



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
MATERIALS MANAGEMENT DIVISION**

PR NO. 1000042176

RFX No. 610001857

**Technical specifications for Biogas Plant**

<b>Sr.No.</b>	<b>Description</b>	<b>Technical Compliance (YES/ NO)</b>	<b>Additional Information (if any)</b>
1	100 m <sup>3</sup> capacity Biogas plant with Cow dung as feed stock		
2	Installation at the site (Village in Jharkhand) and laying down pipeline and connections to 52 households in the vicinity of 1 km		
3	Minimum of 12 kW Biogas Engine (Spark Ignition engine) with 3-phase output, Self Start, grid connected, PF – 0.8		
4	Gas cleaning system for given Biogas plant capacity - H <sub>2</sub> S scrubber and moisture removal		
5	Pressure Boosters/Regulating System including Air Blower, Moisture Trappers & Pressure Regulating Valves and its Piping & Fittings		
6	Piping & Fittings: Size 1” for Each Household Connections (Upto 1 KM), Piping & Fittings: Size 0.5” for each Household Connections		
7	Biogas Burners with Valves and its Accessories		
8	Biogas Flow meter		
9	Warranty 1 year		