

**DEENDAYAL PORT AUTHORITY**  
**OFFSHORE OIL TERMINAL, VADINAR**  
**EXPRESSION OF INTEREST**

EOI No: OOT/C-WK/

Dated: /---/2025

**Sub:- consultancy services for conducting of structural audit and Non-Destructive test for Determination of structural stability of various buildings- (residential building & Non residential building) (A1 toA32, B1 to B18 C1 to C4 D1 to D4 block & various type non resi.building) at port colony vadinar**

*(This Notice is issued only to elicit Expression of Interest from the parties interested in the work and does not constitute any binding commitment from the DEENDAYAL PORT AUTHORITY to proceed with the work or invite any or all the parties in the subsequent bidding process. Public Tenders will be issued subsequently)*

**SECTION – I**

DEENDAYAL PORT AUTHORITY (DPA) invites expression of interest from the Registered Civil Contractors and having experience of Civil Works for “**consultancy services for conducting of structural audit and Non-Destructive test for Determination of structural stability of various buildings- residential building & Non residential building) (A1 toA32, B1 to B18 C1 to C4 D1 to D4 block , & various types of non resi. building )** at port colony vadinar ” The expression of interest can downloaded from Port website [www.deendayalport.gov.in](http://www.deendayalport.gov.in).

The works consist of **Sub:- consultancy services for conducting of structural audit and Non-Destructive test for Determination of structural stability of various buildings- residential building & Non residential building) (A1 toA32, B1 to B18 C1 to C4 D1 to D4 block, various type non resi. building ) at port colony vadinar**

Before supplying of Rates of job work agency can be visited the site.

The items with description are provided in **ANNEXURE - II**

The party shall submit quotation in the format provided at **Annexure-II**.

**How to Apply:** Interested Parties are requested to submit EOI not later than 1500 hours IST on , 2025

**Details of the Party [ies] shall be filled as per Annexures and submit :**

- Name and Address. :-
- Contact person[s] along with contact details,

**Documents to be submitted**

1. Form – A – [Application]
2. Annexure – I [Particulars of Firm]
3. Annexure – II [Budgetary Offer]
4. Annexure – III [scope of work and condition]

**Suggestions**

The Firms may also submit their suggestions and views, if any, that can be considered for the Project, in a separate sheet.

**Address for communication:**

Executive Engineer (C),  
Administration Office Building,  
Offshore Oil Terminal,  
DEENDAYAL PORT AUTHORITY,  
Vadinar, Dev Bhoomi Dwarka - 361010.  
Tel: 0288-257301  
Email: eecivil.oot@deendayalport.gov.com

**SECTION – II**

**Form - A**

**LETTER OF TRANSMITTAL**  
(To be typed in Firm's Letterhead)

To

The Executive Engineer (C)  
Administration office Building,  
Offshore Oil Terminal,  
Deendayal Port Authority,  
Vadinar, Dev Bhoomi Dwarka – 361010.

**Sub:- consultancy services for conducting of structural audit and Non-Destructive test for Determination of structural stability of various buildings- ( residential building & Non residential building) (A1 toA32, B1 to B18 C1 to C4 D1 to D4 block , & various type non resi.building) at port colony vadinar**

**Sir,**

Having examined the details given in EOI Notice and EOI document for the above project, I/we hereby submit our Expression of Interest and the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed form and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.
3. I/We also authorize DEENDAYAL PORT AUTHORITY or their authorized representatives to approach individuals, employers and firms to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability and capability for having successfully provided the services along with prescribed format.
5. We understand that DPA will be at liberty to finalize requirements and issue public tenders for the work.

Thanking you

**Signature(s) of Applicant(s)**

Enclosures:

Seal of applicant:

Date of submission:

**Annexure – I**  
**Name of firms/Applicants**  
(Organizational Structure)

1	Name & Address of the applicant with Telephone No./Fax No	
2	a) Year of Establishment	
	b) Date & Year of commencement	
	c) Legal status of the applicant (attach copies of original document defining the legal status)	
3	a) A proprietary firm	
	b) A firm in partnership	
	c) A limited company or Corporation/ Joint venture / Consortia	
	d) State owned	
4	Any other information considered necessary but not included above	
5	PAN Number	
6	GST Registration Number	
7	Provident Fund Certificate Number	

**Signature with Seal**

## Annexure - II

**Sub:- consultancy services for conducting of structural audit and Non-Destructive test for Determination of structural stability of various buildings- residential building & Non residential building) (A1 to A32, B1 to B18 C1 to C4 D1 to D4 Block, shopping Centre & various type non-resi. building ) at port colony vadinar**

1	Quantity	Unit	Rate in Rs.
<p>. Consulting services for preliminary and detailed structure stability in depth analysis of the existing building and investigation work by conducting required tests comprising of the following. <b>( for one A or B block or or resi. Buiding i.e. old club or institute or water supply building type block building)</b></p> <p>(i) Digital rebound hammer tests for strength assessment ( min – 30 locations)</p> <p>(ii) Ultra sonic pulse velocity test to assess integrity of concrete ( min – 30 points)</p> <p>(iii) Core drilling – 03 nos</p> <p>(iv) Half cell potential test to assess corrosion level ( min – 03 locations)</p> <p>(v) Evalution of chlorides &amp; PH – 03 nos.</p> <p>(vi) Visual inspection and photography.</p> <p>(vii) Identifying sections suitable for repair and replacement where ever required.</p> <p>(viii) General observation &amp; report preparation including submission of recommendations on repair measures for enhancing the life of the structure.</p> <p>(ix) Vetting of report from IIT / any approved Govt engineering college</p>	1	Job work	
<p>2 . Consulting services for preliminary and detailed structure stability in depth analysis of the</p>			

	<p>existing building and investigation work by conducting required tests comprising of the following. ( <b>for one C type block building or non resi. Building i.e.old shopping center or health center or CISF barraak building</b> )</p> <p>(i) Digital rebound hammer tests for strength assessment ( min – 40 locations)</p> <p>(ii) Ultra sonic pulse velocity test to assess integrity of concrete ( min – 40 points)</p> <p>(iii) Core drilling – 03 nos</p> <p>(iv) Half cell potential test to assess corrosion level ( min – 03 locations)</p> <p>(v) Evaluation of chlorides &amp; PH – 03 nos.</p> <p>(vi) Visual inspection and photography.</p> <p>(vii) Identifying sections suitable for repair and replacement where ever required.</p> <p>(viii) General observation &amp; report preparation including submission of recommendations on repair measures for enhancing the life of the structure.</p> <p>(ix) Vetting of report from IIT / any approved Govt engineering college</p>			
		1	jobwork	
3	<p>. Consulting services for preliminary and detailed structure stability in depth analysis of the existing building and investigation work by conducting required tests comprising of the following. (<b>for D type block</b> )</p> <p>(i)Digital rebound hammer tests for strength assessment ( min – 15 locations)</p> <p>(ii)Ultra sonic pulse velocity test to assess integrity of concrete ( min – 15 points)</p> <p>(iii)Core drilling – 03 nos</p> <p>(iv)Half cell potential test to assess corrosion level ( min – 03 locations)</p> <p>(v)Evaluation of chlorides &amp; PH – 03 nos.</p> <p>(vi)Visual inspection and photography.</p> <p>(vii)Identifying sections suitable for repair and replacement where ever required.</p> <p>(viii)General observation &amp; report preparation including submission of recommendations on repair measures for enhancing the life of the structure.</p> <p>(ix)Vetting of report from IIT / any approved Govt engineering college</p>			
		1	Job work	
4	<p>Consulting services for preliminary and detailed structure stability in depth analysis of the existing building and investigation work by conducting required tests comprising of the following. (<b>for</b></p>			

	<p><b>school building)</b></p> <p>(i) Digital rebound hammer tests for strength assessment ( min – 60 locations)</p> <p>(ii) Ultra sonic pulse velocity test to assess integrity of concrete ( min – 60 points)</p> <p>(iii) Core drilling – 06 nos</p> <p>(iv) Half cell potential test to assess corrosion level ( min – 06 locations)</p> <p>(v) Evaluation of chlorides &amp; PH – 06 nos.</p> <p>(vi) Visual inspection and photography.</p> <p>(vii) Identifying sections suitable for repair and replacement where ever required.</p> <p>(viii) General observation &amp; report preparation including submission of recommendations on repair measures for enhancing the life of the structure.</p> <p>(ix) Vetting of report from IIT / any approved Govt engineering college</p>			
		1	Job work	
5	<p>. Consulting services for preliminary and detailed structure stability in depth analysis of the existing building and investigation work by conducting required tests comprising of the following. (<b>for guesthouse building</b> )</p> <p>(i) Digital rebound hammer tests for strength assessment ( min – 30 locations)</p> <p>(ii) Ultra sonic pulse velocity test to assess integrity of concrete ( min – 30 points)</p> <p>(iii) Core drilling – 03 nos</p> <p>(iv) Half cell potential test to assess corrosion level ( min – 03 locations)</p> <p>(v) Evaluation of chlorides &amp; PH – 03 nos.</p> <p>(vi) Visual inspection and photography.</p> <p>(vii) Identifying sections suitable for repair and replacement where ever required.</p> <p>(viii) General observation &amp; report preparation including submission of recommendations on repair measures for enhancing the life of the structure.</p> <p>(ix) Vetting of report from IIT / any approved Govt engineering college</p>			
		1	Job work	
6	<p>Consulting services for preliminary and detailed structure stability in depth analysis of the existing building and investigation work by conducting required tests comprising of the following. (<b>overhead water tank structure</b> )</p> <p>(i) Digital rebound hammer tests for strength assessment ( min – 15 locations)</p> <p>(ii) Ultra sonic pulse velocity test to assess</p>			

	integrity of concrete ( min – 15 points) (iii)Core drilling – 03 nos (iv)Half cell potential test to assess corrosion level ( min – 03 locations) (v)Evaluation of chlorides & PH – 03 nos. (vi)Visual inspection and photography. (vii)Identifying sections suitable for repair and replacement where ever required. (viii)General observation & report preparation including submission of recommendations on repair measures for enhancing the life of the structure. (ix)Vetting of report from IIT / any approved Govt engineering college			
		1	Job work	

**Note: Rate shall be exclusive of GST**

Seal & Signature of the Contractor



## **Annexure – III**

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### SCOP OF WORK AND SPECIAL CONDITION.

#### 1.Objective

Almost all A ,B,C,D type buildings and various type non resi building at vadinar have been constructed during the period of 1977 to 1998 and all building have completed about 40 years of its life. In due course of time building structure has been reduces its strength due to weather effect, material deterioration un expected over loading or physical damages etc . Hence DPA intends to appoint a consultancy firm for conducting of structural audit and non- destructive test for determination of structure stability of various types of building Structures. At OOT DPA vadinar.

#### 2. details of building.

Conducting structural audit including detailed visual inspection and non-destructive test in various types of building of DPA OOT vadinar.

Sr. no	Name of building	Date of construction	Approximate total plinth area in m2	Detailed of floors
1	A type block	1979 to 1990	G.F 120 m2 F.F. 125 m2	Load bearing /framed structure. ground floor + F.F.
2	B type block	1982 to 1998	G.F. 180 M2 F.F. 190M2	....DO..
3	C type block	1982 to 1998	G.F. 199M2 F.F. 218 M2	... DO.....
4	D type block	1984 to 1998	152 M2	Frame structure

				(G.F. +F.F)
5	Old Shopping Centre	1978 TO 1982	400 m2	Load bearing /framed structure. ground floor
6	w/s building electric room	1980 to 1998	200 m2	Load bearing /framed structure. ground floor
7	Old club (institute building)	1978	275 m2	Framed structure (G.F + F.F.)
8	Health center	1978 to 1986	450 m2	Load bearing /framed structure. ground floor
9	Cisf barrack ( old estate office)	1979 to 1995	400 m2	Load bearing /framed structure . ground floor
10	School building	1977 and extension done in the year 1987,1989 and 1999	2000 m2	Load bearing structure (G.F. + F.F.)
11	Guesthouse building	1981 and 1984	750 m2	Load bearing structure (G.F. + F.F.)
12	Overhead water tank	1978	395 m2	Framed structure ht. 23.75m

### 3. broad scope of work.

(i) Structural audit shall be carried out as a qualitative assessment in accordance with latest guidelines of Indian society of structural engineers. Visual inspection of buildings covering internal, external and common areas using light tapping hammer, marking in floor plans all the visible defects, deterioration and qualification.

(ii) Assessment of damages of RCC members through NDT (nondestructive test) with calibration chart for the site by digital rebound hammer test, ultrasonic pulse velocity test, half cell potential test, core test, chemical test.

(iii) finding the probable causes of damages seepages / leakages and status of external plumbing installation.

(iv) Preparation and submission of building wise Comprehensive structural audit Report based on visual inspection interpretation of NDT results suggesting repair/ remedial and retrofitting measures supported by photographs and vetting of report from IIT / any Approved Govt. engineering college.

(v) test reports, color photo, conclusion, recommendation shall be submitted in eight nos of hard copy as well as in soft copy, the work involves to carry out the required tests as per relevant IS.

(vi) the work shall be carried out in accordance with the best standard of workmanship and to the entire satisfaction of the engineer in charge including submission of the detailed report etc. complete.

### 4. special condition.

(i) Consultant shall have services of

(a) One structural engineer

(b) Trained and experienced surveyor

© Engineer to conduct structural audit as per the guidelines of the indian society of structural engineer.

(ii) consultant shall have necessary tools and plants required for the execution of the work and the list of such equipment's shall be attached.

Also methodology supported by exhaustive checklists and software.

(iii) The consultant shall provide at his own cost all materials, plants, tools, appliances, implements, ladders, cordage, tackles scaffolding and temporary works required for the proper execution of the work.

(iv) the whole of work included in the contract shall be executed by the consultant and he shall not directly entrust and engage or indirectly transfer assign or underlet the contract or any part or share thereof or interest therein.

Signature of contractor