



4 MW BIOMASS BASED COGENERATION PLANT BY GODREJ AGROVET LTD.



Document Prepared By (Infinite Solutions)

Project Title	4 MW Biomass based cogeneration plant by Godrej Agrovet Ltd.
Project ID	1744
Project Start Date	04-Nov-2018
SD Contributions Reporting Period	01-Oct-2018 to 30-Jun-2020 (Inclusive of both the dates)
Date of Issue	18-Nov-2020
Prepared By	Infinite Solutions
Contact	Infinite Solutions, 611, Chetak Centre Main, RNT Marg, Indore - 452001, India Landline No.: 0731-4050174 Website: www.infisolutions.org

1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

Godrej Agrovet Limited (GAVL) has implemented a greenfield renewable biomass-based co-generation project activity in his new palm oil production plant located at Seethanagaram village, District – West Godavari, Andhra Pradesh, India.

The project activity involves the utilization of in-house generated renewable biomass – Palm fibre, shell and empty fruit bunches (EFB) in the palm fruit processing facility as a fuel in the boiler for generating steam which will further be used for generating the electricity. The project activity involve installation of 50 TPH Boiler & 4 MW Turbine Generator.

Thus, project activity generates clean electricity & helps in avoiding the fossil fuel (Coal) usage to meet its captive requirement of heat & electricity and thereby reducing the equivalent GHG emissions from the atmosphere.

Project activity not only contributing to the global issue of GHG reduction but the project led to various CSR projects as well focussing on the needs of the stakeholders as part of its Corporate Social Responsibility (CSR) outreach programs. Based on the discussions of various stakeholders' various campaigns and programs have been carried out in the local area as follows;

- **Education**
- **Community Health Benefits**
- **Environment Protection**

2 PROJECT CONTRIBUTIONS

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	3.8	3.8.1 Coverage of essential health services	Implemented activities to increase	Medical Camp for free Eye check-up has been organized for villagers in Seethanagaram village, District – West Godavari, Andhra Pradesh, India, for local community to provide basic treatment and general check-up.	More than 100 villagers got benefitted of Medical Camp from Seethanagaram village. Please refer appendix 1 for supporting documents.

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
2)	4.a	4.a.1 Proportion of schools with access to: (a) electricity; (b) the Internet for pedagogical purposes; (c) computers for pedagogical purposes; (d) adapted infrastructure and materials for students with disabilities; (e) basic drinking water; (f) single-sex basic sanitation facilities; and (g) basic handwashing facilities (as per the WASH indicator definitions)	Implemented activities to increase	<p>The PP has supported schools in the project area to improve the following infrastructure facilities in the school:</p> <ol style="list-style-type: none"> 1. Installation of RO unit for providing safe drinking water to Middle & primary school students. (Seethanagram – 52 MPP students, Mediseetivari Palem – 30 students, ch Pothevall - 110 students, seethanagram ZP High school – 175 students.) 2. Repair and Maintenance work of school toilets to provide good hygiene to the MPP students. (Seethanagram– 100 Students ZPH School & 52 students MPP School, Mediseetivari Palem – 30 students, Ch. Pothevall - MPP School Toilets -200 Students) 3. Construction of toilets in ZPH School. 4. School Assembly Stage Infrastructure development for school children. (Ch. Pothevall - M Nagulapalli 130 students.) 5. Providing free bus passes to Girls students for commuting to the school. (West Godavari - APSRTC - Eluru Depot – 1000 Girls student) 6. Donation of furniture's to Anganwadi school. (Mediseetivari Palem – 20 Students) 	<p>Total 1879 students of village have got benefitted. Please refer appendix 1 for supporting documents.</p> <ol style="list-style-type: none"> a. Clean drinking water accessibility – 367 Students b. Good Hygiene – 382 Students getting benefitted. c. School infrastructure stage development – 130 students not benefitted. d. Supporting Bus pass facility – 1000 girls e. Furniture donated to Anganwadi school – 20 little kids are appreciating the support.

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
3)	7.2	7.2.1: Renewable energy share in the total final energy consumption	Implemented activities to increase	About 15,569 MWh and 599.22 TJ energy from steam generated from renewable energy has been used to cater the captive requirement and helps in reducing the load on the fossil fuel dominated Indian grid during the reported period that helps to increase the renewable energy share in the energy mix.	A Total of 15,569 MWh renewable electricity has been supplied to the Indian grid by the project activity during the reported period.
4)	8.5	8.5.2 Unemployment rate, by sex, age and persons with disabilities	Implemented activities to decrease	All Operational and Maintenance jobs are awarded to local population. The number of people employed are as follows; Total: 95 people employed.	The project has employed 95 people during the current monitoring period.
5)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	The project has avoided emission of 72,971 tCO ₂ in the atmosphere.	The project has avoided emission of 72,971 tCO ₂ in the atmosphere.

APPENDIX 1: SUPPORTING EVIDENCE

Community Health Benefits

Facilitating community health initiatives for the local populace in Seethanagaram village, District – West Godavari, Andhra Pradesh, health Camps. Around 100 villagers, including adults and children have been given free of cost eye check-up.

Education

a. School Infrastructure

Construction of New Toilets and Repair and Maintenance of toilets in schools at various Village (Seethanagaram, Mediseetivari etc) to prevent students to use open space, ultimately benefiting the environment under the “Swachh Bharat Abhiyan” led by the Govt. of India.

b. Access to safe drinking

Installation of RO units - Facilitating students to access safe drinking water under companies’ initiatives for the school of the nearby village in District – West Godavari, Andhra Pradesh. Around 367 students have been accessing to safe drinking due to this initiative.

c. School Assembly Infrastructure development

Construction of Assembly Stage for the students to provide them the infrastructure for school extra curriculum activities to bring more interest & enthusiasm in the students.

d. Facilitating bus passes

Company is providing free bus passes facilities to girl’s student for commuting to school. Around 1000 girls got benefitted due to the initiative in the project area.

e. Donation of furniture’s to Anganwadi

Company has donated the Sitting facilities, plates, glasses - lunch set for around 20 kids in an Anganwadi at village Mediseetivari Palem in the project area.

1. Seethanagaram



Activity - MPP School Toilets Repairs

**Outreach (no of childrens/adults) - 52
Childrens**

Activity - RO Unit set-up at MPP School

Outreach (no of childrens/adults) - 52 Childrens



Activity - ZPH School Boys Toilets Construction

Outreach (no of childrens/adults) - 100 children

2. Mediseetivari Paled



Activity - MPP School Toilets Repairs

Outreach (no of childrens/adults) – 30 students

Activity - RO Unit Set-up at MPP School- Cost to Chintampalli Invoice.

Outreach (no of childrens/adults) – 30 students



Activity - Anganwadi Furniture - Sitting facilities, plates, glasses - lunch set for around 20 kids

Outreach (no of childrens/adults) – 20 kids



3. West Godavari

Activity - APSRTC - Eluru Depot - Supporting Bus pass facility for 1000 Girl Students.

Outreach (no of childrens/adults) – 1000 students



4. Seethanagaram

Activity - Purchase of spares for mini RO system for seethanagaram ZP High school

Outreach (no of childrens/adults) – 175 students

