

Corrigendum

for

# REQUEST FOR PROPOSALS (RFP)

for

# Procurement and installation services of Expansion Joints along with allied services in Peshawar BRT System

# Tender No. TPC/Operations/Services/ExJ/2022-23/006/RB

The corrigendum is issued in response to pre-bid meeting held on October 12, 2022. The corrigendum shall supersede and shall be an integral part of the RFP.

Date: 19-10-2022

Procurement and installation services of Expansion Joints along with allied services in Peshawar BRT System

1.3	Supply and installation of Bridge Expansion Joint origin Europe/USA having top surface grilled Reinforced Elastomeric Joint/Multiflex elastomeric Monoblock for the movement of 80mm having 10-year manufacturer and supplier warranty including formwork and epoxy complete in all respect on existing bridge deck at multiple location as specified and as per drawing & design directed by TPC. Details are given in operation specification schedule.	meter	45		
1.4	Provision and laying of (6000PSI) concrete at expansion joints including form work, SBR or equivalent chemical for joint with old concrete compacting, finishing & curing etc complete in all respect. Details are given in operation specification schedule.	Cubic meter	15		
Grand Total - Quoted Price (All taxes Including Sales Tax on goods and Services)					

Notes to the Price Table/Financial Offer:

1) No advance payments will be made. Payment will be made as per works executed in actual.

- 2) The quoted price shall be inclusive of all applicable taxes as per Laws of the Government of Pakistan, inclusive of Sales Tax on goods and Services.
- 3) Lowest value of grand total among the bidder will determine the successful bidder, provided mandatory requirements are met.

For and on behalf of (name of Service provider)

(Signature of Authorized Representative)

(Name, Title and Date)

Page 32 of 32

# ANNEX B

# **OPERATIONAL SPECIFICATIONS SCHEDULE**

# PROCUREMENT AND INSTALLATION SERVICES OF EXPANSION JOINTS ALONG WITH ALLIED SERVICES IN PESHAWAR BRT SYSTEM

This Operational Specification Schedules specify the maintenance obligations of Works as detailed below in this Operational Specification Schedule, BOQ, Agreement and annexures to the Agreement.

The jobs are lump sum and additional non-BOQ costs should be not be paid separately and should be made part of the bid. The details of these Works are provided in following Annexures:

### 1. Particular Condition from Contract

- 1.1 The Service Provider should submit details plan within 15 days after contract signing for completion of all activities under the Agreement mentioning days in which each activity will be completed, along with nominated qualified focal person.
- 1.2 In accordance with Clause 2.2.2 of the Agreement, the Term of Contract is 06 months.
- 1.3 In accordance with Clause 3.1 of the Agreement, the amount of Performance Guarantee is PKR 800,000/-.
- 1.4 In accordance with Clause 6.1 of the Agreement, the Defect Liability Period is 01 years.
- 1.5 In accordance with Clause 15.1, TPC should be allow Service Provider to use only electricity (from pole lights or station lights or others) and use station water for Work. In such situation, Service Provider should get permission letter from TPC and TPC should be deduct 10,000/- per month per station as an electricity and water bill regardless the electricity/water is being used or not.
- 1.6 In accordance with Clause 18.6 of the Agreement, the maximum amount of Liquidated damages that can be imposed are 10 % as per milestone payment for specific activity or 10 % of the Agreement price in case of delay beyond the Term.

#### 2 SPECIAL CONSTRAINTS RELATED TO WORKS

- 2.1 Corridor and Stations are utilised for bus operation during the day time. The Service Provider should execute all works during non-operation times i.e., from 11:00 PM to 5:00 AM except otherwise allowed by TPC. The resources of Service Provider and associated costs should be calculated based on availability of 6 hours per day for execution of Works.
- **2.2** Service Provider should get permission from TPC for entry to corridor and station one day before the execution of Works. Such permission should be got through Corridor Access Permission Form in office time.



# 3.3 Item no.1.3

Supply and installation of Bridge Expansion Joint origin Europe/USA/ having top surface grilled elastomeric Monoblock Reinforced Elastomeric Joint/Multiflex for the movement of 80mm having 5-year 10 years manufacturer and Supplier warranty on their letter heads. Furthermore, the Supplier shall also provide warranty which includes formwork and epoxy complete in all respect on existing bridge deck at multiple locations as specified and as per drawing & design directed by TPC.

- a) The Corridor Expansion Joint at various locations are broken / damaged. The patch work of Expansion Joint may vary in the corridor and may have dimension of 7 to 14 meter in running length.
- b) Service Provider cost for the item should include labour cost, formwork, Steel of diameter no 10 bar @ 150 c/c spacing required during fixing of new Expansion joint with all accessories, nuts and bolts/ welding etc. with bridge decks existing steel bars, as per manufacturer specification /drawing.
- c) Chemicals used for fixing of above-mentioned joint should confirm to manufacturer standards.
- d) Chemicals used for the fixing of expansion joint are mentioned below:

- 1. ASSAPOX FIX
- 2. ASSAFLEX OC
- 3. EPOPLUS RE
- 4. Rapid curing elastomeric concrete having initial gain strength 6000 PSI within 6 hours after placing Origin Europe/USA.
- e) The installation for the bridge expansion joint should be done from well-established firm of Pakistan with reputable profile (proven track record of previous installations) in installation of imported expansion joints.
- f) Import documents shall be submitted to TPC if so directed.
- g) The methodology of installation of the expansion joint should be clearly described by the Contractor with a complete set of manufacturer drawings and should be submitted to TPC for reference and record. Connection or overlapping between bridge expansion joints should be of flexible bitumen and should be visible/shown in the drawing the clearly shown. Connection with water proofing of the deck should be shown in detail.
- h) All necessary provisions in deck reinforcement should be indicated. Initial gap at the time of installation should be clearly indicated and justified.
- i) The Contractor should hire technical experts for installation of expansion joint, having proven experience in installation of bridge expansion joints.
- Material specifications for elastomeric Monoblock Reinforced Elastomeric Joint/Multiflex Bridge Expansion joint, anchors for fixing should be submitted to TPC for reference and record.
- k) Necessary test certificates from third party independent laboratories showing that the proposed joints meet the applicable standards and specification.
- I) Levelling of expansion joint should be done under the supervision of technical experts as mentioned above.
- m) Any other item/ parameter involved in the above activity should be part of the bid. The weight of the Reinforced Elastomeric Joint should in the range of 55-65 kg per two meters of the joint.

The expansion joints should satisfy the following functional requirements during defect liability period after its installation. It should,

- n) withstand traffic loads of the buses (3-axle bus with 500 daily bus trips per direction), and accommodate movements between the deck and abutment or the adjacent deck.
- o) have good riding quality and should not cause any inconvenience to road user.
- p) not cause skidding hazard.
- q) not generate excessive noise or vibration during the passage of vehicles.
- r) Have ease of replacement of worn-out parts.
- s) be watertight and will have provision for carrying away water and silt.
- t) be easy to inspect and maintain.
- u) be weather resistant.