

RFP for

**REPAIR & MAINTENANCE OF CIVIL WORKS FOR MULTAN
METROBUS SYSTEM (MMBS) FROM BZU TO CHOWK KUMHARAN**

Between

PUNJAB MASSTRANSIT AUTHORITY



And

Contractor/Successful Bidder

Dated:



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Important:

- This Request for Proposal ('RFP') does not constitute a binding agreement or an offer or invitation by the Punjab Masstransit Authority (PMA), hereafter referred to as Client, to any party other than the qualified Bidders to submit the Bids. The principal purpose of this RFP is to provide the Bidders with information that shall form the basis of their proposals or bids. This RFP contains the minimum requirements and information desired by the Authority. The contents hereof may be supplemented by the Authority as it deems appropriate. Each Bidder may conduct its own investigations and analysis and check the accuracy, reliability and completeness of the information given in this RFP to its satisfaction. The Authority i.e. PMA makes no representation or warranty and shall incur no liability under any law, rules or regulations as to the accuracy, reliability or completeness of the RFP. The Authority may, at its sole discretion but without being under any obligation to do so, update, improve or supplement the information in this RFP.
- Bidders must ensure that they submit all the required documents indicated in the Bidding Documents without fail. Bids received without valid documentary evidence, supporting documents and various requirements mentioned in the Bidding Documents are liable to be rejected at the initial stage. The data sheets, valid documentary evidences for the critical components as detailed hereinafter should be submitted by the Bidder for scrutiny. It is intimated that no objection/revision/supplement shall be entertained regarding the terms and conditions of the Bidding Documents submitted by the Bidder.
- The Bidders are requested to access the website of Punjab Procurement Regulatory Authority (PPRA) (<http://www.ppra.punjab.gov.pk>) or the Punjab Masstransit Authority

(www.pma.punjab.gov.pk) for all updates on this RFP such as addendums etc.

- This Bidding Process will be governed under Punjab Procurement Rules, 2014, as amended from time to time; and instructions of the Government of the Punjab (GoPb) received during the completion of the operation.

1. Invitation to Bid

1.1 The Punjab Masstransit Authority invites bids for '**REPAIR & MAINTENANCE OF CIVIL WORKS FOR MULTAN METROBUS SYSTEM (MMBS) FROM BZU TO CHOWK KUMHARAN**'

1.2 The **Reserve Price** for this Tender is **PKR 48,778,257/-** and is inclusive of all applicable taxes as per Laws of the Government of Pakistan but is exclusive of Sales Tax on Services which shall be added by the Client over and above the offered amount, as applicable/required under the relevant Tax Laws, to arrive at the Contract Price.

1.3 **Punjab Procurement Rules 2014**, as amended from time to time, shall be strictly followed. These may be obtained from the website of Punjab Procurement Regulatory Authority (PPRA) www.ppra.punjab.gov.pk. In this document, unless otherwise mentioned to the contrary, "Rule" shall mean a Rule under the Punjab Procurement Rules 2014, amended from time to time.

1.4 As competent authority to accept the tender, Purchaser reserves the right to cancel the tender, accept or reject one or all bids without assigning any reason thereof.

1.5 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 bidding 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>

1.6 There shall be no tender fee for downloading bidding document or for submission of e-bids under the e-procurement system.

1.7 This is a National Tender with response time not less than 15 days as per Rule 14.

1.8 Type of Bidding

As per Rule 38(2)(a) i.e. Single Stage - Two Envelope Procedure with respect to e-procurement system shall be followed as under:

- i) The bids (Technical Proposals and Financial Proposals) complete in all respect shall be submitted online by uploading PDF Files on e-PADS.
- ii) Original Bid Security Instrument, Tender Forms, Affidavits, etc. shall be submitted in addition to the soft copy uploaded on the e-PADS.

- iii) Initially, only the Technical Proposal of e-bids shall be opened on e-PADS.
- iv) The Financial Proposals will remain unopened on the e-PADS until the specified time of their opening.
- v) The Technical Proposals will be evaluated in a manner as per the clauses mentioned in this document; and the Technical Proposal(s) which do not conform to the specified requirements as listed in said document will be rejected.
- vi) The Financial Proposals of technically qualified bidders shall be opened publicly on e-PADS at a time, date and venue announced and communicated to the bidders in advance. The Financial Proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders.
- vii) The technically qualified bidder with lowest evaluated Financial Bid will be the successful bidder, subject to approval of the Competent Authority.

2. Bidding Details (Instructions to Bidders)

2.1 All bids must be accompanied by a Demand Draft / Pay Order/ Bank Guarantee **of PKR 800,000/- (PKR Eight Hundred Thousand Only) as bid security in favor of “Masstransit Authority Non-Fare Revenue Fund Account”** issued by a scheduled bank allowed carrying financial transactions in PAKISTAN.

2.2 The bid security in term of Demand Draft / Pay Order/ Bank Guarantee, Tender Forms, Affidavits, etc., must be dropped in Tender Box placed at the Office of the Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore, PAKISTAN, on or before **1200 hours on dated June 04th, 2026**. The Technical bids will be publicly opened in the Committee Room of the Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore at **1230 hours on dated June 04th, 2026**.

2.3 The Punjab Masstransit Authority shall hold a clarification meeting at **1230 hours on dated May 25th, 2026** the Committee Room, Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore, PAKISTAN. The minutes of Clarification Meeting will be made public by uploading on EPADS official website and shall be deemed as part of the RFP. All queries shall be responded to within due time. No query shall be responded if received after the Clarification Meeting.

2.4 The bidders must submit their bids on the basis of complete fulfillment of Requirements. Failure to meet this condition will cause disqualification of the bidders. The bidders shall submit bids which comply with the Bidding Document. Alternative bids will not be considered. The attention of bidders is drawn to the provisions of Clause 24 on **“Determination of Responsiveness of Bid”** regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Document. The contact details for all correspondence in relation to this bid is as follows:

Email: Sajawal_b@yahoo.com (Consultant contract and Procurement)

Engr.asifali1@gmail.com (Procurement Assistant)

Punjab Masstransit Authority

5th Floor, Arfa Software Technology Park (ASTP), Lahore, Pakistan.

- 2.5 Bidders should note that during the period from the advertisement of the tender till the receipt of the bid, all queries should be communicated to the above contact in writing or via e-mail at the above stated address. Bidders are also required to state, in their proposals, the name, title, fax number and e-mail address of the bidder's authorized representative through whom all communications shall be directed until the process has been completed or terminated. Client will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids. As authority competent to accept the tender, Client reserves the right to cancel the tender, or reject all bids prior to acceptance of bid as per PPRA Rule 35.
- 2.6 All bids must be accompanied by bid security as part of e-bid in Favor of "Masstransit Authority Non-Fare Revenue Fund Account" .
- 2.7 All interested bidders are required to register themselves by visiting the following link established by PPRA and become a register supplier under e-procurement system. <https://punjab.eprocure.gov.pk>
- 2.8 After registering on e-procurement system, the potential bidders are required to familiarize themselves with e-PADS which will be the only portal for submission of e-bids.
- 2.9 The e-bids (complete in all respects) must be submitted on e-PADS latest by **1200 Hours on 04th June, 2026**. Physical Bids received through courier service or delivered by the bidder, shall not be accepted. The bidder must submit original Bid Security Instrument, Tender Forms, Affidavits, etc. in an envelope clearly marked with the Tender Name, Bidder Name, Bidder Address and Bidder Phone Number in the office of the Punjab Masstransit Authority located at 5th floor, Arfa Software Technology Park, 346-B, Ferozpur Road, Lahore, Pakistan, on or before **1200 hours on 04th June 2026**, in addition to the soft copy uploaded on the e-PADS.
- 2.10 e-Bids will not be accepted on the e-PADS, after closing time. However, if any e-bid is submitted on the system after closing time due to some technical glitch in the e-PADS, in that case bid shall be declared late, rejected returned unopened to the Bidder.
- 2.11 The Technical Proposals of e-bids will be opened on the e-PADS in the Committee Room of the Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), at **1230 hours on 04th June 2026**. The Financial Proposals will remain unopened on the e-PADS until the specified time of their opening.
- 2.12 Any aforementioned bid documents (need to be submitted in original hard form) received by the Purchaser after the abovementioned deadline for submission of Bids shall be returned unopened to such Bidder. Delays in the mail, delays of person in transit, or delivery of these bid documents to the wrong office shall

not be accepted as an excuse for failure to deliver at the proper place and time. It shall be the Bidder's responsibility to determine the manner in which timely delivery of these bid documents will be accomplished either in person, by messenger, courier service or by mail.

- 2.13 The Punjab Masstransit Authority shall hold a Clarification meeting at 1200 hours on 25th May 2026; in the Committee Room, Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Lahore, PAKISTAN. The bidders in case of any queries for seeking clarifications may send their queries in writing on e-PADS or via e-mail at the above contact detail or at the office of Punjab Masstransit Authority, 5th Floor, Arfa Software Technology Park (ASTP), Main Ferozpur Road, Lahore, PAKISTAN till the clarification meeting or raise them during the Clarification Meeting. All queries shall be responded to within due time. No query shall be responded if received after the clarification meeting. The minutes of Clarification Meeting shall be considered as part of this RFP.
- 2.14 The Bidder must submit proposal in full conformity of the requirements mentioned vide this document. Failure to meet this condition will cause disqualification of the Bidder and subsequent rejection of the relevant proposal. Alternative bids will not be considered. The attention of Bidder is drawn to the provisions of Clauses 16, 24 & 26 on "Preparation / Submission of Bid", "Determination of Responsiveness of Bid" and "Rejection & Acceptance of Bid" respectively before preparing and submitting the proposal.
- 2.15 The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation of bids or delivery of documents required in hard copies (Bid Security, Tender Forms, Affidavits, etc.).

CONTRACT AGREEMENT FOR REPAIR & MAINTENANCE OF CIVIL WORKS FOR MULTAN METROBUS SYSTEM (MMBS) FROM BZU TO CHOWK KUMHARAN

This CONTRACT AGREEMENT is made on this **[date] day[month], [year]** (hereafter referred to as **“Agreement”**)

BY AND BETWEEN

THE PUNJAB MASSTRANSIT AUTHORITY (PMA), established under The Punjab Masstransit Authority Act XXXIII of 2015, having its head office at 5th Floor, Arfa Software Technology Park, 346-B, Ferozpur Road, Lahore, through its Executive Director- I (Operations), PMA (hereinafter referred to as the **“Client”**), which expression shall, wherever the context so permits or requires, mean and include its successors-in-interest, nominees, legal representatives, executors, administrators, transferees, attorneys and permitted assigns, on the ONE PART;

AND

[Contractor Full Name] through its [Signatory Name] having its registered office **[Complete Address]** (hereinafter referred to as the **“Contractor”**) which expression shall include its successors-in-interest, legal representatives, executors, administrators, transferees, attorneys and permitted assigns on the OTHER PART.

The Client and the Contractor are hereinafter collectively referred to as the "Parties" and individually as the "Party".

WHEREAS,

- (a) The Client has invited bids for _____ as described in detail in the Tender Document;
- (b) Upon conclusion of the bidding process, the Client has accepted the bid of the Contractor for a total sum of PKR____; and
- (c) The Contractor, having represented to the Client in its submitted bid, that it has the required professional skills, personnel, technical and financial resources, has agreed to complete the works and provide services on the terms and conditions set forth in this Contract.

NOW THEREFORE, the Parties to this Contract agree as follows:

1. DEFINITIONS

1.1 “Bidder” means a registered company or joint venture that has

been prequalified by the Client under the category of Civil Works and has submitted its bid as per the criteria/specifications listed.

- 1.2 **“Client/Procuring Agency”** means Punjab Masstransit Authority (GoPb)
- 1.3 **“Confirmation”** means confirmation in writing.
- 1.4 **“Contract”** means the contract proposed to be entered into between the procuring entity and the Bidder, including all attachments, appendices, and all documents incorporated by reference therein.
- 1.5 **“Contract Price”** means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
- 1.6 **“Contractor”**: The one technically qualified bidder with lowest financial bid, who has the probability of award of contract for repair works of civil works, subject to necessary approvals and applicable policies.
- 1.7 **“Defect Liability Period”** means the period starts after completion of all works.
- 1.8 **“Engineer In-charge”** means concerned Engineer /Assistant Director Operations MMBS/ Field Inspector of PMA.
- 1.9 **“GoPb”** means Government of the Punjab.
- 1.10 **“GoP”** means Government of Pakistan.
- 1.11 **“MMBS”** Multan Metrobus System.
- 1.12 **“NJB”** means New Jersey Barrier.
- 1.13 **“Non-Operational Hours”** means non-operational hours of MMBS during 11:45 PM to 5:00 AM.
- 1.14 **“PMA”** is a Punjab Masstransit Authority, established by the Government of Punjab.
- 1.15 **“PPEs”** means Personal Protection Equipment
- 1.16 **“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, as amended from time to time.
- 1.17 **“Proposal”** means the Financial Proposal for the provision of the Services submitted by a bidder in response to RFP.

- 1.18 “RFP”** means Request for Proposals, including any amendments that may be made by the procuring entity for the selection of bidder.
- 1.19 “SCC”** means the Special Conditions of Contract.
- 1.20 “Services”** means the services to be provided by the Contractor under the Contract.
- 1.21 “TEC”** means the Tender Evaluation Committee, constituted for the purpose of evaluating the Proposals received.
- 1.22 “Terms of Reference” or “TOR”** means the document which explains the objectives, scope of work, activities, task to be performed, respective responsibilities of the procuring entity and the bidder, and expected results and deliverables of the assignment.
- 1.23 “Works”** means work to be done by the Contractor under the Contract.

2. The following shall be deemed to form and be read and construed as part of this Contract:

- 2.1 Letter of invitation of bid /RFP
- 2.2 Bidder Eligibility Criteria
- 2.3 Bidder Technical Proposal
- 2.4 Bidder’s Financial Proposal
- 2.5 Acceptance Letter (Letter of Intent)
- 2.6 Terms and Conditions of the Contract
- 2.7 The Technical Specifications
- 2.8 Price Schedule Form
- 2.9 Pre-qualification Documents/Affidavit(s)

3. This Contract shall prevail over all other documents. In the event of any discrepancy

/ Inconsistency within the Contract, the above Documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the Client to the Contractor, the Contractor hereby covenants with the Procuring Agency to provide the goods and

Services and to remedy defects therein in conformity in all respects with the provisions of the Contract Agreement.

5. The Client hereby covenants to pay the Contractor in consideration of the provision of the Works and Services and the remedying of defects therein; the Contract Price or such other sum as may

become payable under the provisions of the contract at the times and in the manner prescribed in the Contract Agreement.

6. The Contract Agreement may be varied or amended only by mutual consent of the Parties. All such variations and amendments shall be binding only if they are in writing and signed by the duly authorized representatives of the Parties as per FIDIC regulations 2017.
7. A waiver by either Party, in respect of any obligations under the Contract Agreement, shall only be effective if it is agreed upon by the other Party in writing and specifically expressed as a waiver and shall not operate as, or be construed to be, a waiver of any other obligation or provision of the Contract Agreement.

IN WITNESS WHEREOF, the Parties have caused this Contract Agreement to be executed by their duly authorized representatives on the day, month, and year first above written.

For and on behalf of the Client:

For and on behalf of the Contractor:

Name _____

Name _____

Designation _____

Designation _____

Witness:

Witness:

Name _____

Name _____

CNIC _____

CNIC _____

2. QUALIFICATION CRITERIA

I. **Eligibility:** A minimum requirement for eligibility shall be:

- a. Must be a Sole Proprietor, registered Company with, AOP/SECP. This applies to all members of JV
- b. Registration with Pakistan Engineering Council (PEC) for at-least C-4 Category (this must be applicable for all Member of the JV)
- c. All applicants must have income tax registration. This applies to all members of JV
- d. Applicants have never been blacklisted with any Government Organization. This applies to single applicants, Association of persons and all members of Joint Venture.
- e. Passing Points are 65. The bidder must score at least 50% of the Points in each of the category.

II. **Evaluation Criteria:** Evaluation Criteria shall be the following;

a. GENERAL EXPERIENCE:

Sr. No.	Description	Max Points	Detail Of Points
1.	Projects worth PKR 50 million or more of similar nature (Construction/Maintenance) completed during last 05 years.	20	05 or more projects = 20 Points 03 to 04 projects = 15 Points 01 to 02 projects = 10 Points
2.	Projects worth PKR 20 million or more of similar nature (Construction /Maintenance) in hand.	10	03 or more projects = 10 Points 01 to 02 Projects = 05 Points
4.	Status of active enlistment with at least 02 other Government Organizations and agencies.	05	Yes = 05 No = 00
Sub Total			35

b. PERSONAL CAPABILITIES:

Sr. No.	Description	Max Points	Detail Of Points
1.	Number of Engineers (BSc / BS) Civil Engineer in Employment of the Firm. 1. Numbers of Engineers 2. Experiences of Engineers	08 07	<p>No. of Engineers: <u>02 Points for each Engineer & max. of 08 Points are given</u></p> <p>Experience: 07 Marks will be given if the individual experience of at least 3 no. of B.Sc. Engineers is equal to 08 years or above. For less than 3 no of B.Sc. Engineers having individual experience of 5 years, marks will be given as per following formulas: $= (A/3) * 7$ A = No. of Engineers having individual experience of 05 years or above.</p>
2.	Experience of Diploma Technicians in number of Years. 1. Number of Diploma Civil/Elec/Mech Engineers 2. Experience of Engineers	05 05	<p>No. of Engineers: <u>01 Point for each Engineer & max. of 05 Points are given.</u></p> <p>Experience: 05 Marks will be given if the individual experience of at least 4 no. of diploma Engineers is equal to 05 years or above. For less than 4 no of diploma technicians having individual experience of 5 years, marks will be given as per following formulas: $= (A/4) * 5$ A = No. of Engineers having individual Experience of 05 years or above.</p>
Sub Total			25

c. EQUIPMENT CAPABILITIES:

Sr. No.	Description	Max Points	Detail Of Points
1.	List of Equipment's	10	01 Point of each equipment and max of 10 points are given (Contractor has to submit the relevant documents)
Sub Total			10

d. FINANCIAL SOUNDNESS:

Sr. No.	Description	Max Points	Detail Of Points
1.	Available Bank Credit Line	05	Less than 30 million = 00 Points 30 to 60 million = 2.5 Points More than 60 million = 05 Points
2.	Working Capital & Turnover for Last 03 Years	10	Less than 70 million = 00 Points 70 to 120 million = 5 Points More than 120 million = 10 Points
3.	Active Tax Payer List	05	No Point shall be given in case of In-Active
4.	GST Registrations	05	No Point shall be given in case of In-Active
5.	Blacklisting	05	No point shall be given in case of Blacklisted
Sub Total			30
Total Points			100

3. SCOPE OF WORK

a. Specific Requirements:

- I. The Contractor shall perform repair, maintenance and full replacements of civil works of Metrobus stations and corridor of Multan Metro Bus System (MMBS) in all respect including but not limited to structural glazing comprising of 24mm thick double glazed tempered glass, structural glazing comprising acrylic glass 4mm, vinyl flooring 4mm, aluminum composite panel (ACP) 4mm, paintworks, corridor fences, expansion joints, track repair maintenance works, false ceiling, station logos, NJ Barrier, corridor drainage pipes, arrangement of plants & planters, stainless steel railing, handholds, stainless steel waiting benches, sign boards, signage, lettering and printing of signage/direction boards, tuff tiles, pre- polished granite/marble, floor tiles, fiber sheets, ticketing booth, security room, Genset area civil works, Dustbins, steel structure of stations, underground water tanks, stations roof, water proofing of roofs, any possible solution suggested by the client to block the entrance of birds through drain channel or from any other space, underpasses tiles, drainage system for corridor and stations, emergency doors, louvers, data cabin, station iron and stainless steel gates, shutters, provision of materials/accessories where required and any other works as deemed necessary to be executed as directed and indicated by the Engineer in charge.
- II. The Contractor shall perform corrective and preventive maintenance as per the scope of work and as per the schedule approved/provided by Client. Maintenance reports will be submitted as per the schedule provided in table 7.1.
- III. The Contractor shall be responsible to ensure the timely completion of work as per the deadline given in table 7.1 or specified by the Client in work order. However, in case of delay penalty shall be invoked as per the penalty mechanism.
- IV. In case of work to be executed other than the items specified in the price table, Client may issue a work order to the Contractor. For issuance of work orders, the Contractor shall upon Client's directions submit a cost proposal along with any other particulars that may technically apply. The Client shall on receipt of such proposal, evaluate, review and approve the cost and other particulars through a work order issued to the Contractor, to procure such contents stipulated in the proposal with/without any modifications thereof, subject to mutual agreement between both Parties. The Client shall reimburse the cost of Contractor for the works executed through work orders upon submission of invoice with valid evidences to establish cost by the Contractor.

- V. The specifications of all goods and materials supplied under this Contract must strictly comply with the specifications provided herein. In the event that no specifications are provided for a particular item or work, the goods or materials shall conform to the standards of similar works or items previously executed at the site, subject to the Client's approval. Inferior quality work and items shall not be acceptable.
- VI. The contractor shall provide well trained personnel/team for the execution of repair and maintenance works.
- VII. The Contractor must obtain written permission/permit from the Client prior to performing any repair or maintenance work within the corridor and at metrobus stations. The Contractor is responsible for providing the names of personnel and vehicle registration details to facilitate the timely issuance and renewal of entry permits by the Client.
- VIII. The Contractor shall promptly notify the Client of any changes to the schedule, work plan, or workforce. Such changes shall only be implemented upon receiving the Client's written approval.
- IX. The Contractor shall maintain an adequate inventory of all items, based on prevailing demand, to ensure timely replacements of goods that are not readily available in the market.
- X. The contractor shall provide repair and maintenance services as assigned by the client on a shift basis for a period of 24 months, including Sundays and public holidays, as directed by the client.
- XI. The Punjab Masstransit Authority, Government of Punjab (GoPb), hereby invites proposals (hereinafter referred to as "Tenders") for the repair, maintenance, and replacement (as determined by the Client) of civil works related to the Multan Metrobus System (MMBS), as specified in this document. The scope of work to be executed by the Contractor is listed below:
 - i. Emergency Doors
 - ii. Station Logos
 - iii. NJ Barrier
 - iv. Expansion Joints
 - v. Potholes & Corridor Maintenance
 - vi. Aluminum Composite Panel (ACP) Cladding Sheets
 - vii. Paint works
 - viii. Aluminum Louvers works
 - ix. SS Railing Works
 - x. Tuff tiles, Underpasses floor and stair tiles and hand holes
 - xi. False ceiling and supporting frame
 - xii. Station signage
 - xiii. Stainless Steel Benches
 - xiv. Steel structure of stations, Steel Corridor Fences
 - xv. Aluminum windows with glass

- xvi. Plants & Planters
- xvii. Ticketing booths
- xviii. Data Cabin & Security Room
- xix. Genset Area Works
- xx. Dustbins
- xxi. Water Pumps DB and Water Tank Works
- xxii. Docking rubbers and other road furniture
- xxiii. Corridor Lane Marking
- xxiv. Track Maintenance
- xxv. Station Roof Maintenance & Covering of Openings for stopping birds' entrance into the ceiling
- xxvi. Stairs Maintenance Works
- xxvii. Civil Works & Paint Issues
- xxviii. Handling of scrap for PMA stores
- xxix. Periodic maintenance of facilities
- xxx. Any other work as deemed necessary to be executed in the light of Client directions.

b. Aluminum Composite Panel (ACP) Works:

- i. ACP are installed at platforms and pedestrian bridges. These are installed to provide protection against rain and other weather conditions to equipment's and commuters. Contractor shall be fully responsible for the repair & maintenance including strengthening and waterproofing of the existing ACP.
- ii. Providing and fixing in position metal cladding comprising of 4mm thick aluminum composite panel (0.5mm thick aluminum sheets from both sides cover with polyethylene core) of approved color, riveted with 25mm x 50mm x 1.6mm aluminum box sub frame fixed over steel structural members, including red oxide paint over steel frame, all aluminum joint sealed with silicone sealant, up to any height, according to required shape with all incidentals to complete the job in all respects (ALUCOBOND, ALPOLIC, ALUWEDO or approved make) as approved and directed by the Engineer In charge.

c. Paint Work

Paints shall be applied at stations structure including but not limited to steel structures, data cabin, ticketing booth, doors, washrooms, water cooler stands, water tank covers, Genset

area louvers, electrical distribution panels, Generators canopies, transformers, fences or where required and suggested by the client. Paint work shall be done according to the following specifications/methods:

- i. Polyurethane paint, Weather shield paint and Emulsion Oil Paint
- ii. Preparing surface and painting with Matt/Glossy high chemical resistant/ hardwearing Poly urethane paint (Epoxy Paint) by sprayer/Brush i/c the cost of Primer coat, all material and labor complete in all respects, as approved and directed by the Engineer in charge.
- iii. Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect, as approved and directed by the Engineer in charge.
- iv. Assessment of existing paint condition and submission of report to client for decision.
- v. Removal of all corrosion and paints from structure. Cleaning of old paint, Oil, grease and other contaminants shall be removed in accordance with procedures from Steel Structures Painting Council specification SSPC like SSPC-SP 1 SSPC-SP 2 or SSPC-SP 3
- vi. New paint should meet the existing standards of paint. Contractor shall seek approval of paint specification from client before the execution of work.
- vii. The contractor shall provide all labor, materials, tools, supplies, equipment, transportation, crane, scaffolding, ladders and supervision necessary to perform work.
- viii. Use paint colors which have already been applied at structure. Before execution of work contractor shall take approval of color and quality from the client.
- ix. PMA may recommend paint test to assess the quality of paint and associated cost shall have borne by the contractor.

d. Aluminum Louvers Work

- I. Supply & Installation of Electrostatic Oven cured Powder coated / extruded anodized rectangular / Square aluminum louver duly fixed in frame of specified thickness for intake / Exhaust air with fine finishing, as approved and directed by Engineer In charge.
- II. Repair and maintenance of existing louvers including all necessary hardware, tools, labor, machinery, ladders, scaffolding etc. for proper

fixing complete in all respect and directed by Engineer In-charge.

e. **Structural Glazing Work**

- I. Providing & fixing curtain walls - providing and fixing of aluminum 4-way structural curtain wall system in 64mm x 145mm section thickness 6mm in powder coating (of approved finish by engineer) including galvanized brackets, joiners, n.v. rubber gasket, nickel plated screws, galvanized bolts & nuts, silicone sealant and expansion anchor with 24mm thick double glazed tempered glass (6mm thick of approved sample tempered + 12mm air space + 6mm glass of approved color by Engineer).
 - Note: Strengthening / jointing arrangements of new sheet as per requirement of PMA
- II. Providing and fixing in position structural glazing comprising acrylic glass 4mm fixed with Aluminum Foil, Rubber Gaskets & Silicon Sealants, including all incidentals to complete the job in all respects as per drawing.

f. **Tuff tiles, Underpasses/Platforms Floor and Stair Tiles**

Tuff tiles paver: Rehabilitation works shall be required for damaged tiles which may be in form of leveling of tuff tiles or re-fixing of tiles. Rehabilitation works shall be done in following manners:

- I. Prepare the surface with sand cushion and lay the availed tuff pavers in slope.
- II. In case of new tuff tiles Contractor shall provide and lay the pavers having crushing strength of 3000-7000 PSI over 2"to3" sand cushion or as approved and directed by the Engineer In-charge.
- III. Stacking and transportation of debris from site to disposal site.
- IV. Contractor shall be liable to provide material labor and machinery.

g. **Marbles and Tiles**

Marbles and Tiles: Providing and fixing for underpasses floor, stairs and platform floors etc. For this work shall be performed or executed according to the following specifications:

- I. Removal of damaged tiles and preparing and leveling of surface with cement sand plaster or adhesive bond.
- II. Stacking and transportation of debris from site to disposal site.

- III. Precautionary measures for protection of existing tiles against any damaged.
- IV. Providing and laying light/dark pigmented Mosaic tiles of specified size and color flooring approved by the Engineer In charge.
- V. Providing and fixing of Tactile tile laid in 1:2 cement sand mortar over $\frac{3}{4}$ inch thick cement sand mortar 1:2 i/c grinding and polishing.
- VI. Providing & fixing of approved anti-skid color / matt porcelain tiles (300mm x 600mm as approved by the Engineer imported UAE/Thailand tiles or any other equivalent) laid in 1:2 cement sand mortar over $\frac{3}{4}$ inch thick cement sand mortar 1:2
- VII. Providing and fixing Marble (approved Quality & type) tiles of approved
- VIII. shade in one-piece $\frac{3}{4}$ " Thick on Tread with 1:4 Cement sand mortar base of required thickness, washing the tiles with white cement mixed with pigment of matching color including curing, rubbing, chemical polishing etc., complete in all respect and as per direction of the Engineer In charge.
- IX. Providing & fixing of approved anti-skid color / matt porcelain tiles (300mm x 100mm as approved by the Engineer imported UAE/Thailand tiles or any other equivalent) laid in 1:2 cement sand mortar over $\frac{3}{4}$ inch thick cement sand mortar 1:2.
- X. Providing and fixing Marble tiles (approved Quality & type) 12" x 4" of approved shade $\frac{1}{2}$ " Thick 1:4 Cement sand mortar base of required thickness to achieve a minimum over all finished thickness 1", washing the tiles with matching color grout including curing, rubbing, chemical polishing etc., complete in all respect and as per direction of the Engineer.
- XI. Providing and laying superb quality Ceramic tile floors of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over $\frac{3}{4}$ " thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer In charge.
- XII. Dismantling of existing damaged marbles for stairs & platforms and providing and laying of Marbles tiles (thickness to be specified by the manufacturer) with mortar (1:3) complete in all respects specification should be meet or exceed the existing tiles specifications, as approved and directed by the client.
- XIII. Providing and laying $\frac{3}{4}$ " thick Pre-Polished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over $\frac{3}{4}$ " thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer In-charge.
- XIV. Providing and laying 1" thick terrazzo tile for specified color & size

full body, best quality with minimum 5000 PSI in approved design with adhesive bond over 3/4" thick 1:3 cement plaster i/c the cost of sealer for finishing the joints i/c cutting, grinding, rubbing, filling complete in all respect as approved and directed by the Engineer In-charge.

h. False Ceiling and Supporting Frame

False ceilings are installed for stations platform roofs. Regular/periodic and corrective maintenance shall be required for maintenance and rehabilitation of ceiling panels and its frame. Work shall be performed according to the following manners and as per the specifications given in price table:

- i. Strengthening of existing frame.
- ii. Fixing of panels with frames and dressing of electric cables.
- iii. Repairing and reinstallation of panels.
- iv. Supply and fixing of new panels in replace of damaged one.
- v. Repairing and fixing of existing channel framework that support ceiling panels
- vi. Supply and installation of new ceiling support network including new channels, beams and vertical rod to improve strengthening of existing system.
- vii. Submit shop drawings for approval before commencement of the project detailing frame strengthening system, plan, cross sections, joinery details etc. in case of change in design.
- viii. Ensure optimum strengthening of the framework and panels through jointing arrangements.
- ix. Be responsible for falling of ceiling panels and weakening of framework due to wind storms or any other event throughout defect liability period. In case of any such event, rectifications if any shall be done by the Contractor without claiming any cost.
- x. Installed panels shall be cleaned from any dirt before handing over to the Client after installation.
- xi. Ensure that all newly installed, replaced, or repaired panels are thoroughly cleaned of any dirt or debris prior to being handed over to the Client upon completion of the work.
- xii. All work shall be conforming to specifications specified in price table.

i. Station Signage

- I. The Contractor shall be fully responsible for the repair and maintenance of the existing inventory of sign boards installed at the

stations and within the corridors.

- II. Lettering and printing of signage/direction boards/road delineators of any color by machine i/c cost of Digital Lettering, Lamination & pasting etc. complete in all respect.

- a) High Intensity Prismatic (HIP) Tape
- b) 3M Diamond Grade Reflective Sheet

- III. Providing, fabrication and fixing Vertical Post comprising of medium quality G.I Pipe of specified diameter, including the cost of clamping arrangements, top cover, hold fasts, PCC 1:2:4 footing of specified depth and excavation etc. complete in all respect, as approved and directed by the Engineer In charge.

- c) 3-inch diameter (footing 1.5' x 1.5' x 5')

i. Stainless Steel Benches

- I. Supply, Fixing / Installation of Stainless-Steel Waiting Benches, 32 Kg Chromed, High Quality, Water-Proof, Strong and Durable, Silver color, Comfortable Seats of approved quality as directed by the Client.
- II. Repair & Maintenance of the existing stainless-steel benches including welding works, fixing of arms, chairs, polishing, painting, leveling etc. including all necessary tools, nut bots, washers, welding rods, and other material for proper maintenance works.

j. Manhole Covers & Drain Water Channel

- I. Supply, fixing and installation including repair & maintenance of manhole covers of specified size complete in all respect as per site requirements/specifications.
- II. Repair & maintenance of drain water channels complete in all respect as per site requirements.

k. Stations Steel Structure, SS Works, Station/Corridor Fences, Shutter Works

- I. Contractor shall be responsible for the repair and maintenance including but not limited to the existing structure, Stainless steel railings, fences installed at stations and corridors, entry/exit gates, emergency gates, shutters, manhole covers and trenches etc. which

includes and upon requirement new installation structures in all respects as per the given below mentioned scope and according to the price table: -

- i. Installation of new GI sheets for station platform drainage along the platform edges.
- ii. Cleaning of Platform roof drainage/gutter.
- iii. Provide and installation of corrugated GI sheet for protection against wind and rain.
- iv. Supply and installation of Checker plate grade A30 embossed tread of thickness 5mm for bridges floor.
- v. Installation of new stair railing and repairing of damaged railing. Fixing must be done with 3" long screw. and wall mounted hand rail.
- vi. Supply and installation of Aluminum windows frame and glass.
- vii. Supply and installation of the SS pipes of 0.5", 1", 2" and 3" dia or as per the site requirement.
- viii. Supply and installation of Iron rods for fences.
- ix. Repair & maintenance of corridor entry/exit gate and intersections / crossing points.
- x. Welding and fixing of damaged iron, SS pipes and fences panels.
- xi. Supply and installation of Aluminum windows and glass.
- xii. To fix doors and louvers installed for the generators area.
- xiii. To repair SS free gates installed near turnstiles
- xiv. To prevent water leakages and rusting of steel structures by using appropriate measure like silicon and other epoxies.
- xv. Any other repair work as per the requirement of sites related to the steel/iron.

I. Rehabilitation of Docking Rubber / Rubber Guard Edge Beam

- I. Providing and Fixing of Rubber Guard with Diamond Grade Reflective strips for platform nose protection.
- II. Docking rubbers are installed alongside the platform for buses. Contractor shall be responsible for installation of new docking rubbers and also make ensure maintenance/repairing of damaged rubber if possible.

m. Ticketing Booth, Data Cabin & Security Room

There are twenty-one (21) ticketing booths, data cabins and

security rooms at Metrobus stations. The Contractor shall execute the following works for ticketing booths repairs and maintenance.

- i. Fabrication of Ticketing Booth with Steel Structure A-36 i/c doors, windows complete as per design and specifications and as per site requirement.
- ii. Supply and Installation of MDF Laminated lasani wooden sheet of thickness 8mm fitted with aluminum border, Patti and channel for inside of ticketing booths, data cabins and security rooms.
- iii. Apply the appropriate solution to prevent water leakage from roof and around the ticketing booths, data cabins and security rooms.
- iv. Supply and fixing of fiber sheets for bottom of the outside area of ticketing booths.
- v. Rehabilitation of ticketing booths, data cabins and security rooms floors.

n. Installation of Gates/Grill/ Fencing

Supply/installation/fixing of new MS Sliding/fixed Gates at the entrance points of Metrobus stations as identified by the Client including polyurethane paints complete in all respects. The specifications of grill are as follows:-

- i. 16 SWG 6"x2" M.S frame of the grill.
- ii. 16 SWG 4"x2" M.S as Main & Distribution Rods/Bars having 8" c/c spacing.
- iii. The length of items # I & II will be adjusted to the clearance height of 7 feet for Emergency Gate.
- iv. Item # I & II includes welding of main frame of sizes varies depending upon station with Main & Distribution Bars, including joints, welding, formation of foundation and polyurethane paint complete in all sense and complete satisfaction of the Engineer.

4. HUMAN RESOURCE REQUIREMENT FOR CORRECTIVE & PREVENTIVE MAINTENANCE

The human resource requirements for preventive and corrective maintenance are detailed in the table below:

- a. Service Provider will perform complete preventive and corrective maintenance of 21 MMBS station and 18.5 Km corridor. The schedule of preventive and corrective maintenance is given as below: -

Sr. No.	Description	Preventive/ Schedule Maintenance	Corrective Maintenance	Corrective Maintenance Resolution Time
1.	False ceiling panels	Twice a month	As per the Requirement	24 hours
2.	ACP sheet & Cladding sheets	Twice a month	As per the Requirement	24 hours
3.	Signs boards	Twice a month	As per the Requirement	24 hours
4.	Expansion joints	Twice a month	As per the Requirement	24 hours
5.	Docking rubbers	Twice a month	As per the Requirement	24 hours
6.	Ticketing booth(any sheet repairing leakage etc.)	Twice a month	As per the Requirement	24 hours
7.	Corridor & station fences	Twice a month	As per the Requirement	24 hours
8.	Benches	Twice a month	As per the Requirement	24 hours
9.	Cleaning & fixing of drain pipes of all structure	Twice a month	As per the Requirement	24 hours
10.	Tightening & fixing of Glass	Twice a month	As per the Requirement	24 hours
11.	Oiling / Greasing of shutters, gates	Twice a month	As per the Requirement	24 hours
12.	SS Pipes/railing and removal of rust.	Twice a month	As per the Requirement	24 hours

13.	Free gates/Ticketing booth door/generator door, emergency exit doors etc.	N/A	As per the Requirement	24 hours
14.	Doors locks and hinges	N/A	As per the Requirement	24 hours
15.	RCC slabs adjustment and their repair/maintenance	N/A	As per the Requirement	24 hours
16.	Any other issue communicated by the Client	As per the Requirement	As per the Requirement	-

Corrective Maintenances of above-mentioned works is only limited to the repairing, fixing, welding and alignment etc. However, if the Client fails to hand over the site or equipment to the Contractor for the performance of repair and maintenance activities, an adjustment to the resolution time will be made or the timeline may be deferred accordingly.

In case of new installation, work order shall be issued by the Client as per the specification and rate given in price table.

- b. Maintenance teams shall be available and perform repair and maintenance activities in accordance with the requirements specified in **Table 7.6**. Additionally, night team shall be assigned to work during night shifts for activities that cannot be performed during operational hours.
- c. The Contractor shall appoint at least one Maintenance Engineer, designated as the Team Leader, who holds a minimum degree of DAE in Civil Technology and has a minimum of 5 years of relevant experience with the consent of Client. The Team Leader will be responsible for supervising and coordinating all the repair and maintenance activities at the site and managing the field team.
- d. Additionally, a computer-proficient representative, holding at least a BSc in Civil Engineering/Technology and possessing a minimum of 1 years of relevant experience, with strong oral and written communication skills, shall be stationed in the Control Room during office hours (General Shift). This representative, equipped with a computer or laptop, will facilitate close liaison and coordination with the Client's representatives and the field

team to ensure the smooth execution of repair and maintenance activities. Further, the control room representative will generate a report identifying areas where maintenance is required and suggesting the items required for maintenance in order to process the issuance of work orders.

- e. The Service Provider shall remain fully responsible for all contractual obligations. If, during the execution of work or services, additional workforce is required to ensure the timely completion of tasks or activities, the Service Provider shall deploy the necessary resources to address the shortfall. Any withdrawal or redeployment of field or Control Room staff beyond the minimum requirement must be approved in advance by the Client.
- f. The maintenance team shall consist of skilled personnel and Labor/helpers capable of performing all the specified maintenance activities: -

Working Shifts	Minimum Requirement of Maintenance Team
General Shift (09:00 am to 05:00 pm)	<ul style="list-style-type: none"> i) Supervisor (01) ii) Skilled Workers (01) iii) Helper (01)
Night Staff (10:00 pm to 6:00 am)	<ul style="list-style-type: none"> i) Supervisor (01) ii) Skilled Workers (01) iii) Helper (01)
Maintenance Engineer (Team Leader)	1
Control Room Representative	1

- g. All necessary machinery and equipment for corrective & preventive maintenance activities shall be arranged by the Contractor. Mainly equipment/machinery will be the welding plant along with MS/SS rods and appropriately sized lifter/crane and ladders as per site requirement, etc.
- h. The contractor shall not utilize the corrective and preventive field team to perform any works listed in the price table.
- i. The Contractor shall ensure that the minimum wage rates for the aforementioned human resources as per the MRS Rates – Multan (Labor Rates) and will furnish valid salary disbursement evidence in next proceeding.
- j. The Control Room Representative will be responsible for

including but not limited to the following duties:

- i) Establishing and maintaining close liaison and coordination with the Client's Control Room staff.
 - ii) Reporting maintenance issues related to stations and corridors promptly.
 - iii) Submitting daily reports on issues, problems, and their resolutions.
 - iv) Preparing and submitting maintenance schedules and mobilization plans for the repair and maintenance team.
 - v) Communicating instructions and coordinating closely with field staff.
 - vi) Monitoring and tracking the progress of maintenance activities.
 - vii) Ensuring compliance with safety and quality standards.
 - viii) Coordinating with the Client to address any urgent or unexpected issues.
 - ix) Maintaining accurate records of maintenance activities and resource utilization.
 - x) Providing updates and status reports to the Client as required.
 - xi) Fully complying with any additional instructions provided by the Client.
- k. Prepare various report formats and get them reviewed and approved from Client as and when required.
- l. Maintenance team shall be responsible for all type of maintenance activities pertain to scope of work.

5. DURATION OF THE CONTRACT

The duration of the Contract shall be one (01) year. However, the Contract may be extended for an additional one (01) year as per PPRA rules, with mutual consent of both parties and on same rates' subject to satisfactory performance of the Contractor.

GENERAL REQUIREMENTS.

- i. Take all necessary safety measures during repair works to prevent any accident. In case of any injury/death caused due to negligence in such measures during or after the construction, a penalty of 25% of the bid value shall be levied. In addition, the Contractor shall bear all legal claims and court actions, if any, solely on his own. Disputes in this regard, if any, shall be dealt according to the Arbitration Act 1940.
- ii. Deploy adequate number of suitably skilled and well-equipped staff for the execution of the works. The Contractor shall ensure and be entirely responsible for the safety of his working staff and for the safety of other personnel inside the work- zone.

- iii. Conduct all activities such as mobilization, extraction, removal, dismantling and reinstallation in safe manner.
- iv. Be responsible for security of material/equipment/machinery during execution of work at a particular construction site. PMA shall not be responsible for any kind of theft or damage during work execution. In such an eventuality, the damage recovery shall be on part of Contractor. All access material shall be removed from the site immediately within one day after the completion of works.
- v. Transport scrap if any to designated PMA store.
- vi. All the payments will be made as per actual work performed by the Contractor.
- vii. Be liable to compensate the Client for any damage caused to the property or daily operations of MBS, or for any damage caused to any other service provider that is directly attributable to the repair Works/Services or for damage caused by any employee of the Contractor or otherwise. In such case the damage cost shall be assessed by the Client and his verdict shall be final.
- viii. Seek appropriate approvals, schedules and permissions from the Client for working inside the corridor and stations including but not limited to carrying any work force / material /equipment / machinery.
- ix. Be responsible for contract termination, barring from participation in the next tenders and forfeiture of defect liability amount in case of continuous negligence in meeting the time lines, for non-serious behavior of contractor towards work or for causing unreasonable delays. In such case PMA shall have the right to terminate the contract for default and engage another contractor for completion of works.
- x. The Contractor shall be liable to pay damages as per actual specification for any loss incurred or any damage caused to movable or immovable property of the Client, on account of sub-standard, deficient or inadequate Services, or Services for reasons directly and solely attributable to the Contractor.
- xi. The Client shall not accept any responsibility of the designated personnel in the event of death, injury, disablement or illness that may take place while performing/executing the contract. Any compensation, expenditure and legal liability towards the treatment of such injury or loss of life shall be the sole responsibility of the Contractor.
- xii. The contractor will be responsible to secure the work area by erecting appropriate barriers, including caution tape and a clearly visible signboard indicating that work is in progress. Violation may result in a penalty.
- xiii.** Be responsible for penalty in case of any non-compliance to the scope of work other than the liquidated damages according to

service level given in below table.

- xiv. The Contractor shall be responsible for furnishing all labor, uniforms & equipment for proper discharge of duties & services.
- xv. The Contractor shall ensure that none of its personnel neither report to duty nor perform duty under the influence of alcoholic beverages or intoxicating substances etc.
- xvi. The Contractor's whole staff shall, at all times, be polite, courteous, respectful and responsive to passengers, Authority officers, other service providers etc.
- xvii. The Contractor agrees to ensure that employee is present and performing their duties as outlined in the Scope of Work on all scheduled workdays, unless otherwise authorized by the client.
- xviii. The Contractor shall facilitate the client to inspect its services at any time. Further, the contractor shall furnish staff list containing detail of maintenance team with their basic information (Name, CNIC, Designation, Mobile Number etc.) and registration of vehicle used for maintenance works whenever required.
- xix. The Contractor shall agree to remove from site, whenever required to do so by client, any employee considered by the client to be unsatisfactory or undesirable, with respect to the provision of repair & maintenance contract.
- xx.** Penalties shall be levied solely due to inadequate maintenance/negligence/fault on part of the Contractor.
 - Whenever maintenance issues or fault occurs in at stations and corridor of Metrobus station, MA control room representative will inform to service provider. Service provider will resolve the complaint and inform back to PMA control room representative. Penalties will be calculated delay in to resolution time noted by PMA control room representative. Complaint log book format will be decided by Client.
 - Maximum penalty shall not exceed 20% of the monthly services/maintenance price. However, payment to HR shall be calculated separately as per their attendance record and there shall be no capping.

Sr. No.	Fault Categories	Fine at the end of Month (PKR)
1	Resolution time exceed as mentioned in work order for corrective Maintenance.	Penalty per Incident = 3000 x N N = No. of exceeded day(s) from given timeline
2	Delay in Schedule maintenance as per the deadline mentioned in table	Penalty per Incident = 2000 x N N = No. of exceeded day(s) from given

	7.1	timeline
3	Carrying-out repair and maintenance works without seeking any permission from PMA	1,000/- Per Instance
4	Staff found absent from duty	Penalty per Incident = 1500 x N x No. of person absent from duty N= No. of day(s)
5	Damage to PMA Property solely on part of the Contractor.	10,000/- (To be replaced / repaired by Contractor as per original specifications and timelines issued by PMA. Delay in timelines will be subjected to additional penalties from PKR 1000/- to 20,000/- as per Client's decision)
6	Falsification of Facts and Information or breach of confidentiality of information/documents	5,000/- per instance
7	Any act/instance which is non-conforming to Authority's Rules / Regulations / Contract/ Disobedience of Instructions given by PMA.	5,000/- per instance/day
8	Replaced / Installed parts are of inferior quality than specified in the procurement contract.	10,000/- (In addition, immediate replacement with parts as per specifications of the procurement contract and timelines defined by PMA. Delay in timelines will be subjected to additional penalties from PKR 1000/- to 20,000/- as per Client's decision)

- xxi. Serve a defect liability period depend on manufacturer recommendation which start from the issuance of completion certificate from the Client. However, where defect liability period is not available then the defect liability will be six (6) months. Any

non-compliance observed during the defect liability period / warranty period shall be addressed immediately in accordance with the timeline mentioned in the work order from the Client. Failure to do so shall result in deduction of withheld amount according to the following rule: -

- Penalty per instance in PKR = Delay in number of days x 1000

- xxii. Work orders will be issued by Client on demand or as per the requirement of site and their payment will be paid after the completion of work or subject to the field verification. The defect liability period for work done against each work order will be the warranty period or (06) six months whichever is later. Ten percent (10%) amount from each work order will be withheld on account of defect liability/warranty period.
- xxiii. The Contractor shall be obligated to execute the quantities specified in the Work Orders issued from the Price Table. Failure to comply with the assigned quantities may result in forfeiture of the Performance Bank Guarantee and imposition of penalties in accordance with the applicable penalty mechanism of the Contract outlined in General Requirements.
- xxiv. If the Contractor delays the completion of the quantities specified in the issued Work Orders without any valid justification or approved extension event, the Client reserves the right to withhold the Contractor's monthly service invoice until satisfactory progress or completion of the assigned works is achieved, in accordance with the terms and conditions of the Contract.
- xxv. The above-mentioned scope may include design services if required by the Client.
- xxvi. Work execution and Supply items should compliance with the existing works/items. Inferior quality work and items shall not be acceptable.
- xxvii. Report all missing and damaged goods/material during maintenance at MBS stations and corridor.
- xxviii. The Contractor shall provide name of personnel and registration details of vehicles, used for maintenance and otherwise essential for the execution of services, requiring access to Metrobus corridor during non-operational hours. The Contractor shall immediately inform to the Client if there is any change in the schedule / work plan / work force etc.
- xxix. Also provide complete existing inventory list and Identify / mark/tag all replaced/ existing items/ equipment as per directions by PMA.
- xxx. Contract prices shall be adjusted according to general WPI published in Pakistan Bureau of Statistics (based on 2015-16, urban), Contract signing month shall be considered as a base value and price shall be adjusted after each three months.

xxxi. With reference to Annex-B (BOQs), the Client shall issue Work Orders in accordance with its priorities and operational requirements. The Contractor shall be responsible for completing the assigned quantities of work within the stipulated time frame specified by the Client. The Engineer In charge may, at his discretion, extend the time frame considering site conditions and operational necessities. Furthermore, the Client shall not be bound or obligated to issue the full quantities listed in the Price Table at Annex-B1 during the entire duration of the Contract.

I. GENERAL CONDITIONS OF CONTRACT

6. PERFORMANCE SECURITY

The successful Bidder shall furnish Performance Security amounting to 10% of the quoted R&M Service Charges indicated in Annex-B2 at Sr. No. 01 within ten (10) working days of the receipt of the Acceptance Letter from the Client accompanied by Demand Draft / Pay Order/ Bank Guarantee issued by a scheduled bank operating in Pakistan denominated in Pak Rupees; Having a minimum validity period of Twelve (12) months or the course of contract from the date of Award Notification. The proceeds of the Performance Security shall be payable to the Client, on occurrence of any / all of the following conditions If the Contractor commits a default under the Contract.

- a) If the Contractor fails to fulfill any of the obligations under the Contract.
- b) If the Contractor violates any of the terms and conditions of the Contract.
- c) If the Contractor delays the project without any valid and acceptable reason.
- d) Performance Security shall be returned upon successful completion of the project.

7. CONTRACT

The Client shall; after announcing the successful Bidder, issue letter of award send the Contract provided in the Tender Document, to the successful Bidder. Within three (03) working days of the receipt of such Contract, the Bidder shall sign and date the Contract and return it to the Client.

8. CONTRACT DOCUMENTS AND INFORMATION

The Contractor / Successful Bidder shall not, without the Client's prior written consent, make use of the Contract, or any provision thereof, or any document(s), specifications, drawing(s), pattern(s), sample(s) or information furnished by or on behalf of the Client in connection therewith, except for purposes of performing the Contract or disclose the same to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

9. CONTRACT LANGUAGE

The Contract and all documents relating to the Contract, exchanged between the Operator and the Client, shall be in English. The Operator shall bear all costs of translation to English and all risks of the accuracy of such translation.

10. PATENT RIGHTS AND RIGHTS TO THE CONTENTS OF THE PROGRAM

The Contractor / Successful Bidder shall indemnify and hold the Client harmless against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Service or any part thereof. The Client will hold the exclusive rights to the contents of this program.

11. OWNERSHIP OF SPARE PARTS / REPLACED COMPONENTS

Spare parts to be supplied to the Client, pursuant to this Contract, shall become the property of the Client when the Goods are taken over by the Client upon expiry of the contract. All defective components, to be replaced by the Contractor pursuant to the Contract, shall also become the property of the Client.

12. PAYMENT

The procedure for payments to operator shall be as under:

- i. The Contractor shall submit Application for Payment (Invoice) to

the Client after successful completion of the works and verification from the Client, in the prescribed form and on the quoted rates in the bid. The Application for Payment shall be accompanied by such invoices, receipts or other documentary evidence (if any) and as the Client may require; state the amount claimed; and set forth in detail, in the order of the Price Schedule with particulars of the items purchased and services provided during the execution of work.

- ii. The Client shall issue a Certificate of Payment, in the prescribed form, with a copy to the Contractor, verifying the amount due, within seven (10) working days of receipt of an Application for Payment. The Client may withhold a Certificate of Payment on account of defects/shortcomings in the Application for Payment or services provided.
- iii. The Client shall pay the amount verified in the Certificate of Payment within twenty-one (21) working days inclusive of seven days of issuance of Certificate of Payment. Payment shall not be made in advance. The Client shall make payment for the works done, to the Contractor, as per Terms of the Contract, in Pak Rupees, through crossed cheque.

13. CONTRACT PRICE

- i. The quoted price, in the financial bid, is inclusive of all applicable taxes, as per Laws of the Government of Pakistan, but is exclusive of Sales Tax on Services which shall be added by the Client over and above the quoted amount, as applicable/required under the relevant Tax Laws, to arrive at the Contract Price. Accordingly, the Contract Price shall be subject to adjustments for change in rate of Sales Tax on Services as and when applicable.
- ii. The Contractor shall not change the quoted price(s) in bid for the equipment and services provided and for other obligations discharged, under the Contract.

14. CONTRACT AMENDMENT

The Client, at any time, by written notice served on the Operator, may initiate, alter, amend, omit, increase, decrease or otherwise change the nature, quality, quantity and scope, of all / any of the Services / the Works, in whole or in part. The Contractor shall, within specified number of working days of receipt of such notice, submit a cost estimate and execution schedule of the proposed change (hereinafter referred to as the Change), to the Client.

The Contractor shall not execute the Change until and unless the Client has allowed the said Change, by written order served on the Contractor the Change, mutually agreed upon, shall constitute part of the obligations under this Contract, and the provisions of the Contract shall apply to the said Change. No variation in or modification in the Contract shall be made, except by written amendment signed by both the Client and the Operator.

15. ASSIGNMENT / SUBCONTRACT

The Contractor will not assign or sub-contract its obligations under the Contract, in whole or in part, except with the Client's prior written consent. The Operator shall guarantee that any and all assignees / subcontractors of the Contractor shall, for performance of any part / whole of the work under the contract, comply fully with the terms and conditions of the Contract applicable to such part / whole of the work under the contract.

16. EXTENSIONS IN TIME FOR PERFORMANCE OF OBLIGATIONS UNDER THE CONTRACT

If the Contractor / Successful Bidder encounters conditions impeding timely performance of any of the obligations, under the Contract, at any time, the Contractor shall, by written notice served on the Client, promptly indicate the facts of the delay, its likely duration and its cause(s). As soon as practicable after receipt of such notice, the Client shall evaluate the situation and may, at its exclusive discretion, without prejudice to any other remedy it may have, by written order served on the Contractor, extend the Contractor's time for performance of its obligations under the Contract.

17. TERMINATION FOR DEFAULT

If the Contractor fails/delays in performance of any of the obligations under the Contract / violates any of the provisions of the Contract / commits material breach of any of the terms and conditions of the Contract, or engages in any illegal activities; where such failure/breach/illegal activity has a material adverse effect on the operations of this Project, the Client may, at any time, without prejudice to any other right or action / remedy it may have, by written notice served on the Contractor, indicate the nature of the default(s) and terminate the Contract, in whole or in part; provided that the termination of the Contract shall be

resorted to only if the Contractor does not cure its failure / breach/ illegal activity, within Seven (07) working days (or such longer period as the Client may allow in writing), after receipt of such notice.

If the Client terminates the Contract for default, in whole or in part, the Client may procure, upon such terms and conditions and in such manner as it deems appropriate, Services / Works, similar to those undelivered, and the Operator shall be liable to the Client for any excess costs for such similar Services / Works. However, the Operator shall continue performance of the Contract to the extent not terminated.

18. TERMINATION FOR INSOLVENCY

If the Contractor, becomes bankrupt or otherwise insolvent, the Client may, at any time, without prejudice to any other right or action / remedy it may have, by written notice served on the Operator, indicate the nature of the insolvency and terminate the Contract, in whole or in part.

19. TERMINATION FOR CONVENIENCE

The Client may, at any time, by written notice of 30 days served on the Operator, terminate the Contract, in whole or in part.

The Services which are complete, or are scheduled to be completed by the Contractor, within three working days after the receipt of such notice, shall be accepted by the Client. For the remaining services, the Client may elect:

- To have any portion thereof completed and delivered; and
- To cancel the remainder and pay the Contractor for the remaining portion

20. FORCE MAJEURE

1.2. Force majeure shall mean any event, act or other circumstances not being an event, act or circumstance under the control of the Client or of the Contractor. Non- availability of materials/supplies or of import license or of export permit shall not constitute Force majeure. If by reasons of Force Majeure supplies or services cannot be delivered by the due delivery date, then the delivery date may be extended appropriately by the Client keeping in view all the circumstances and requirements of the Client.

1.3. The Contractor shall not be liable for liquidated damages, blacklisting for future tenders, termination for default, if and to

the extent of his failure / delay in performance /discharge of obligations under the Contract is the result of an event of Force Majeure.

- 1.4. If a Force Majeure situation arises, the Contractor shall, by written notice served on the Client, indicate such condition and the cause thereof. Unless otherwise directed by the Client in writing, the Operator shall continue to perform under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

21. DISPUTE RESOLUTION

- 1.5. The Client and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.
- 1.6. If, after thirty working days, from the commencement of such informal negotiations, the Client and the Contractor have been unable to amicably resolve a Contract dispute, either party may, require that the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by arbitrators selected in accordance with said Law. The place for arbitration shall be Multan/Lahore, Pakistan. The award shall be final and binding on the parties.
- 1.7. If the parties fail to resolve the dispute through mutual consultations, then the matter will be referred to three arbitrators, one to be appointed by each party and the third by the two appointed arbitrators.

22. STATUTES AND REGULATIONS

The Contract shall be governed by and interpreted in accordance with the laws of Pakistan. The Operator shall, in all matters arising in the performance of the Contract, conform, in all respects, with the provisions of all Central, Provincial and Local Laws, Statutes, Regulations and By-Laws in force in Pakistan, and shall give all notices and pay all fees required to be given or paid and shall keep the Client indemnified against all penalties and liability of any kind for breach of any of the same. The Courts at Lahore/Multan shall have the exclusive territorial jurisdiction in respect of any dispute or difference of any kind arising out of or in connection with the Contract.

23. TAXES AND DUTIES

The Contractor shall be responsible for the payment, if any is required, of all Pakistani Taxes, Duties and any other taxes on income arising out of the Contract, and the financial bid mentioned in "Financial Proposal Submission Form"/"Price Table" shall be deemed to cover all such taxes, however; bid price **is Inclusive of all applicable taxes but Exclusive of sales tax on Services** which shall be added by the Client over and above the quoted amount, as applicable/required under the relevant Tax Laws.

24. CONTRACT COST

The Contractor shall bear all costs / expenses associated with the preparation of the Contract and the Client shall in no case be responsible / liable for those costs/ Expenses e.g. Contract Stamp duty charges etc.

25. AUTHORIZED REPRESENTATIVE

- 1.8. The Client, or the Contractor may, at their exclusive discretion, appoint their Authorized Representative and may, from time to time, delegate any / all of the duties / authority, vested in them, to their authorized Representative(s), including but not limited to, signing on their behalf to legally bind them, and may, at any time, revoke such delegation.
- 1.9. The Authorized Representative shall only carry out such duties and exercise such authority as may be delegated to him, by the Client, or the Contractor.
- 1.10. Any such delegation or revocation shall be in writing and shall not take effect until notified to the other parties to the Contract.
- 1.11. Any decision, instruction or approval given by the Authorized Representative, in accordance with such delegation, shall have the same effect as though it had been given by the principal.
- 1.12. Notwithstanding above Clause, any failure of the Authorized Representative to disapprove Services or Works shall not prejudice the right of the Client to disapprove such Services or Works and to give instructions for the rectification thereof.
- 1.13. If the Contractor questions any decision or instruction of the Authorized Representative of the Client, the Contractor may refer the matter to the Client who shall confirm, reverse or vary such decision or instruction.

26. WAIVER

Failure of either party to insist upon strict performance of the obligations of the other party, under the Contract, shall in no way be deemed or construed to affect in any way the right of that party to require such performance.

27. CONFLICT OF INTEREST

All employees of PMA whether part of any particular procurement or otherwise upon Cognizance of the fact that any blood relation (parents, brother, sister, children) of theirs is a bidder in any PMA procurement must immediately inform in writing, the head of Procuring Wing before award of the contract. Concealment shall lead to disciplinary action against the employee.

28. ANNEX-A (Bill of Quantities/Price Table

ANNEX-A1 PRICE TABLE/BOQ OF GOODS/MATERIALS AND SERVICES

REPAIR & MAINTENANCE OF CIVIL WORKS FOR MULTAN METROBUS SYSTEM (MMBS) FROM BZU TO CHOWK KUMHARAN							
Sr. No.	Items/Work Description	UNIT	Qty	Services	GOODS / MATERIAL	UNIT RATE	Amount (PKR)
			A	B	C	D=B+C	E=A*D
1	ALUMINIUM COMPOSITE PANEL (ACP) WORKS & MMBS STATIONS' ROOF, DRAINAGE MAINTENANCE & OTHER IRON WORKS						
1.1	Providing and fixing at specified locations imported 4mm thick Aluminum Composite Panel (ACP) Cladding with fire retarding core, fire rated, pvdf coating, aluminium profile skin front 0.5mm, rear 0.5mm, of approved colour and shade including aluminium brackets, anchor bolts and nuts, aluminium profile, topping screw rod sponge and silicon filling of joints etc., complete in all respect as per approved specifications and as approved by the Engineer incharge.	SFT	3000				
1.2	Fabrication of heavy steel work, with angle, tees, flat	Kg	7500				

	iron round iron and sheet iron for making trusses,girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. (Including provision at the specified site as per the required size and dimension)						
1.3	Erection and fitting in position iron trusses, staging of water tanks, etc.	Kg	5000				
1.4	Small iron work, such as gusset plates, knees, bends, stirrups, straps, rings, etc. including cutting, drilling, riveting, handling, assembling and fixing; but excluding erection in position.	Kg	1000				
1.5	Supply and Fixing of Perforated Aluminum Cladding (0.8mm thick High-grade aluminum alloy) False Ceiling, including fixtures and maintenance of existing frames complete in all respects as approved and directed by Engineer In charge.	SFT	500				
1.6	Removal, washing, repairing and refixing of existing ceiling sheets at stations using scaffolding including necessary maintenance of frames, supports, and fixtures, complete in all respects as per site requirements and as directed by the Engineer In charge.	SFT	40000				
1.7	Supply and installation of 0.4mm thick (27 gauge) paint coated MS (mild steel) sheet, tailored to site conditions including the removal and refixing of associated ceiling sheets. The sheet is to be fixed along the roof drainage system to prevent bird ingress into the ceiling area including with associated ancillary works required for proper installation shall be included as directed and approved by the Engineer In charge.	SFT	3000				

1.8	Providing and applying approved quality silicone sealant for filling joints in ACP/ Cladding sheets, double glazed glass joints, and other areas as required, including cleaning of surfaces, application, finishing, complete in all respects as per site requirements and as directed by the Engineer In-Charge.	RFT	2000				
1.9	Providing, supplying and fixing double skin Aluzinc roof panel comprising 1.0 mm thick upper and 1.0 mm thick lower Aluzinc sheets with 2" to 3" (approx. 50–75 mm) thick thermophore (polystyrene) insulation sandwiched between the sheets, including necessary self-drilling screws, washers, sealing of joints, cutting, alignment, fixing on steel purlins /trusses, and all accessories, complete in all respects as per approved design, site requirements, and as directed by the Engineer In-Charge.	SFT	2500				
2	Removal and refixing of existing Aluzinc roof panel sheets, complete in all respects as directed by the Engineer In-Charge.	SFT	1000				
2.1	Cutting of MS sheets using cutting disc and cutting equipment, complete in all respects as directed by the Engineer Incharge.	RFT	2000				
2.2	Continuous welding of Mild Steel (MS) / Stainless Steel (SS) sheets at required locations, including edge preparation, welding, grinding, finishing, complete in all respects as per site requirements and as directed by the Engineer In-Charge.	RFT	2500				
2.3	Providing and fixing 1" dia G.I 16 SWG at the required locations complete in all respects as directed by the Engineer In-Charge.	RFT	200				

2.4	Providing and fixing 1½" dia G.I 16 SWG at the required locations complete in all respects as directed by the Engineer In-Charge.	RFT	200				
3	RCC, PCC, REINFORCEMENT, DISMANTLING, uPVC, BRICK WORKS & FLOORING WORKS						
3.1	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.(2) Type B (nominal mix1: 1½:3)	CFT	200				
3.2	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars): (b) Deformed bars (ii) (Grade-60)	Kg	250				
3.3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	CFT	2000				
3.4	Dismantling glazed or encaustic tiles, etc	SFT	3000				
3.5	Dismantling cement concrete 1:2:4 Plain	CFT	400				
3.6	Dismantling brick work in lime or cement mortar.	CFT	500				
3.7	Excavation in rock dressed to designed section, grades and profiles, excavated material	CFT	2000				

	disposed off within 100 ft. (30 m) and lift upto 5'-0" (1.5 m). a) Soft rock, slate, shale, schist laterite work, with pick and crow bar						
3.8	Earthwork excavation in open cutting for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- Upto 5' (1.5 meter) depth A) By Manual ii) Hard	CFT	2000				
3.9	Regular excavation dressed.	CFT	1000				
4	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:3	CFT	1000				
4.1	Pacca brick work other than building upto 10ft. (3 m) height i) cement, sand mortar:- Ratio 1:3	CFT	500				
4.2	Removing cement or lime plaster.	SFT	7000				
4.3	Cement plaster 1:2 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	SFT	1000				
4.4	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	SFT	7000				
4.5	Dismantling and removing road pavement using asphalt cutter and dispose of the material to designated place as directed and approved by Engineer Incharge.	CFT	100				
4.6	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same. Soft rock, slate, shale, schist laterite work, with pick and crow bar.	CFT	250				
4.7	Brick Ballast 3"	CFT	300				

4.8	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge. (v) 110 mm	RFT	600				
4.9	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) sewerage pipe make of Dadex /Popular/Beta or approved equivalent manufacturer, plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 34/SN-8) i) 6" dia 150mm	RFT	400				
5	Providing and fitting "P" trap:- 10 cm (4") glazed.	Each	20				
5.1	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. White Color	Each	10				
5.2	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of Dadex /Popular/Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. P-Trap (i) 4" dia	Each	10				

5.3	Providing and fixing Stainless Steel (SS) grating floor P-trap cover of size 4" x 4", to be installed over floor P-trap, including all necessary fixing materials/civil works, cutting, fitting, and finishing, complete in all respects as per site requirements and as directed by the Engineer In-Charge.	Each	10				
5.4	Providing and laying superb quality Porcelain matt tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of matching sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(300mm x300 mm (12"x12"))	SFT	2000				
5.5	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of matching sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (iii) 600mm x 600 mm (24"x24")	SFT	500				
5.6	Providing and laying superb quality Porcelain matt tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of matching sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed Tile (ii) 300 mm x 600 mm (12"x24")	SFT	100				

5.7	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick	SFT	500				
6.0	WASHROOMS ACCESSARIES						
6.1	Providing and fixing PVC doors 1.5" thick unbreakable of high quality size 7.5"x3" complete with choghat, side patti, Front Gola at specified public and staff washrooms of MMBS stations, (including removal of existing damaged doors and frames and transportation to designated PMA store), supply and fixing of approved quality hinges, SS lock sets and other allied accessories, complete in all respects including labour, tools,civil works, transportation and all incidental works, as directed by the Engineer-in-Charge.	Each	10				
6.2	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal	Each	2				
6.3	Providing and fitting glazed earthen ware low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc. i) white	Each	2				
6.4	Providing and fixing Bathroom Accessories (7-piece set) Master brand One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.						

6.4.1	i) Plastic soap dish	Each	5				
6.4.2	iii) Plastic tower rail	Each	5				
6.4.3	vii) Towel ring	Each	5				
7	SIGNAGE AT STATIONS & ROADS, CAT EYES, AND ROAD STUDS						
7.1	Providing & fixing Cat Eyes of size 4" x 4" x 3/4" duly casted with specified material having plastic strip containing mini retro-reflective glass beads of color white/red/yellow having specifid reflections , quality & shape i/c the cost of self built in 12 mm diax120 mm long steel zinc plated nail,fixing to road with epoxy/ hammering with separate nail complete. b) Aluminium Alloy 1 (iii) Micro Cube Corner Spark glow reflectors	Each	250				
7.2	Providing & fixing Road Studs of aluminium alloy (raised profile) of specified size with Diamond grade reflectors on both sides etc complete. b) Dual-Directional (ii) 6" x 4" x 1.75"	EAC H	150				
7.3	Providing & fixing Cat Eyes of size 4" x 4" x 3/4" duly casted with specified material having plastic strip containing mini retro-reflective glass beads of color white/red/yellow having specifid reflections , quality & shape i/c the cost of self built in 12 mm diax120 mm long steel zinc plated nail,fixing to road with epoxy/ hammering with separate nail complete. b) Aluminium Alloy 2 (ii) 43 Glass beads a side	EAC H	150				
7.4	Lettering and printing of signage / direction boards / road delineators of any colour by machine i/c cost of Digital Lettering, Lamination & pasting etc complete in all respect. b) Diamond Grade Tape	SFT	3150				

7.5	Lettering and printing of signage / direction boards / road delineators of any colour by machine i/c cost of Digital Lettering, Lamination & pasting etc complete in all respect. a) High Intensity Prismatic (HIP) Tape	SFT	500				
7.6	Providing and fixing Diamond Grade Reflective Tape of approved color and width, complete in all respects as directed and approved by the Engineer In-Charge.	SFT	200				
7.7	Providing and Fixing L-type Barrier delineator of specified material of Size 150 x 100mm i/c the cost of hardware, reflective tape etc complete in all respect. (b) Alluminium (3mm thick)	Each	200				
7.8	Providing and fixing Rubber Guard of size 20" x 5" x 1", fitted with four (04) Diamond Grade reflective strips of size 3" x 2" in elliptical shape on each guard, for platform docking area, matching the existing installed pattern for platform protection, including necessary fixtures, anchor bolts, and proper alignment, complete in all respects as directed and approved by the Engineer In-Charge.	RM	800				
8	EXPANSION JOINTS AT CORRIDOR/TRACK						
8.1	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	CFT	150				
8.2	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, welding, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (ii) (Grade-60)	KG	200				

8.3	<p>Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-</p> <p>(a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-</p> <p>(2) Type B (nominal mix 1: 1½: 3)</p>	CFT	40				
8.4	<p>Providing and fixing metallic expansion Joints of 3/4" thick Aluminium Alloy strip of specified width duly bolted with check nuts @ 9" c/c with the MS lugs for specified movements as mentioned by the designer i/c the cost of polystyrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the EngineerIncharge.c) Finger /Comb Plate Type ii) 40 mm to 80 mm</p>	RFT	20				
8.5	<p>Providing and fixing metallic expansion Joints of 35 mm thick Aluminium Alloy strip of specified width duly bolted with check nuts @ 9" c/c with the MS lugs for specified movements as mentioned by the designer i/c the cost of polystyrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the Engineer</p>	RFT	20				

	Incharge. c) Finger /Comb Plate Type ii) 40 mm to 80 mm						
8.6	Providing and laying expansion joint of neoprine strip 4"x1/4" (100 mmx 6 mm) and plastic bitumen.	RFT	60				
8.7	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- (a) On interior surface (without mastic strip)	RFT	100				
8.8	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- (b) On exterior surface (with mastic strip)	RFT	50				
8.9	Removing existing aluminum expansion joint plates of 32 mm thickness, making additional holes where required at least upto three, refixing the plates in position by drilling holes in concrete and anchoring with 16 mm diameter stainless steel (SS) bolts using approved epoxy adhesive, including silicone sealing of plate holes, complete in all respects as approved and directed by the Engineer In-Charge.	Each	100				
9	At Bridges Expansion Joint portions of NJ Barrier(Outside at height of 45 ft): Providing and fixing L-Clamp fabricated from flat G.I sheet of 1.0 mm thickness, including necessary fixtures, stainless steel (SS) rawl bolts of 16 mm diameter, complete with application of weather-resistant paint on exterior surfaces up to bridge height, complete in	SFT	150				

	all respects as approved and directed by the Engineer In-Charge.						
10	WOOD WORKS						
10.1	Dismantling plank or wooden flooring, and dispose of to designated place.	SFT	1000				
10.2	Supply and installation of 18 mm thick high-quality waterproof plywood sheet, complete in all respects, as approved and directed by the Engineer In-Charge.	SFT	1000				
10.3	Providing and laying Vinyl Sheet Flooring (Homogeneous) of approved colour, shade, texture and quality with anti-chemical, anti-slip, bacterial resistance, fire resistance, anti-fungal, abrasion resistance, joint less welding wall to wall, including laying with approved adhesive material etc. and Specifications, complete in all respects, as approved by the Engineer. ii) 3mm thick	SFT	1000				
10.4	Providing & Fixing Rubber flooring, consisting of 1"x1"x1/8" rubber tiles, laid on firm foundation	SFT	1000				
10.5	Rivetting 1/8" dia (3 mm).	Nos.	3000				
11	EXIT DOORS						
11.1	Supply and installation of Stainless-Steel Door lock as per the same specifications of already installed at the existing emergency Aluminum glass door as directed and approved by the Engineer Incharge.	NO.	10				
11.2	Repair, maintenance, fixing of required material and adjustment of Aluminium Glass doors at platform area as directed and approved by the Engineer Incharge.	NO.	3				
11.3	Providing and fixing automatic door closer machine of approved	NO.	10				

	quality, complete in all respects, as approved and directed by the Engineer In-Charge.						
12	STATION LOGOS						
12.1	Supply and installation/fixing of high quality 6' x 6' size round shaped station logo with base alucobond sheet 4mm, front acrylic letter 3D, Acrylic Sheet 3mm, Inner Side high quality philipsLED Lights with Power Supply of copper 3/29, including the dismantling of existing damaged Logo, high quality electrical installations, Complete Fitting with Installation as per site requirement, approved and directed by Engineer Incharge.	NO.	5				
13	CORRIDOR DRAINAGE NETWORK MAINTENANCE						
13.1	Providing and fixing PVC/uPVC pipe of 6" dia, 10 mm thick, Class-D of 12 Bar, at height upto of 45 feet, including cutting, handling, jointing, fixtures complete in all respects as directed by the Engineer In-Charge.	RFT	300				
13.2	Providing and fixing Class-D uPVC Elbows of 10 mm thickness of required angle with existing uPVC pipeline at height up to 45 feet, including dismantling of old fittings, cutting, jointing, handling of pipes, and all necessary materials and labor, complete in all respects as approved and directed by the Engineer In-Charge.	Each	100				
13.3	Providing and fixing Class-D uPVC tees of 10 mm thickness of required angle with existing uPVC pipeline at height up to 45 feet, including dismantling of old fittings, cutting, jointing, handling of pipes, and all necessary materials and labor, complete in all respects as approved and directed by the Engineer In-	Each	100				

	Charge.						
13.4	Providing and fixing Class-D uPVC Sockets of 10 mm thickness of required angle with existing uPVC pipeline at height up to 45 feet, including dismantling of old fittings, cutting, jointing, handling of pipes, and all necessary materials and labor, complete in all respects as approved and directed by the Engineer In-Charge.	Each	100				
13.5	Removal and refixing of existing fixed uPVC pipes, elbows and elbow outlets at height up to 45 feet beneath the deck slab of corridor, including careful handling, alignment, cleaning, maintenance/replacement of damaged fixtures and clamps, cutting, jointing and all necessary materials, complete in all respects as approved and directed by the Engineer In-Charge.	RFT	700				
14	INSTALLATION OF 03 NEW WATER SUPPLY BORES OF SUBMERSIBLE PUMPS AT MMBS STATIONS						
14.1	Boring for tubewell in all types of soil except shingle and rock, from ground level to specific depth, including sinking and withdrawing of casing pipe, complete:- 1 Upto 0 to 100' depth d) 6" (150 mm) i/d	RFT	300				
14.2	Boring for tubewell in all types of soil except shingle and rock, from ground level to specific depth, including sinking and withdrawing of casing pipe, complete:- 2 Upto 101' to 200' depth b) 6" (150 mm) i/d	RFT	300				
14.3	Providing and installing P.V.C. blind pipe, B.S.S. in tubewell bore hole, including sockets and solvents and jointing with	RFT	540				

	strainer, (PS-3051=BS-3505), etc. complete. a) Class-B iii) 5" i/d (125 mm)						
14.4	Providing and installing, P.V.C. strainer B.S.S. in tubewell bore hole, including sockets and solvents, etc. complete:- a) Class-B iii) 5" i/d (125 mm)	RFT	60				
14.5	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal internal diameter of 2" of class B, conforming to PS- 3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete. As approved and directed by the Engineer Incharge.	RFT	450				
14.6	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) Flexible 3 core, 600/1000 volt non armoured cable, (iv) 6 mm sq (7/0.044")	RFT	540				
14.7	Providing and fixing 6 mm dia G.I steel wire rope for supporting submersible pump in bore, complete in all respects as directed by the Engineer In-Charge.	RFT	600				
14.8	Providing and fixing submersible pump set of 5.5 HP for water supply bore, including installation, testing and commissioning, complete in all respects as directed by the Engineer In-Charge.	Each	3				
15	MISCELLANEOUS						
15.1	Provision of bucket TRUCK having access reach upto 50ft demanded at site, complete in all respects as directed by the Engineer In-Charge.	HOU R	20				

15.2	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge. ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38-M delivery head	No	1				
15.3	Reinforced Crystal Pipe of internal dia 3".	RFT	100				
TOTAL: -							

Annex-A2

PRICE TABLE

- All bidders must read the items and fill the table carefully after properly assessing the scope required. The amount must be entered in the relevant item only.
- All bidders must refer to Section 27 and notes to this Price Table for consideration of taxes.
- Note: No cutting or overwriting is allowed. Any cutting or overwriting will lead to rejection of the financial bid.
- In case of JV, company seals of all partners are required.

Sr. No	ITEMS / SERVICES	Price (exclusive of sales tax on services)
1	Services Charges for human resource dedicated for maintenance work as per the Clause 7. Charges are also included for transportation of materials to designated place, security, machinery/equipment and Miscellaneous. etc.	1
2	Cost of construction, repair and maintenance items related to the civil works specified in Price Table of Tender Documents.	2
TOTAL CHARGES FOR 12 MONTHS (PKR)		X = 1 + 2

Notes to the Price Table:

- 1) All bids must be accompanied by a Bid Security of **PKR 800,000/-** in the form of CDR / Demand Draft / Pay Order issued by a scheduled bank regulated by State Bank of Pakistan in the name of "MASSTRANSIT AUTHORITY NON-FARE REVENUE(NFR) FUND ACCOUNT" which shall be part of Technical Bid.
- 2) No advance payments will be made. Contract Payment will be made as per

items executed in actual at site.

- 3) The quoted price is inclusive of all applicable taxes as per Laws of the Government of Pakistan, but is **exclusive of Sales Tax on Services** which shall be added by the Client over and above the offered amount, as applicable/required under the relevant Tax Laws, to arrive at the Contract Price. Accordingly, the Contract Price shall be subject to adjustments for change in rate of Sales Tax on Services as and when applicable.

Date _____ Name:

Place _____ Signature of authorized person with Company Seal

Annexure-B: Financial Proposal Submission Form (Part of Financial Bid Envelope)

Financial Proposal Submission Form (Part of Financial Bid Envelope)

[Location, Date]

To _____(Name and address of Client / Client)_ Dear Sir,

We, the undersigned, offer to provide the **_ (Insert title of assignment) _** in accordance with your Request for Proposal dated **_(insert date)_** . Our attached Financial Proposal is for the sum of PKR **_(insert amount in words and figures) _** . This amount is inclusive of all applicable taxes as per Laws of the Government of Pakistan, but is exclusive of Sales Tax on Services which shall be added by the Client over and above the offered amount, as applicable/required under the relevant Tax Laws, to arrive at the Contract Price. Accordingly, the Contract Price shall be subject to adjustments for change in rate of Sales Tax on Services as and when applicable.

Our Financial Proposal shall be binding upon us, up to expiration of the validity period of the Proposal, i.e. three (03) months from the submission date.

We also declare that the Government of Pakistan / Punjab has not declared us or any Sub- Contractor for any part of the Contract, ineligible on charges of engaging in corrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive. Signed

In the capacity of:

Duly authorized to sign the proposal on behalf of the Applicant. Date:

Annexure-C: Format of Power-of-Attorney

POWER OF ATTORNEY

(On a Legal / Revenue Stamp Paper of PAKISTAN / of the bidder's country in the relevant value OR on the bidder'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 Pakistan's Computerized National Identity Card (CNIC) no. (Complete CNIC No.) 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 proposal for (name of the Operation) in response to the tenders invited by the (name of the Client) including signing and submission of all documents and providing information/responses to (name of the Client) in all matters in connection with our Bid. In case if we are the successful bidder our attorney will sign the contract and legally responsible for the contractual requirements from our part.

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:

Annexure-D: Undertaking

UNDERTAKING

It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with. We have gone through all the conditions of tender and are liable to any punitive action for furnishing false information / documents.

Dated this ____ day of _____ 20__

Signature

(Company Seal)

In the capacity of

Annex-E: AFFIDAVIT FOR NON-BLACKLISTING

(On a Legal / Revenue Electronic Stamp Paper of PAKISTAN of the relevant value.)

In response to the Tender Document for [Tender Name] We hereby solemnly declare that presently [Name of Bidder / Supplier] is having unblemished record and is not presently blacklisted on any grounds whatsoever by any Government entity (Federal, Provincial, Local Body) or Public Sector Organization in the country of origin and Pakistan.

It is understood that if this declaration is found to be incorrect for [Name of Bidder / Supplier] or any member in case of Joint Venture, then without prejudice to any other action that may be taken, our Tender Security / Performance Security shall be forfeited in full and our bid / contract shall be cancelled / terminated.

Dated this _____ day of _____ 20__

Signature

(Company Seal)

In the capacity of

Duly authorized to sign bids for and on behalf of: