

**OFFICE OF THE DIRECTOR, EXPORT PROMOTION AND MARKETING, ODISHA
RAPTANI BHAWAN, FIRST FLOOR, NAYAPALLI, BHUBANESWAR.**

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GOVT OF ODISHA

MSME DEPARTMENT

SHORT TENDER CALL NOTICE

No. IIEMQC-18/2018-23 /EPM, Date-03.01.2019

Sealed tenders are invited from the reputed Manufacturers/Authorized dealers having registration under GST Act for supply of Testing Machines & Equipments (as specified at Annexure-A) for testing of samples for the year 2018-19 for different Testing Laboratories under the administrative control of Directorate of Export Promotion & Marketing, Odisha, Bhubaneswar. The sealed tenders should be reached to the Joint Director (Rate Contract), Directorate of Export Promotion & Marketing, Odisha, 1st Floor, Raptani Bhawan, Nayapalli, Bhubaneswar-751015 by speed post only on or before **21.01.2019 by 5.00PM**. Tender will be opened on **22.01.2019 at 11.30 A.M.** in the presence of the tenderers or their authorized representatives at the Directorate of Export Promotion and Marketing, Odisha, Nayapalli, Bhubaneswar.

Tender documents containing terms & conditions with detail specification of the testing machines & equipments can only be downloaded from the website- **www.depmodisha.nic.in**. Tenderers shall have to submit a Bank draft of Rs 600/- along with the tender documents drawn in favour of Director, Export Promotion and Marketing, Odisha payable at Bhubaneswar, in a separate envelope superscribing "TENDER DOCUMENT FEE".

The undersigned reserves the right to accept or reject any or all tenders in full or parts without assigning any reason thereof.

Director

EXPORT PROMOTION AND
MARKETING, ODISHA, BHUBANESWAR

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Tender Document

Supply of Testing Machines & Equipments for modernization and up-gradation of
Testing Laboratories under the Directorate of Export Promotion & Marketing, Orissa,
during the Year **2018-19**.

GENERAL TERMS AND CONDITIONS FOR INVITATION OF TENDERS FOR SUPPLY OF TESTING MACHINES & EQUIPMENTS.

1. INTRODUCTION: Sealed tenders are invited from the intending Manufacturers/Authorized dealers for supply of testing machines & equipments as per Annexure-A for different Testing Laboratories under DEP&M, Odisha, Bhubaneswar.

2. TIME SCHEDULE:

Last date of submission of Tender documents.		21.01.2019 up to 5 p.m.
Date of opening of Tender documents		22.01.2019 at 11.30 a.m.
Last date of supply of testing machines and equipments	Within 15 days from the date of receipt of supply order.
Release of payment	within one month from the date of Installation & demonstration.

3. LIST OF TESTING MACHINES & EQUIPMENTS: The Tenderer shall submit detail specification, makes, model, brand supported with technical literature/leaf let as specified at **Annexure-A**.

4. SUBMISSION OF TENDER: -The tender shall contain documents as per Annexure-B-I, B-II, B-III. The tender shall be in two parts i.e. technical bid (cover-'A') superscribing "Technical bid" and financial bid (cover-'B') superscribing "Financial bid". Both the Technical bid and Financial bid along with "Tender document fee" envelop shall be put into a big sealed cover superscribing "TENDER FOR SUPPLY OF TESTING MACHINES AND EQUIPMENTS". The tender shall be submitted by speed post only addressed to the Joint Director (Rate Contract), Directorate of Export Promotion and Marketing, Odisha, 1st floor, Raptani Bhawan, Nayapalli, Bhubaneswar-751015, Odisha

5. No Tender will be accepted after due date and time .The authority shall not be responsible for any postal delay.

6. OPENING OF TENDER : The tender received in due date shall be opened on scheduled date and time in presence of the tenderers or their authorized representatives as per the time scheduled given at Para Sl no. 2.

7. BID EVALUATION: - The technical bid shall be evaluated by a Technical Committee and the financial bids of the technically qualified bidders shall only be opened for financial evaluation of tenders.

Quality, Price & Suitability for the purpose of testing in the laboratory shall be a considering factor of selection of testing machines & equipments. The tender shall also be evaluated taking into consideration of after sales service provided by the firm, experience in supply of similar type of testing machines to reputed organizations . Reputed brand with high degree of technical quality shall also be a considering factor for selection of the item. The items with ISI mark shall be given preference over non-ISI items.

8. PERFORMANCE STATEMENT: - The tenderer shall submit their experience in supply of the testing machines & equipments for last 3 years in the performance statement format in Annexure –B II.

9. PERFORMANCE SECURITY: - The successful tenderer is required to furnish performance security i.e. 5% on the basic price of the goods in shape of Bank guarantee from any Scheduled Bank within 15 days of placement of supply order, which should be valid for a period of sixty days beyond the date of completion of guarantee/warranty period. The Bank Guarantee is liable to be forfeited in the following cases: -

- i) Non-supply of the item within the delivery period.
- ii) Non-attending the complaints during the guarantee/warranty period.

10. DELIVERY OF GOODS/CONSIGNEE: - The machines & equipments shall be delivered at Testing Laboratory located at, Industrial Estate, Cuttack,Rourkela, Berhampur &Angul for the items listed in Annexure –A at supplier's cost.

11. PAYMENT TERMS: - 100% payment shall be made within one month from the date of installation & demonstration and submission of calibration certificate as applicable. Terms of advance payment is not acceptable.

12. PAYING AUTHORITY: - Senior Scientific Officer, Testing Laboratory, Cuttack Rourkela, Berhampur and Angul are the paying authority. The bills in triplicate shall be submitted in the name of the paying authority of the concerned laboratory.

13. TENDER VALIDITY:- The price quoted in the tender shall be valid till 31.03.2019.

14. PACKING /FORWARDING / INSURANCE: -The materials dispatched shall be properly packed & forwarded to avoid any incidental damages during transit/handling. The material may be insured at suppliers cost.

15. WARRANTY / GUARANTEE: - The goods shall be covered with warranty /guarantee for minimum period of 24 months from the date of installation/demonstration. The firm shall provide prompt after sales services & attend complaint within a week to prevent disruption of work in the laboratory.

16. TRAINING: The firm shall provide training to at least 02 Nos. of testing personnel at free of cost at the concerned Laboratory wherever required.

17. GST /IT: - The supplier shall have to provide copies of valid GST Registration Certificate along with their PAN/STCC/ITCC as applicable.

The suppliers from outside the State of Odisha shall supply the machines and equipments through billing by Branch Office/Sales Depots of the manufacturer inside the State.

18. AUTHORISATION: - In case of authorized supplier of the manufacturer/ dealer, the bid must accompany with authorization from the manufacturer / dealer. Authorization and specimen signature of the authorized signatory shall also be submitted.

19. ACCEPTANCE: - The tenderer should sign each page of bid document with seal as a token of acceptance of all terms & conditions of the bid documents.

20. PRICE: - (i) The price quoted should be inclusive of all required accessories of the machines.

(ii) The tenderer shall have to give the price breakup as per the price schedule format (item wise) in Annexure-B III.

21. EMD: - The firms participating in the tender are required to submit earnest money @5% of the basic price of the quoted item(s) in shape of Demand draft drawn in favour of Director, Export Promotion and Marketing, Odisha payable at Bhubaneswar. failing which the tender shall be summarily rejected. The EMD shall be returned to unsuccessful tenderers on finalization of tender. The EMD of the successful Tenderer shall be returned after receipt of performance security.

22. PURCHASER'S RIGHT: - The purchaser reserves all rights to accept / reject any or all tenders without assigning any reason thereof.

23. AWARD OF CONTRACT: - Purchase order shall be placed with successful tenderers. As a token of acceptance, the supplier shall return one copy of the purchase order out of the two copies sent within a week.

24. TENDER LANGUAGE & CURRENCIES: - All information in the offer & all correspondences & documents, printed literatures furnished by the tenderer should be written in English. The quoted price shall be Indian Rupees only.

25. RESOLUTION OF DISPUTE: - Any dispute arising out of the contract shall be settled amicably. However, the jurisdiction shall be in court at Bhubaneswar only.

ANNEXURE B-I

DOCUMENTS TO BE SUBMITTED IN THE BID

(FOR TECHNICAL BID)

1. Bid document duly signed in each page with seal as a token of acceptance of all terms & conditions of bid documents.
2. Whether EMD submitted.
3. Detail specification along with leaflet, literature.
4. STCC/VAT/CST/GST clearance certificate.
5. Income tax clearance certificate / PAN.
6. Performance statement as per Annexure-B- II
7. Authorization from manufacturer.(in case of authorized dealer/ supplier).

Signature of the bidder

PERFORMANCE STATEMENT

(For last 3 years)

LIST OF CLIENTS/GOVT. DEPTS. TO WHOM TESTING MACHINES SUPPLIED

Sl. No.	Organization to whom supplied .	Order No & date.	Stores ordered	Value of orders	Proof of trouble free performance

Signature of the bidder

ANNEXURE B- III

PRICE SCHEDULE (ITEM WISE)

Item Sl. No.	Detail Specifi – cation.	Basic Price	GST	Total cost

Signature of the bidder.

Annexure-A

List of machines and equipments with specification to be purchased for the testing laboratory during year 2018-2019

Sl.No	Name of the machines & equipments with its detail specification	Purpose
1	Paint Corroission Cabinet for cyclic corrosion test to accommodate 18 panels as per IS:101 (P-6)/sec-1/1988 with digital temperature controller having calibration certificate traceable to NPL. (i) The equipment should confirm to IS:106Pt-6/sec-1/1988 (ii) should be of double walled construction with inner SS and outer MS duly painted (iii) The temperature inside the chamber should be controlled by digital temperature controller (iv) A motorized fan should be provided inside the chamber to maintain uniform temperature & humidity. Temperature in any part of the air space shall not differ by more than 1°C at any given moment. V) Humidification – 100% RH shall be maintained by evaporation of water from the reservoir covering the bottom of the cabinet. Vi) Heating and maintenance of temperature cycle :- the cabinet shall be heated through the medium water by heater completely immersed in water. Heating shall be controlled by two thermostats placed in the air space in such a way that the temperature cycles continuously from 42 to 48 °C & back to 42°C in not less than 45 minutes & not more than 75 minutes. The time required for heating & cooling shall be approximately equal. Vii) Suitable racks shall be provided inside the chamber to hang the sample panels.	To determine the performance requirement of finish of painted metal sheets.
2	F1 Class Weights 1 mg to 200 g (set) complete with box as per OIML standard supplied with calibration certificate from 7NPL, New Delhi	Analytical weighing purpose
3	Scratch Hardness Tester/ Motorized clemen unit, electrically operated model with light arrangement . A test panel is clamped driven by constant speed while needle scratches the surface. By increasing the load varying degree of penetration of the needle in to the coating surface is observed. Automatically electrically operated model. Capacity- 230 V AC supply single	To determine the Scratch hardness of the paint film.

	phase as per IS:101(P-5)/sec-2/1988	
4	<p>Ductility Testing Apparatus as per IS:1208</p> <p>The apparatus consists of a Water bath with a thermostatic heater and a circulating pump to maintain uniform water temperature. One half of the briquette moulds is fixed on a fixed plate in the water bath, the other half of the briquette mould is fixed to a carrier which slides over a rotating threaded shaft with a clutch. The motor and gears to rotate the shaft are housed in a cabinet fixed above the other end of the bath. A pointer fixed to the carrier moves over a scale graduated from 0-110 cm x 1 mm fixed on the bath with "0" (zero) of the scale towards the fixed plate side. The rotating shaft has 2 speeds of travel for the bracket, 5 cm/ min and 1 cm/ min. Selected by a clutch. Water bath inside is aluminium, it is an insulated water bath. Water bath is provided with a drain. A heater with thermostatic control is fixed inside the water bath. Control switches for motor, stirrer, heater and indicator lamps are fixed at a convenient place on the water bath. Complete with three briquette moulds and one base plate all made of brass. Operates on 230Volts AC, single phase,</p> <p>Accessories:-</p> <ol style="list-style-type: none"> 1) Thermometer range 23 °C to 27°C 2) Ductility mould with base plate 	To determine the ductility of bitumen samples
5	<p>Absolute Viscosity of viscosity graded paving bitumen (IS:73) at 60 C in accordance with IS:1206 (Part 2) (similar to ASTM D 2171), which uses a vacuum capillary viscometer (Cannon-Manning vacuum viscometer) Complete Absolute Viscosity Testing Equipment conforming to IS:1206 (Part 2) Method for Testing Tar and Bitumen Materials: Determination of Absolute Viscosity with the following components:</p> <ol style="list-style-type: none"> 1. Constant Temperature Bath – A suitable bath for immersion of at least 6 vacuum capillary viscometer tubes with a digital temperature controller. The accuracy of the temperature in the bath should be +/- 0.1 C throughout the bath. 2. Silicone Bath Oil suitable up to 150 C 3. Vacuum System – Capable of maintaining a vacuum within +/- 0.05 cm of the desired level up to and including 30 cm of mercury. The system shall consist of vacuum pump, moisture trap, vacuum regulator, manometer with electronic controller, bleed valve, all 	To measure Absolute Viscosity of viscosity graded paving bitumen

	<p>interconnecting tubing/piping, and any other accessories as needed to complete the vacuum system.</p> <ol style="list-style-type: none"> 4. Thermometer for Bath – Mercury in glass, range 37.8 to 82 C, and graduations of 0.2 C. 5. Timing Device – A stop watch or stop clock capable of reading up to ½ second. 6. Cannon-Manning Vacuum Viscometers– With manufacturers’ calibration certificate, viscometer holder and silicone cork. Size 12 and Size 13 (one each) [Size 12 is suitable for testing VG-10 and Size 13 is suitable for testing VG-20, VG-30, and VG-40 bitumen.] 7. Viscometer Stand – for holding 6 viscometers. 8. Installation of the quoted instrument in client’s laboratory and operational training. 	
6	<p>Universal Hardness Tester Brinell, Vickers, and Rockwell. Universal Hardness Tester, with its user-friendly operator panel, displays hardness values for all common hardness test procedures. The closed-loop load system eliminates overshoot and combines a fully-automatic controlled test cycle with a broad load range from 1 - 250 kgf. The quick access buttons allow operators access to 99 different test programs for all hardness scales (HR, HB, and HV). In compliance with ISO standards, each program can be set up with user-defined test parameters including test force, application time, conversion, and shape correction. The intuitive user interface and one-touch operation ensures an efficient and reliable test process, while the interchangeable objectives, which range from 20 - 140X magnification, allows for testing a variety of applications.</p> <p>Features</p> <ul style="list-style-type: none"> • Operator panel indicates hardness diagonals, value, statistics, and conversions • Optical system with a 135 mm diameter screen allows for high-precision measurements for Brinell and Vickers • Brinell, Vickers, Rockwell, and Superficial Rockwell in one machine • Automated test cycle by the push of a start button • Load cell technology allows for more accurate test results and improved efficiency • Heavy-duty clamping and protection device • Interchangeable magnifications with optional 20X, 44X, 70X and 140X magnification (140X is in standard delivery) • Wide range of test tables and anvils available for most product geometries 	
7	Digital Electro Analyzer with out electrode	For testing purpose (Chemical section)
8	Automatic Blaine apparatus as per IS: 4031 (Pt.-2)	for testing of fineness test

		of cement
9	Dehumidifier for Temp- Humidity control for room size – 40ft x 20 ft	Humidity control
10	Digital Compression Testing machine i) Automatic operated & Manual operated II) Capacity-50 Tone(500 KN) iii) Digital Display iv) Correct results with NABL Calibration Certificate	For Compression Testing
11	Portable Digital Hardness Tester. a)Suitable for Hardness Test in the scale HV, HBW, HRB, HRC, Shore & Conversion. b)Rechargeable Battery operated. c)Light Weight d)Digital display with graph. e)Protective carrying Case for safe handling f) Correct results with NABL Calibration Certificate	
12	Portable Ultrasonic Thickness Gauge. a)LCD Digital Display. b)Light weight for handling c)To measure 0.5 mm thick to 10 mm thick. d)Correct results with NABL Calibration Certificate e>Contact face dia.-12.5 mm f) Protective carrying Case for safe handling g)One extra probe to be provided. h)Correct results with NABL Calibration Certificate	
13	Dry film thickness gauge Type-II, Electronic, to measure the coating on almost any substrate whether ferrous/non ferrous of any reputed make/model preferably Elcometer 456/Erichsen Minitest 720,730,740 New generation portable thickness gauge complete with modern signal processing, Internal probe, cable probe. Measurement capability to $\pm 1\%$, Repeatable & reproducible with fully traceable test certificate. Should have features like colour LCD with auto rotate, high & low reading limit indicators, easy to use menu in multiple languages. Make-Elcometer/Erichsen	, to measure the coating on almost any substrate whether ferrous/non ferrous of any reputed make/model
14	Cylindrical Mandrel Bend Tester, as per cl-2 of I.S.101(part-5/sec-2)/1988 for determining the flexibility & adhesion by bend test of of dry Painted & flat cured specimen .Consisting of a frame with a bending lever with height adjustable rollers & a sliding vice for clamping the samples so that the test pieces are bent perfectly and regularly on decreasing mandrels until the desired effect can be observed. The instrument can be adjusted to the diameter of the mandrel used as the mandrels are easily changed. Complete with metric mandrel set 2 to 32 mm, test piece width 64 mm(2.5") Max, test piece Length 80 to 100 mm Make-Elcometer(Model 1506	for determining the flexibility & adhesion by bend test of of dry Painted & flat cured specimen
15	Digital hanging type portable weighing balance capacity 100 kg least count 20 gm	for finding out weight

16	Digital micrometer (flat ended) size 0 to 25 mm , least count 0.001 mm	find out thickness of flat surface
17	Digital micrometer (Ball ended) size 0 to 25 mm, least count 0.001 mm	find out thickness of rounded surface
18	Digital caliper , size 0 to 200 mm , least count 0.01 mm	to find out length
19	Impact resistance tester ,as per i.S.101(part-5/sec-30/1999,Method –B(CI-4.1),falling weight Apparatus,complete with falling weight 1kg(2.2 lb) complete with other kits/accessories such as die,stop collar,fixing screw,sample clamp,hexagonal wrench etc.it should have special features like tube Heigh 1000mm (39”),fast &safe weight release mechanism, graduated tube engraved in kg-cm&lb-inch(1 m/39” height) metric &imperial units,integrated bubble level,stop collar with 10 settings between 2mm&15 mm with heavy duty passivated base plate and anodized arm to prevent rusting. Make-Elcometer / Erichsen	To find out impact resistance
20	Double beam U.V. visible spectrophotometer <u>Technical specification</u> - Should be suitable for quanitive analysys of drugs in formulation wave length range-190 nm to 1100 nm . photometric range -4 to 4 Abs, working mode – stand alone & pc controlled with windows based application, detector – silicon photo diode.	To determine the quantity of drugs in a formulation