



MNR DENTAL COLLEGE AND HOSPITAL

"NAAC ACCREDITED"

(Recognized by MH &FW, Govt.of India & Affiliated to KNR University of Health Sciences)

MNR Nagar, Fasalwadi, Sangareddy- 502 294, Telangana State, India

Ph: (08455) 230675, 233333, Mobile: 8500056668, Fax: (08455)230533/230555/230699

E-mail: mnrhc@mnrindia.org; Website: www.mnrindia.org

DETAILS OF BIO-GAS PLANT

S.No	Particulars
1	Utility of Bio-Gas Plant in The Campus
2	Geotagged Photograph of Bio – Gas Plant

Utility of Bio-Gas Plant in The Campus

Bio gas, the naturally formed bio fuel is generated from Organic matter through Anaerobic Digestion. The organic waste materials used in a biogas plant can come from a variety of sources, including agricultural waste, food waste, and sewage. By diverting these materials from landfills and incinerators, biogas plants help to reduce greenhouse gas emissions and provide a sustainable source of energy.

The benefits of biogas plants include:

Reduced greenhouse gas emissions

Reduction in waste sent to landfills and incinerators

Production of renewable energy

Creation of nutrient-rich fertilizer as a byproduct. In a way to contribute towards the nation's energy saving plans, the Institution has constructed its own Bio-Gas plant in the campus. The fuel is generated using the Night soil collected from the Hostel and the vegetable waste from the canteen and energy equivalent to 21 Kgs of LPG is saved every month which adds up to 252 LPG gas per year. The gas generated is used for cooking purposes in Boys Hostel and it also helps to recycle the waste to control methane pollution

S.No	Utility	Numbers	Conservation details
1	Biogas plant	1	21 Kgs of LPG is saved per month



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GEOTAGGED PHOTOGRAPH OF BIO GAS PLANT



Byre/Gaushala for cows



Collecting area of cow dung



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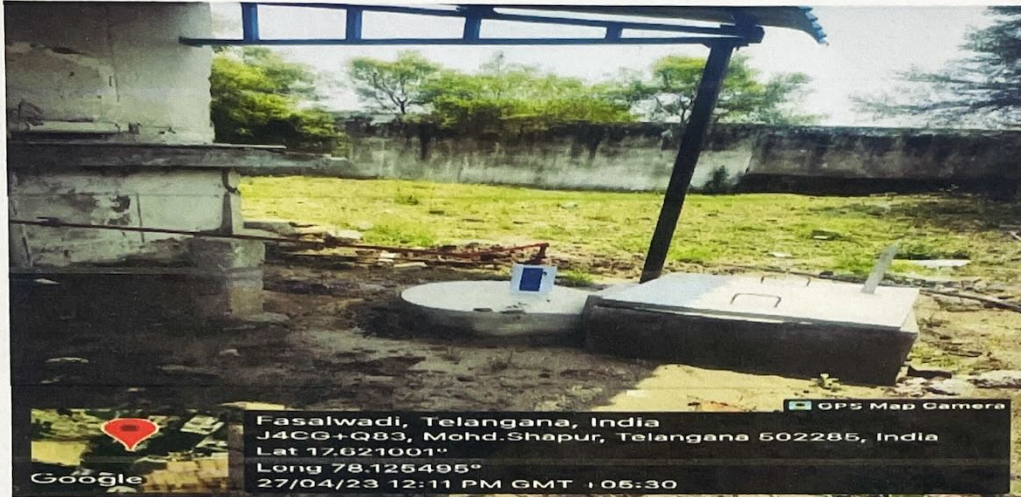
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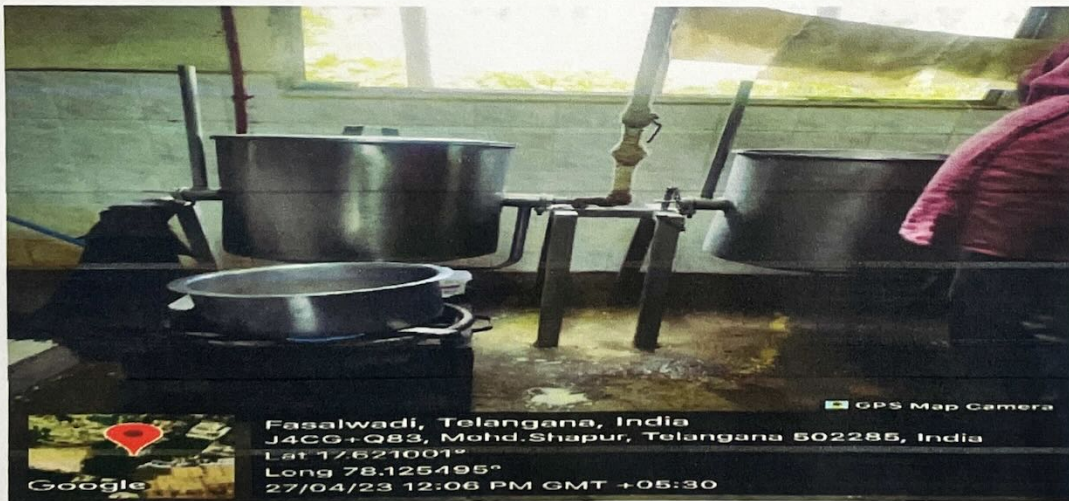
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Bio gas plant



Utility of biogas in boys hostel for cooking


IQAC CO ORDINATOR
Coordinator
I.Q.A.C.
MNR Dental College & Hospital


Principal

PRINCIPAL
MNR Dental College & Hospital
MNR Nagar, Narsapur Road,
SANGAREDDY Dist-502294 T.S.