

PRE-QUALIFICATION CRITERIA FOR PUBLISHING IN ADVANCE VENDOR REGISTRATION(AVR-8)
Ref: GM Sanction ltr No. EFA/MM/OTE/Make-II/PQC dtd 12.03.2021

Item details

L F No.	621 305 1000
Nomenclature	Piston with Ring Assy
Drawing Number	Sb 304-01-1

Mandatory Requirements

1. Firm should be in-line with manufacturing of Pistons and supplies to leading Indian/global Automobile/heavy engineering industry with a proven track record.
2. Should have tie-up with reliable source for procurement of Aluminum & Steel raw material, as specified in drawings.
3. In-house manufacturing facility which include Forging of Aluminum pistons, heat treatment facilities, standard CNC Turning centers and CNC Machining Centers or automated lines specifically designed for manufacturing of Pistons for IC Engines.
4. Firm should also have 3D CMMs, Profile Projectors and checking of tangential load for rings.
5. The complete inspection facility for Pistons and Rings should be available in-house.
6. Firm should have traceability of all its production & supplies to facilitate proper investigation if a product lot is found defective
7. Firm should practice modern methods in preservation of raw material, transportation and preservation of finished goods and packing and forwarding of stores to EFA to avoid any damage or rusting to Pistons and Rings
8. The firm should carry out thorough study of drgs and specifications and submit a quality plan.
9. The firm should have tie-up with Labs for radiographic tests to detect cracks and porosity.
10. Alternate power source like a Power generator to continue production in case of power outage

Optional Requirement

1. Firm may be ISO 9000, 14000 certified with valid certificate
2. In-house facility for coating of Pistons after machining

Notes to Firm

1. Detailed reports in respect of dimension, chemical & mechanical accredited by NABL to be submitted along with consignment.
2. ID mark/Batch Nos,/Heat No and Serial no(if specified) to be done in each part.
3. Samples shall be approved based on the inspection, fitment, performance and limited endurance trial on Engine.
4. QAP and Manufacturing process sheets to be studied before commencement of sample.



T.Saravanan
JWM/EAS-III
Member



K. Ramesh Kumar
JWM(SG)/QC
Member



Asheesh Sharma
WM/EAS-III
Member




Rahul Sharma
WM/QC-P
Member

Approved/Not Approved



11/06/21
AGM/P&MM

Approved/Not Approved



11/06/21
AGM PLG (for QC)