

CERTIFICATE

This is to certify that the building facility for **AISSMS POLYTECHNIC at F.P No. 94A+94/2 TPS Sangamwadi, Pune** is having a sewage disposal system and Vehicle parking facility. An all weather approach road is available with the college for access.

This certificate has been issued as specifically requested by the principal of the said college.



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Place: Pune.

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Technical Specifications for Floating Dome Type Biogas Plants

1. General Specification: Family size HDPE make Pre-fabricated biogas plant with Central guide pipe, spring mechanism, Inlet pipe, inlet connections, outlet pipe, outlet connections, Gas pipe and Biogas Double Burner.
2. Gas generations Capacity: 4.0 Cu. Mtr. / Day
3. Type of Feed: It shall be operated with Cow Dung/ Kitchen waste/ Veg. waste to generate biogas.
4. Daily requirement of Feed: 80-100 Kg/ Day. for Cow Dung, 40-60 Kg./ Day for Kitchen waste.
5. Overall Dimensions: Dia. 1700 mm X 3500 mm Height
6. Biogas Digester: It shall be made Of 4.00 mm average thickness with provisions for Inlet and Outlet connections. It shall also have provision to fix Central guide and Gas holder support structure.
7. Biogas Holder: It shall be made of 3.00 mm average thickness with provisions for Outlet Connections. It shall also have provisions to accommodate extra weight in case of variation in endues point distance. It must have arrangements to connect ½" Gas outlet connection.
8. Central guide pipe: It shall have central guide pipe made of Stainless steel with minimum thickness of 1.00 mm. Central guide pipe shall be made in such a way that holds spider and also such that allow spring to move vertically up/ down smoothly.
9. Spring Spider Mechanism: It shall be provided with black corrosion resistant paint and with proper spring index which exerts sufficient

pressure to displace biogas at 100 mm water column. Spider made of SMC material with the provision to connect with central guide pipe. It shall fit on to the Biogas holder in such a way that make Biogas holder's up/down movement freely.

10. Inlet Pipe:

Inlet pipe shall be of minimum 4" PVC/HDPE.

11. Inlet Connections:

Inlet connections shall be of 4" PVC/HDPE with adequate gaskets and check nut.

12. Outlet Connection:

Outlet connection shall be moulded and shall be a part of Biogas Digester. It shall be compatible with 4" Flexible PVC pipe.

13. Gas Outlet Valve:

Gas outlet valve shall be of minimum ½" with inside threaded connections.

14. Gas outlet connection:

It shall be of ½" PVC connection with adequate gasket and check nut.

15. Gas Outlet Pipe:

Gas outlet pipe shall be HDPE

16. Biogas Burner:

It shall be ISI marked double

