than 200 to 300</td> <td>06 Points</td> </tr> <tr> <td>More than 300 to 400</td> <td>09 Points</td> </tr> <tr> <td>More than 400</td> <td>10 Points</td> </tr> </table>	Less than 100	00 Points	100 to 200	03 Points	More than 200 to 300	06 Points	More than 300 to 400	09 Points	More than 400	10 Points	<ul style="list-style-type: none"> Appendix 5 Audited Financial Statements for the last three (03) years
Less than 100	00 Points													
100 to 200	03 Points													
More than 200 to 300	06 Points													
More than 300 to 400	09 Points													
More than 400	10 Points													
7	Net Work in last year in PKR millions	10	<table border="1"> <tr> <td>Less than 40</td> <td>00 Points</td> </tr> <tr> <td>40 to 80</td> <td>03 Points</td> </tr> <tr> <td>More than 80 to 120</td> <td>06 Points</td> </tr> <tr> <td>More than 120 to 160</td> <td>09 Points</td> </tr> <tr> <td>More than 160</td> <td>10 Points</td> </tr> </table>	Less than 40	00 Points	40 to 80	03 Points	More than 80 to 120	06 Points	More than 120 to 160	09 Points	More than 160	10 Points	
Less than 40	00 Points													
40 to 80	03 Points													
More than 80 to 120	06 Points													
More than 120 to 160	09 Points													
More than 160	10 Points													
Grand Total		100												

SECTION-3.4 DOCUMENT CHECK LIST

1. Letter of EOI application as per **Appendix 1**.
2. Firm details as per **Appendix 2**
3. Firm organizational chart (*In case of Association, applicable to all members*)
4. Certificate of Quality Management System from an authorized body (if any) (*In case of Association, applicable to any one member*)
5. Certificate of registration of the firm with SECP (*In case of Association of Consultants, applicable to lead member only, for others members certificate of registration to work as a legal entity in the Country of Origin is required*)
6. Certificate of registration with PEC in category 1214, 1215 valid till EOI submission date (*In case of Association, applicable to any one member*)
7. Memorandum of Understanding (MOU) on stamp paper in case of Association only
8. Income tax returns for the last three years (*In case of Association, applicable to lead member only*)
9. Affidavit for non-blacklisting of firm on Stamp Paper (*In case of Association, applicable to all members*)
10. Details of firm's technical experience as per **Appendix 3** along with following:
 - a. Documentary evidence to establish that the study components checked by the applicant in Appendix-3 are part of the quoted study project
 - b. Completion Certificate of the study project
11. CVs of the Human Resource as per **Appendix 4**
12. Firm's financial details as per **Appendix 5**
13. Firm's audited financial statements for the last three (03) years
14. Power of Attorney as per **Appendix 6**

SECTION 3.5

APPENDICES

APPENDIX 1

FORMAT FOR LETTER OF EOI APPLICATION

On the Letter Head of the Applicant (in case of Single) or Lead Member (in case of a an Association)

Date:

The Chairman,
Consultant Selection Committee,
Punjab Masstransit Authority
Lahore.

PROCUREMENT OF CONSULTANCY SERVICES TO CONDUCT FEASIBILITY STUDY FOR TOURIST GLASS TRAIN FROM RAWALPINDI TO MURREE

Sir,

Being duly authorized to represent and act on behalf of (_____). and having reviewed and fully understood all of the qualification requirements and information provided, the undersigned hereby expresses its interest and apply for qualification for subject consultancy services.

We are enclosing our e-application for the Expression of Interests (EOIs) in the prescribed manner with the details as per the requirements of the EOI for your evaluation. We, the undersigned, certify to the best of our knowledge and belief that:

- a. We have read the EOI / PQD including the terms of reference (TOR), for this assignment.
- b. Neither the consulting firm nor its associate (s) or any of its experts prepared the TOR for this activity.
- c. We confirm that the project references submitted as part of this EOI accurately reflect the experience of the specified firm/ Association (or a Member of an Association).
- d. The Firm/ Association Members are NOT currently blacklisted/ debarred by any Govt./ Semi Govt. Organizations etc. Neither the consulting firm nor the Association Members have ever been convicted of an integrity-related offense or crime related to corrupt and fraudulent practice.
- e. We understand that it is our obligation to notify PMA should the Firm or any Member of the Association become ineligible to work with PMA or be convicted of corrupt and fraudulent practice.
- f. Association Members including all proposed experts named in this EOI, confirmed/

authorized us in writing to represent them in expressing interest in this activity.

- g. We understand that any misrepresentations that knowingly or recklessly mislead, or attempt to mislead may lead to the automatic rejection of the application, proposal or cancellation of the contract, if awarded, and may result in further remedial action, in accordance with available Mechanism and Manner for Blacklisting of Suppliers, Consultants & Contractors.
- h. All pages of the EOI have been signed by the Authorized Person and stamped.

The undersigned hereby also declares that the statements made and the information provided in the EOIs are complete, true and correct in every detail.

Yours faithfully,
(Signature of Authorized Signatory)
(Name, Title and Address of the Bidder)
Applicant's seal& stamp

APPENDIX 2

Power of Attorney:-

Name _____
 Designation _____
 CNIC No. _____
 Contact No _____
 Official Email address _____

Consulting Firm Information (in case of Single Entity)

Consultant Full Name (Firm):	Acronym (of Firm):
Date of Incorporation:	Country of Incorporation:
EOI Submission Authorized by: (Name of Person)	Position: (of Person in Firm)
Postal Address:	E-mail Address:

In case of Association of Consultants only

(Fill it for all the Members)

Sr. No.	Consultant	Acronym	Date of Incorporation	Country of Incorporation	EOI Submission Authorized By	Position
Postal Address of Lead Firm:				E-mail Address of Lead Firm:		

Present the rationale for and benefits of working in association with others rather than undertaking the assignment independently (as appropriate). Describe the proposed management and coordination approach of the association and the role of each firm **(upto 200 words)**.

APPENDIX 3 INFORMATION RELATED TO EXPERIENCE

Feasibility Study Project name		
Country		
Location within country		
Name of Client		
Components of study carried out by your firm		
Sr. No.	Study Component	Check if Yes
1	Study area containing hilly / mountainous terrain	<input type="checkbox"/>
2	Study of new track with length \geq 100 Km	<input type="checkbox"/>
3	Economic and Financial Analysis	<input type="checkbox"/>
4	Preliminary / Detailed Design including Plan, Profile and Cross-Sections	<input type="checkbox"/>
5	Rolling Stock Study	<input type="checkbox"/>
6	Geotechnical / Geological Investigation	<input type="checkbox"/>
7	Signaling and Telecommunication Study	<input type="checkbox"/>
8	Topographic Surveys	<input type="checkbox"/>
9	Route Selection Study	<input type="checkbox"/>
10	Environmental Study	<input type="checkbox"/>
11	Hydrological Study	<input type="checkbox"/>
12	Traffic (Passenger & Freight) Study	<input type="checkbox"/>
Name of associated members, if any		
Narrative description of Project		

Note:

- Only the eligible projects that satisfy technical criteria shall be included.
- This appendix must be supported by
 - Documentary evidence to establish that the study components checked by the applicant are part of the quoted study project
 - Completion Certificate of the study project

APPENDIX 4 CURRICULUM VITAE (CV) FOR PROFESSIONAL STAFF

1. Current Position (only one candidate shall be nominated for each position): _____
2. Name of Company (insert name of company proposing the staff): _____
3. Name of Staff (insert full name)
4. Date of Birth: _____ Nationality: _____
5. CNIC No (if Pakistani): _____ or Passport No: _____
6. Education

Degree	Major/Minor	Institution	Year

7. **Employment Record** (Starting with present position, list in reverse order every employment held by staff member since graduation, giving/or each employment (see format here below): dates of employment, name of employing, organization, positions held):

Employer	Position	From (MM/YYYY)	To (MM/YYYY)

8. Work undertaken that best illustrates similar tasks undertaken related to the experience required in the evaluation criteria:

1. Name of project: _____
 Year: _____
 Location: _____
 Client: _____
 Main project features: _____
 Positions held: _____
 Activities performed: _____

2. Name of project: _____
Year: _____
Location: _____
Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

3. Name of project: _____
Year: _____
Location: _____
Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

13. Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of staff member or authorized representative of the staff] Date: _____

APPENDIX 5

FORMAT FOR ESTABLISHING FINANCIAL CAPABILITY

The following financial data form shall be filled out by the applicant; and by all partners in case of an Association of Consultants.

Financial Information	Provide the required information for the previous three years. (Most recent to oldest).		
	Year 1 (Year)	Year 2 (Year)	Year 3 (Year)
Information from Balance Sheet:			
(1) Total Assets (TA)			
(2) Current Assets (CA)			
(3) Total Liabilities (TL)			
(4) Current Liabilities (CL)			
Information from Income Statement:			
(5) Total Revenue (TR)			
(6) Profits before Taxes (PBT)			
Net Worth (1) – (3)			
Current Ratio (2) / (4)			

Applicant has to provide copies of the original audited financial statements for the last three financial years.

Where the financial statements are not in English, attested English-copies of the Income Statement (and Statement of Other Comprehensive Income), Balance Sheet, Statement of Cash Flows and Statement of Shareholders' Equity must be provided.

In case the currency used in financial audited statements is not PKR, the evaluation will be made after conversion of that currency to PKR in the following manner

- *The exchange rates for conversion will be sourced from the official website of State Bank of Pakistan.*
- *For assets and liabilities, exchange rate of closing date of Balance Sheet will be used*
- *For Income Statement, the average of the exchange rates for the relevant time period will be used*

(Signature of Authorized Signatory)

Applicant's Seal & Stamp

Signature, Name, Address & Membership No. of Chartered Accountant

APPENDIX 6

POWER OF ATTORNEY

(On a Legal / Revenue Stamp Paper of PAKISTAN OR on the Applicant's letter head officially signed and stamped)

We (name of the company and address of the registered office) do hereby appoint and authorize Mr. / Ms. (full name and residential address) bearing National Identity Card (CNIC) of PAKISTAN OR equivalent as in Applicant's country of origin. (Ref No _____, copy enclosed) who is presently engaged with us and holding the position of _____, as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our EOI /proposal for Procurement of Consultancy Services to Conduct Feasibility Study for Tourist Glass Train from Rawalpindi to Murree in response to the EOI / proposal invited by the Punjab Masstransit Authority including signing and submission of all documents and providing information/responses to Punjab Masstransit Authority in all matters in connection with our EOI / proposal.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this _____ day of _____ 20__

For _____

(Signature)

(Name, Designation and Address)

Accepted

(Signature)

(Name, Title and Address of the Attorney)

Date:

Instructions for preparation of power of attorney

- a)** To be executed by an authorized representative of the applicant / bidder.
- b)** The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- c)** Also, wherever required, the applicant / Bidder should submit for verification of the extract of the charter documents and documents such as a resolution/power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- d)** In case the Application is signed by an authorized Director / Partner or Proprietor of the Applicant, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.