



MARIAN

ENGINEERING COLLEGE

Managed by Latin Archdiocese of Trivandrum

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GSTIN: 32AAATT2455Q3Z3

No. MEC/QR-73/C-4 /26-27/A4-02

10.09.2026

QUOTATION NOTICE

Sealed quotations are invited from reputed and authorized suppliers for the supply of the following Diesel Engine Test Rig as per the specifications given below. Quotations along with terms and conditions may reach this office on or before 29-09-2026 at 3pm.

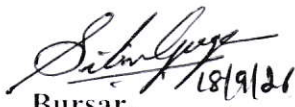
Sl. No.	Description	Qty.
1	Single Cylinder Four Stroke Diesel Engine Test Rig with Mechanical Loading Arrangement and Exhaust Gas Calorimeter for Heat Balance Sheet. Make: Kirloskar Engine	01 No.

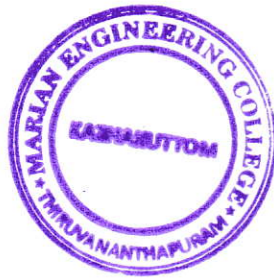
Terms & Conditions

1. Quotations should be submitted in sealed cover before the last date and time and late submissions on any reason will be rejected summarily. Quotations submitted incomplete in any respect such as unattested, with errors and corrections etc. will be summarily rejected.
2. The Rate should be as per your specifications stating price and GST etc. GST on cost will be considered only if the GSTIN is mentioned in the quotation.
3. The Quotation should contain the details of brand name, maker, distributor, manufacture, authorization certificates etc.

4. The rate should include all types of cost such as installation, loading and unloading etc.
5. Delivery Should be made within 15 days of issuing supply Order.
6. The final decision on the acceptance/rejection/finalization/postponement of the quotation is solely rests with the Management and the claim of any sort cannot be entertained in this matter.

For more details, please contact in the above numbers/email or the College office during working hours.


Bursar, 18/9/21

TEST RIG SPECIFICATIONS

✓ Engine: Single cylinder 4-stroke water-cooled diesel engine

MAKE : KIRLOSKAR

BHP : 5 HP

RPM : 1500

BORE : 80 mm

STROKE LENGTH : 110 mm

STARTING : HAND CRANKING

COMPRESSION RATIO : 16.5:1

✓ Load: Brake drum made of MS, with cooling arrangement

✓ Air Flow: MS air tank with orifice and an acrylic U tube Manometer

✓ Temperature sensors: "K" Type with digital indicator & Selector Switch

✓ Load measurement: Spring balance – 2Nos

- ✓ Fuel flow: Glass metering column (burette) with stop cock with stop watch with 5 ltr fuel tank
- ✓ Water flow: By Using Rota meter
- ✓ Speed: A non contact type proximity sensor with digital indicator(0-9999 rpm)
- ✓ Calorimeter: Pipe in Pipe for Heat Balance Sheet

Experiments to be done

1. Performance Test
2. Heat Balance Test
3. Retardation Test
4. Cooling Curve test