



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)**

(An Institute of National Importance under Ministry of HRD, GOI)

NOTICE INVITING TENDER

Tender Notification No: NITR/PW/ME/2018/09

Dated: 07-03-2018

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Single cylinder, four stroke, water cooled diesel engine with mechanical (Rope brake) dynamometer test set up with necessary accessories, Computerized single Cylinder, four stroke, oil cooled petrol engine test set up with electrical dynamometer with combustion diagnostic and Cut section of a car model at NIT Rourkela.**

Last date of Submission of Bid: 28/03/2018 at 11:00 AM

Opening date of Technical and Financial Bid: 29/03/2018 at 11:00 AM

For Details: http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Dr. S.Murugan, ME; Ph. 0661-2462525; Email: murugans@nitrkl.ac.in

Bidding through: <https://eprocure.gov.in/eprocure/app>

**sd
REGISTRAR**



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
- 769 008, ORISSA

(OPEN TENDER NOTICE NO: NITR/PW/ME/2018/09

Date: 07-03-2018)

(Purchase of (I) Single Cylinder, Four Stroke, Diesel Engine With Mechanical(Rope Brake) Dynamometer Test Set Up With Necessary Accessories , (II) Computerized Single Cylinder, Four Stroke Petrol Engine Test Set Up With Electrical Dynamometer With Combustion Diagnostics, And (III) Cut Section Of A Car Model At NIT Rourkela)

Sl.No	Description of Goods/Service	Quantity
1.	<p>Single cylinder, four stroke, water cooled diesel engine with mechanical (Rope brake) dynamometer test set up with necessary accessories that include panel comprising fuel measurement device, air tank and air flow measurement device, exhaust gas calorimeter as per the description given in Annexure-1.</p> <p>Engine: Engine power output : 4.4kW/5HP Speed : 1500rpm Type of Cooling : Water cooling Starting : Crank starting Lubrication : Forced</p> <p>Dynamometer Type : Rope Brake Dynamometer Cooling : Air Load Measurement method : Dead Weights Max Speed : 1500 rev/m HP : 5 HP Coupling Type : Direct on Engine Fly Wheel</p>	1.00
2.	<p>Computerized single Cylinder, four stroke, oil cooled petrol engine test set up with electrical dynamometer with combustion diagnostics and necessary accessories that include pressure transducer, crank position sensor, data acquisition system, computer, UPS, panel comprising fuel measurement device, air tank and air flow measurement device, exhaust gas calorimeter as per the description given in Annexure-2.</p> <p>Engine: Engine power output : 2.5 HP Speed : 3000 rev/m Type of Cooling : Water cooling Starting : Crank starting Lubrication : Forced</p> <p>Dynamometer Type :Electrical Dynamometer Cooling :Air Load Measurement method :Lamp Load Max Speed :3000 rev/m HP :3 HP Coupling Type :Direct on Engine Fly Wheel Load method :Engine loading to be given from a computer .</p>	1.00

3.	<p>Cut section of Car model</p> <p>This is a full scale working cut section model of an automobile car designed to enable students to study different systems of a passenger vehicle & demonstrate its working. The setup uses an actual automobile car, sectioned at suitable locations to display internal assemblies as per the description given in Annexure-3.</p> <p>Motor to drive the unit : Electrical motor Car model : TATA / Maruti or equivalent Car assembly : Engine, Transmission, Brake System, Engine Cooling System, Air Intake System etc</p>	1.00

Quantity required Delivery: as mentioned above (All information provided in technical specification)

Delivery: Within 60 days from the date of purchase order,

Last Date of submission of Tender: 28/03/2018, 11:00 AM

Date of opening of technical and financial bid: 29/03/2018, 11:00 AM

1. The firm should not have been black listed at any time.
2. The submission of following bids by the tenderer should be through <https://eprocure.gov.in/eprocure/app>
3. Please follow the guidelines as per the portal.

Purchase of Single Cylinder, Four Stroke, and Water Cooled Diesel Engine With Mechanical (Rope Brake) Dynamometer Test Set Up With Necessary Accessories, Computerized Single Cylinder, Four Stroke, Oil Cooled petrol Engine Test Set Up With Electrical Dynamometer With Combustion Diagnostics and Cut Section Of A Car Model.

(Tender Notice No.: - NITR/PW/ME/2018/09, dated: 07-03-2018 Due on 28/03/2018 at 11:00 AM)

4. Liquidated damage clause will be charged for any delay in supply of goods.
5. The validity of the tender shall be **90 days** from the date of opening of the bids.
6. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx.
7. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

(REGISTRAR)
NIT, Rourkela
Fax No- 0661-2462022
Ph. No -0661-2472021