**Table 20**

**TECHNICAL SPECIFICATION OF GASEOUS FUELLED VEHICLES KIT (DEDICATED / BI-FUEL / DUAL FUEL / DEDICATED DUAL FUEL AS APPLICABLE)**

|  |  |
| --- | --- |
| 1. **Details of Kit Manufacturer / Supplier / Installer**
 |  |
| 1. Name of the Manufacturer
 |  |
| 1. Address
 |  |
| 1. Telephone No. & Fax No.
 |  |
| 1. **Gas Kit Identification**
 |  |
| 1. Identification No.
 |  |
| 1. Variants, if any
 |  |
| 1. Fuel system ( Dedicated / Bi-Fuel / Dual Fuel / Dedicated Dual Fuel)
 |  |
| 1. Type of Dual- fuel system (Type 1A / 1B / 2A / 2B / 3B)
 |  |
| 1. Fuel ( Gas Fuel (Specify Name of fuel) & Gasoline / Diesel)
 |  |
| 1. **Cylinder Details (PESO approved / endorsed)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max. test pressure (kg/cm2 )
 |  |
| 1. Cylinder capacity (water equivalent) ( liters) and diameter (mm)
 |  |
| 1. Approval reference from PESO (PESO compliance with Date)
 |  |
| 1. Number of Cylinders fitted ( schematic drawing)
 |  |
| 1. Tare weight of each cylinder (kg)
 |  |
| 1. Approval reference ( PESO compliance with Date)
 |  |
| 1. **Cylinder Valve (s) / Shutoff valve (PESO approved / endorsed)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name/Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max. test pressure (kg/cm2 )
 |  |
| 1. Approval reference from PESO (PESO compliance with Date)
 |  |
| 1. **Solenoid Valve / Automatic shutoff valve**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model Name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max test pressure (kg/cm2 )
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Petrol Solenoid Valve**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model Name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max test pressure (kg/cm2 )
 |  |
| 1. **Refilling valve / Refilling Receptacle**
 |  |
| 1. Name of the manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max test pressure (kg/cm2 )
 |  |
| 1. **Pressure Regulator**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Inlet pressure (kg/cm2 )
 |  |
| 1. Outlet pressure (kg/cm2 )
 |  |
| 1. No. of stages
 |  |
| 1. Approval reference (Test Report / TAC compliance with Date)
 |  |
| 1. **Vaporizer / Heat exchanger (for LNG)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Inlet pressure (kg/cm2)
 |  |
| 1. Outlet pressure (kg/cm2)
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Filter**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Inlet pressure (kg/cm2 )
 |  |
| 1. Outlet pressure (kg/cm2 )
 |  |
| 1. **Oil Pump or Lubrication System, if applicable**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Type
 |  |
| 1. **High Pressure Tubing**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type ( rigid / flexible)
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max. test pressure (kg/cm2 )
 |  |
| 1. Outer diameter / Inner Diameter (mm)
 |  |
| 1. Material
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Low Pressure Tubing**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No.
 |  |
| 1. Type
 |  |
| 1. Working pressure (kg/cm2 )
 |  |
| 1. Max test pressure (kg/cm2 )
 |  |
| 1. Outer diameter / Inner Diameter (mm)
 |  |
| 1. Material
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Gas-Air Mixer**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No
 |  |
| 1. Type & drawing
 |  |
| 1. Venturi Size (mm)
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Gas Injector**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No
 |  |
| 1. Type & drawing
 |  |
| 1. Injector flow specs
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **ON / OFF Switch (Fuel selector switch)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model name / Identification No
 |  |
| 1. **Ignition System**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Type of Ignition System
 |  |
| 1. Spark plug gap, mm
 |  |
| 1. Make
 |  |
| 1. Identification
 |  |
| 1. **Wiring Harness**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Electrical circuit diagram / Detail layout
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Interfacing Unit (ECU)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. **Ignition Timing Advancer**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Type
 |  |
| 1. Timing on Gas mode
 |  |
| 1. Timing on baseline fuel.
 |  |
| 1. **Fuel selector switch**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Model No
 |  |
| 1. Type
 |  |
| **22 .Fuel flow actuation mechanism (Mechanical / Electronic)** |  |
| 1. Brief description of system (Attach Annexure)
 |  |
| 1. Schematic layout (Attach Drawing)
 |  |
| 1. Identification of critical components of Kit, including ECU, Lambda sensor, Pressure sensor, temperature Sensor etc with Make and Identification number) (attach Annexure)
 |  |
| **23. Brief Description of System Including Dimensional Layout for Cylinder and other kit components installation ventilation details etc.** |  |
| 1. **Joints and connections**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Type
 |  |
| 1. Number of Joints and connections represented on Drawing (Attach Drawing)
 |  |
| **25. Catalytic Converter OE**  |  |
| 1. Make & identification Replaced
 |  |
| 1. Make & identification
 |  |
| 1. **Refilling valve interlocking switch (NA for LNG)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. **Current limiting Device (Fuse)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Voltage / current rating
 |  |
| 1. Type
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Indicator**
 |  |
| 1. Pressure Indicator (If provided)
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. Temperature Indicator (for LNG)
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. **Service shut off valve**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. **Compartment/Sub-compartment / Gas tight housing**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No
 |  |
| 1. Type
 |  |
| 1. Material used
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Conduit**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Inner & outer diameter
 |  |
| 1. Type
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Details of non-moisture retaining hard rubber / equivalent material padding / lining provided for inner side of the cylinder mounting band(s)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. Number of bands / cylinder ( Should be part of layout )
 |  |
| 1. Approval reference (Test Report / Approval Number)
 |  |
| 1. **Battery cut off switch (if applicable)**
 |  |
| 1. Name of manufacturer
 |  |
| 1. Identification No.
 |  |
| 1. Type
 |  |
| 1. **Labels - Number and position**
 |  |
| 1. **First Aid Box**
 |  |
| 1. **Fire Extinguisher ( Number and Type)**
 |  |
| 1. **Idle rpm**
 |  |
| 1. **Brief Description of System Including Dimensional Layout for Cylinder and other kit components installation ventilation details etc.**
 |  |
| 1. **Any other information**
 |  |
| Note: **In case of OE fitment, if any of the above information is already covered in the information submitted as per AIS- 007, only the reference need be given and it is not necessary to duplicate the information.** |
| \* Mention NA wherever not applicable |