

# GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR

(Formerly Orissa School of Mining Engineering (Degree Stream), Keonjhar)

At- Jamunalia, P.O: Old Town, Dist- Keonjhar, Pin-758002, Odisha

Web: www.gceekjr.ac.in

No. 240 / Dt. 07.02.23

## NOTICE FOR MAINTENANCE OF IC ENGINE LAB

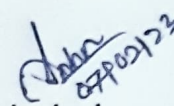
Sealed quotations are invited from reputed firms for providing maintenance service for Internal Combustion engine lab equipment.


Interested parties may submit their quotations as per the following terms and conditions in a sealed cover superscribed as "QUOTATION FOR MAINTENANCE OF IC ENGINE LAB" latest by 14<sup>th</sup> February 2023.

The list of different maintenance work annexed here.

### Terms and Conditions:

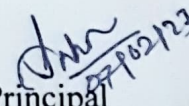
1. Quotation will only specify the service charges.
2. Charges of spare parts and oils etc. will be added in the bill in addition to the service charges.
3. GST registration certificate and GST clearance document should be provided with the quotation document.
4. After completion of work and submission of bill, payment will be made electronically to the service providers account within 15 days.
5. Payment will be made after the satisfactory verification.


  
Principal

 Government College of Engineering, Keonjhar

Memo No: 241 /Dt. 07.02.23

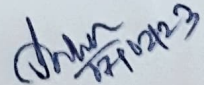
Copy to Institutional Notice Board/ Account section/ General store/ Mechanical Department for general information.


  
Principal

 Government College of Engineering, Keonjhar

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Copy to DIPRO, Keonjhar for kind information with a request kindly display in their notice board for information of general public.

  
Principal

 Government College of Engineering, Keonjhar

## DETAILS OF MAINTENANCE

### **INTERNAL COMBUSTION ENGINE LAB: -**

#### **1. MORSE TEST**

- i. Fuel pipes need to be changed.
- ii. Calibration and changing of cylinder cut-off switches.
- iii. Calibration of spring balance.
- iv. RPM meter checking and overhauling.
- v. Accelerator cable change.
- vi. Engine oil changing.

#### **2. FOUR STROKE DIESEL ENGINE**

- i. Fuel pipes need to be changed.
- ii. Solve the starting problem.
- iii. Check and solve the water leakage problem in the cylinder head.
- iv. Overall checking.
- v. Checking and calibration of rheostat.
- vi. Engine oil changing.
- vii. Exhaust pipe extension out from the lab wall.

#### **3. FOUR STROKE PETROL ENGINE**

- i. Fuel pipes need to be changed.
- ii. Overhauling of engine and engine oil changing.

#### **4. TWO STROKE PETROL ENGINE**

- i. Fuel pipes need to be changed.
- ii. Carburetor problem checking and replace if required.
- iii. RPM indicator changing.

iv. Overhauling of the engine.

#### 5. AIR COMPRESSOR

- i. Changing of lubricating oil.
- ii. Checking, calibration and changing of sensors.
- iii. Energy meter checking and replacement if required.

#### 6. GEAR PUMP

- i. Overall checking and overhauling
- ii. Energy meter changing