



विशाखपट्टणम पत्तन प्राधिकरण
अभियंता विभाग
प्रशासनिक भवन, पोर्ट क्षेत्र
विशाखपट्टणम – 530035 (आ.प्र.)
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విశాఖపట్నం పోర్ట్ అథారిటీ
**VISAKHAPATNAM PORT
AUTHORITY**
ENGINEERING DEPARTMENT
Administrative Building, Port Area
Visakhapatnam – 530035 (A.P)

Work order no: 02 of EE (P&D) of 2025-26

No: IENG/EE(P&D)/SPB- Repairs/Pt-I/ 430
Dt: 05-06-2025

To

Dr. Nilanjan Saha,
Department of Ocean Engineering,
Indian Institute of Technology Madras,
CHENNAI – 600 036.

Sir,

Sub: Special repairs to substructure of Sardar Vallabhai Patel Bridge (Parallel Bridge) of Visakhapatnam Port – Consultancy Services for Condition Assessment of concrete in RC Piers – Reg

Ref: 1) VPA Lr.no. IENG/EE(P&D)/SPB Repairs/Pt.I/225, Dt: 26-03-2025
2) IIT Lr.no. IC/24-25/OEC/VISA/RSUN/Ltr.03, Dt: 15-04-2025

With reference to the correspondence cited, your offer for an amount of Rs.30,00,000/- (Rupees Thirty lakhs only) plus applicable GST for availing consultancy services of IIT Madras for the stated subject work is accepted, subject to the following terms & conditions:

1.0 Consultancy Scope of Work:

The Non-Destructive test needs to be carried out to ascertain the stability of the existing structure as the structure exposed to marine condition. The NDT tests will be done at only a few representative locations only where the distress is considerably more. The NDT results will indicate whether the structure can be repaired. The NDT tests will be conducted only in the accessible locations above water level/tidal zone. The underwater study is not included in the present scope of work.

The detailed scope of Work:

1. Visual Inspection for Bridge component
2. UPV test – 7 locations
3. Core drilling Test – 6 Nos locations.
4. Carbonation test on 6 concrete core samples at 6 locations

5. Half-cell potential test –7 Nos at 7 locations.
6. Evaluation of chlorides and pH through concrete powder samples – 7 Nos
7. Processing the NDT measured data, preparation and submission of detailed report including condition assessment.
8. Suggesting suitable Rehabilitation methodology for the distressed RC structural elements.
9. Preparation of the Bill of Quantity for the rehabilitation of the distressed bridges.

2.0 Consultancy Charges:

The cost of the NDT testing for cost shall be Rs 30.00 lakhs plus applicable GST at the date of remitting the amount (presently @18.00%) and a fixed period of 3 months from the date of receipt of advance.

3.0 Payment Schedule:

- 1) 40% advance along with the work order Rs 12,00,000/- + Applicable GST currently at 18%.
- 2) 40% on Submission of draft report Rs 12,00,000/- + Applicable GST currently at 18%.
- 3) 20% on Submission of Final report Rs 6,00,000/- + Applicable GST currently at 18%.

Timeline: 3 months after receipt of advance

4.0 Special Information:

- 1) NDT works are done only in few representative locations based on which the BoQ is prepared. Our past experience has shown sometimes that additional repairs require to be undertaken during the retrofitting of the complete Bridge. This leads to excess quantity requirements, in such cases, additional stage of repair may be necessary.
- 2) Usually in the NDT rehabilitation, there may be requirement to add an extra item which is not present in the BoQ within the tender amount. The Engineer-in-charge can add that item depending on the smooth completion of the project.
- 3) The NDT tests will be conducted only in the accessible locations above water level/tidal zone.
- 4) The underwater study is not included in the present scope of work
- 5) The structural stability as well as the load carrying capacity of the RC piers will not be covered under the present scope. The rehabilitation to the original strength will be attained.

5.0 Special Conditions:

- 1) The logistics (especially police/port passes or permission, etc) for entering site area and a separate local transportation for team during visit inside bridge

- premises would also be arranged and borne by Client, during the period of work.
- 2) Electricity power (generator), scaffolding and water shall be made available free of cost for operating instrument/equipment at site.
 - 3) IITM personnel shall be provided with two boats (if necessary) for free of cost to access the structural elements at the respective sites. Logistics and permission as well as removal of debris and should be done by client.
 - 4) The five-member team may require 10-12 days depending on the weather conditions to complete the work.

6.0 Remittance Details of Consultancy Charges

IITM is exempted from paying Income tax. A copy of the exemption certificate is enclosed. No deduction should be made. An invoice will be sent for making the advance payment along with acceptance of the work order. The Cheque / DD should be drawn in favour of "IIT Madras" and sent to the undersigned. If the Client wishes to do a bank transfer while payment, they may do so. The bank transfer details are also attached. Our GST No: 33AAAAI3615G1Z6 and the prevailing rate is 18%.

It is requested to contact the Chief Engineer, VPA for further particulars and start the work. The letters under reference and this work order shall form part of the contract entered by you with the port authority. You have to enter into an agreement on non-judicial stamp paper worth of Rs100/-(Rupees one Hundred only) immediately.

Thanking you Sir,

Yours faithfully,


CHIEF ENGINEER

- Copy to: i) FA & CAO for information please
ii) SE (West) for information and to provide transportation facility and to provide 2 boats to IITM personnel's

