



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF MECHANICAL ENGINEERING
KANPUR-208016, INDIA

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Enquiry no.: ME/ERL/2014-15/March/01

Enquiry date: March 09th, 2015

Last Date: March 30th, 2015

Enquiry for a 2.4 L GDI Engine, Relevant
Components and Accessories

Sealed quotations are invited for the purchase of a 2400 cc Gasoline Direct Injection (GDI) engine and the relevant components. The engine is required for engine test cell to be established at IIT Kanpur. The engine should be complete with all wiring harnesses, ECU and sensors and the supplier should be able to start the engine in stand-alone mode at IIT Kanpur. The detailed components are mentioned below:

1. ENGINE

- **Engine Capacity** : 2400CC
- **Engine Type** : DOHC-GDI
- **Fuel Type** : GASOLINE UNLEADED
- **Transaxle** : 7-MANUAL T/M – 6 SPEED 2WD

2. GENERATOR ASSEMBLY

(MANUAL T/M – 6 SPEED 2WD)

- Generator Assembly
- Pulley Generator
- Frame Assembly
- Screw – Flange
- Bearing Front
- Bolt Through
- Rotor Assembly-Generator
- Bearing Rear
- Rectifier Assembly
- Regulator Assembly
- Generator
- Cover Bolt

3. STARTER ASSEMBLY

(MANUAL T/M -6 SPEED 2WD)

- Starter Assembly
- Stopper Kit- Starter
Pinion
- Bracket Assembly-
Starter Front
- Sleeve Metal
- Screw
- Switch Assembly-Starter
Magnetic
- Hexagon Nut
- Lever Set
- Lever
- Lever- Packing
- Ring Stop
- Stopper – Machine
- Packing Starter
- Clutch Set
- Planet Gear Assembly
- Shaft Assembly Gear
- Bearing Gear
- Clutch Over Running
- Armature Assembly
- Yoke Assembly Starter
- Bracket Starter Rear
- Brush Holder Assembly
- Bolt Through
- Sleeve Bearing Rear
Bracket
- Screw
- Bolt

4. WIRING ASSEMBLY FRONT

- Manual T/M -6 Speed
2WD
- Clutch Lock
- Driver Side – Depowered
- Passenger Side –
Depowered
- ESC (Electronic
Stability Control)
- Key less Entry-B/Alarm
- H/Lamp Washer
- Leveling device - Auto
- Sporty Type-MFR
- Multi Fuse
- Immobilizer
- Rain Sensor

5. WIRING ASSEMBLY CONTROL

- Manual T/M -6 Speed 2WD
- Emission Regulation –EC 2005
- EVAP
- Gas Control – EURO -3
- HPS (Hydraulic Power Stag)
- Immobilizer

6. ELECTRONIC CONTROL UNIT AND COMPLETE WIRING

Terms and conditions:

- (i) Provide “Authorization certificate” from the manufacturer, in case the quotation is submitted by an Indian Agent.
- (ii) Prices should **include delivery and installation** at IITK.
- (iii) Validity of quotation should be at least for 90 days.
- (iv) Warranty: One Year from the date of Installation and Commissioning. Anything missing in the tender document to prove the system is also the responsibility of the supplier.
- (v) All necessary components (cables, sensors, switches etc.) required for proper functioning of system must be included in the offer.
- (vi) The responsibility of successful installation rests with the supplier in a reasonable time frame, as indicated by the indenter.

Kindly send your best Technical and Commercial offer so as to reach us on or before March 30th, 2015 to the following address:

The undersigned reserves the right to accept the offer in part or full or reject completely without assigning any reasons.

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In case of any queries/clarification related to this tender, you may contact Mr. Ayush Jain (+91 9005532203).