

BIOGAS PROGRAMMES IN HARYANA

Biogas is a clean, un-polluting, smoke and soot free fuel. It contains 55 to 70 per cent methane which is inflammable. Biogas is produced from cattle dung, human excreta and organic matter in a "Biogas Plant" commonly known as "gobar gas plant" through a process called "digestion". The manorial value of the dung is also enhanced by this process. It helps in simultaneously obtaining both cooking fuel and enriched manure from cattle dung. Besides, women and children are saved from hardship and drudgery of collecting and head solid loading of heavy bundles of firewood, explore to smoke in the kitchen and time consuming cooking. It has also improved village / urbansanitation.

Haryana, with cattle population of about 7.6 million, has the potential a potential of generation of about 3.8 million cubic meters of biogas which can be used to generate about 300 MW power or can be purified, compressed and bottled for production of about 1.2 million Kg of compressed biogas.

One tone cattle dung by about 100 adult animals produces about 50 cu.m. biogas per day(@ 20 Kg per cum.). This gas can be utilized for thermal as well as power generation besides producing rich manure as a bye product. The gas generated can also be purified and compressed further to produce bio-CNG, which can find application for commercial purposes.

HAREDA SCHEMES:

1. INSTITUTIONAL BIOGASPROGRAMME

HAREDA is implementing this scheme to promote installation of biogas plants in gaushalas, dairies etc. to meet their energy requirement. The gas is used for cooking as well as for power generation. To promote the installation of IBP's, State Govt. is providing financial assistance @ 40% of the plant cost to the Charitable institutes only. So far, 127 Institutional Biogas Plants of 7820 Cu. M. capacity have been installed in various Gaushalas/ Institutions in the State for the year 2020-21, State Financial Assistance shall be available for poultry farms and commercial/individual's dairies also. The detail about tentative cost of biogas plant and State subsidy is asunder:

| S. No. | Capacity | No. of animals required | Cost ofthe plant (Rs.) | Max. State Subsidy (40% of the project cost) (Rs) |
|--------|----------|-------------------------|------------------------|--|
| 1 | 25 Cum | 70-80 | 3,18,000 | 1,27,200 |
| 2 | 35 Cum | 100-110 | 5,05,000 | 2,02,000 |
| 3 | 45 Cum | 125-140 | 5,97,000 | 2,38,800 |
| 4 | 60 Cum | 175-185 | 7,56,000 | 3,02,400 |
| 5 | 85 Cum | 250-270 | 9,89,000 | 3,95,600 |

Procedure:

- (i) Applications about availing State subsidy are to be submitted to the office of the Additional Deputy Commissioner, District Rural Development Agency of the respective district in the prescribed format. The plant is to be installed after the subsidy is sanctioned by HAREDA.
- (ii) These plants shall be got installed by users as per KVIC drawings.
- (iii) State subsidy shall be released after installation & commissioning of the plant as per KVIC drawings & submission of Commissioning Certificate in the prescribed format duly signed by the beneficiary institution, contractor & district P.O./A.P.O. supported with photographs and audited Statement of Expenditure.
- (iv) Applications shall be considered on First Come First Serve basis. However, preference shall be given to the charitable institutions/Goshala's.

SECURITY DEPOSIT:

In order to ensure that only genuine beneficiaries who are willing to implement the project within given time schedule apply for the financial assistance, it has now been decided that the security amount shall be required to be deposited along with the application, as per detail given below:

| Sr. No. | Capacity of plant | Security amount |
|---------|----------------------|-----------------|
| 1. | 25 cu.m to 45 cu.m. | Rs.30,000/- |
| 2. | 60 cu.m. to 85 cu.m. | Rs.50,000/- |

The applicants whose projects are sanctioned will have to implement the project within six months' time from the date of issue of sanction and the security amount shall be refunded on completion of digester, upon certification of concerned ADC office otherwise it will be forfeited."