

Pattern of Release of funds:

- 1st installment of 20% of CFA along with sanction letter
- 2nd installment of 50% of CFA on supply of equipment at site
- 3rd installment of 30% of CFA on erection & commissioning and after three months / 1000 hours of trouble free operation of the whole system and submission of audited statement of expenditure and utilization certificate.

Beneficiaries: Mainly individual households & village community.

Other Beneficiaries: Cottage industries, small scale industries, public utility etc.

Benefits: Off-grid power for meeting unmet demand of electricity in electrified villages; and Grid interactive MW level power project with 100% producer gas engine with locally available woody and non-woody biomass resources.

Other Benefits: To meet electricity needs for water pumping and other electrical applications on decentralized basis from various types of woody and non-woody biomass available in villages.

Details:**a. Eligibility criteria:**

The programme is implemented through State Nodal Agencies (SNAs) with the involvement of Energy Service Companies (ESCOs), Co-operative, Panchayats, NGOs, manufactures or entrepreneurs etc.

b. How to avail:

The projects to be taken up by any village level organization, Panchayats, institution, private entrepreneurs, industries, etc. in rural areas other than the industries and commercial establishments covered under urban, industrial and commercial applications (UICA) programmes. The proposals have to be submitted in the prescribed format to the concerned State Nodal agencies who in turn would forward to the Ministry with their recommendations for seeking Central Financial Assistance (CFA) under the scheme (**Annexure-I or Annexure-II**). The Joint Commissioning Report to be submitted as per **Annexure-III**. The Terms & Conditions of the grant provided are given at **Annexure-IV**.

Budget Estimate 2007-08:

Rs.2.25 crore for other states

Rs.1.00 crore for North East

Physical Target 2007-08:

3 MW equivalents biomass gasifier systems for electrical applications.

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Dr. D.K. Khare, Director (Telefax: 011-2436 3402, E-mail: dkkhare@hub.nic.in)

F. No. 202/1/2007-BM
Government of India
Ministry of New and Renewable Energy
(Biomass Division)

Block No. 14, CG.O. Complex,
Lodi Road, New Delhi-H0003
Dated: 24th April, 2007

To

Head, State Nodal Department /
State Nodal Agencies (SNA's) /
Other concerned Implementing Agencies

Subject: Sanction of continuation of the “Biomass Gasifier scheme” during 2007-08.

Sir,

Sanction of the President is hereby conveyed for continuation of the “**Biomass Gasifier scheme**” of the Ministry of New and Renewable Energy during 2007-08.

2. The above programme / scheme will be implemented during 2007-08 as per the same funding norms / guidelines and other provisions applicable during 2006-07 as announced vide sanction order(s) no.3/4/2003-CPG, dated 21.07.2003 and continuation order issued by the P&C Division of the Ministry vide order No. 1/1/2005-P&C, dated 26.05.2006 and until such time the same is superseded by fresh / new programmes / schemes which are required to be formulated in alignment with the 11th Plan proposals.

3. Release of subsidy / Central Financial Assistance (CFA) sanctioned during 2007-08 on the basis of provisions of programmes / schemes of 2006-07 will continue to be governed by the said provisions even after the same are superseded by fresh / new programmes / schemes. Some of these schemes are likely to be replaced by new programmes / schemes during the course of the year to be implemented during the 11th Plan period. As and when such new schemes are approved and conveyed, the old schemes would be replaced and the new norms would apply. Till such time, the existing schemes would continue to be implemented.

4. All SNAs are requested to take up schemes for implementation as per the guidelines of 2006-07 till further communication.

Contd../-

5. This issue with the approval of the Minister (NRE) as per the Planning & Coordination Division of MNRE O.M. No.1/22/2006-P&C, dated 23.4.2007.

(Dr. D.K.Khare)
Director

Copy to:-

1. All State/UT Implementing Departments/ Agencies
2. Special Secretary & FA
3. Principal Adviser &.Special Secretary
4. Joint Secretary
5. All Advisers
6. MD, IREDA
7. All Directors
8. Director (Finance), MNRE
9. Dy. CA, MNRE
10. PAO, MNRE
11. All MNRE Regional Offices
12. Sr. PPS to Secretary
13. PS to Minister
14. Cash Section
15. IFD, MNES
16. Sanction Folder

(Dr. D.K.Khare)
Director

FORMAT "A"

FORMAT FOR BASIC INFORMATION FOR PROJECTS UPTO 100 kW ON BIOMASS GASIFIER SYSTEMS FOR THERMAL AND ELECTRICAL APPLICATIONS, 100% PRODUCER GAS DEMONSTRATION PROJECTS AND CONVERSION OF EXISTING POWER PLANTS.

Name and address of State Govt. Nodal Deptt./Nodal Agency/Approved NGOs :

Sl. No.	User's address Mode of application	Name of Manufacturer / Supplier	Rating of system Thermal/ Mech./ Electrical	No. of systems proposed	Unit Cost Estimate/ actual price as intimated by the user/ manufacturer	Amount of Central Financial Assistance (CFA) as per approved scheme of Biomass Gasifier 2003-2004.

Certified that:

1. Certified that adequate quantity of surplus biomass is available at the site and user/applicant is genuinely interested for installation and operation of gasifier on regular basis.
2. User organizations have agreed to provide balance funds over and above CFA for installation of proposed gasifier system.
3. User organizations have agreed to operate and maintain the system at their own on a regular basis.

Name & Signature of the Promoter/User

(Countersigned by SNA or / and Manufacturer)

Date:

Place:

**APPLICATION FORMAT FOR INTEREST SUBSIDY
(Biomass Gasifier Projects above 100 kW and Grid connected power projects)**

PART - A

[TO BE FILLED IN BY PROMOTER & FORWARDED THROUGH SNAs]

1. GENERAL

- (i) Name, Address, Phone, Fax & Email of the Promoter. :
- (ii) Name and designation of authorised signatory :
- (iii) Constitution (whether Co-operative/ Private Sector/Public Ltd/ joint sector/Public Sector Company etc.) :
- (iv) Location of the Project (Village, District, State) :

2. PROJECT DETAILS**3. POWER GENERATION**

- (i) Installed capacity (MW) :
- (ii) Generation capacity (MW) :

4. TECHNOLOGY USED :

(Please specify whether combustion, Gasification etc.)

5. BIOMASS

- (i) Biomass Used :
- (ii) Quantity used per day :

6. SUPPORT FUEL

Type of other fuels, if proposed to be used as :

Support / supplementary fuel

7. AVERAGE COST OF GENERATION (Rs/Kwh) :**8. FINANCING**

- Total cost of project as approved by FIs :
- Means of financing
 - (i) Debt : Equity Ratio :
 - (ii) Promoter's contribution (Equity) :
 - (iii) Term loans with rate of Interest (FI wise):
 - (iv) Any other source :
- Loan repayment period (FI Wise) :

AUTHORIZED SIGNATORY

Enclosure check list / whether enclosed (Please tick)

- | | | |
|----|---|-----|
| 1. | One copy of DPR as accepted by FI(s) | () |
| 2. | Copy of PPA / No objection certificate under section 44 | () |
| 3. | Copy of Statutory clearances / State Government approvals | () |
| 4. | Authorised / attested copies of loan Agreement (s) | () |
| 5. | Sanction Order of FI(s) | () |
| 6. | Appraisal Note of FI(s) | () |
| 7. | Eligibility check list | () |
| 8. | Disbursement Schedule (FI-wise) | () |
| 8. | Any other (please specify) | () |

AUTHORISED SIGNATORY

FORMAT "A"

FORMAT FOR JOINT COMMISSIONING REPORT (JCR) OF BIOMASS GASIFIER SYSTEMS

Name and address of State Govt. Deptt./Nodal Agency

Reference MNES Sanction Letter No. & Date	Users address (Type of beneficiary i.e. SC/ST)	Name of Manufacturer/ Supplier	Rating of systems KW _e /Kcal/hr thermal	Mode of application	Machine No.	Date of Commissioning	Amount of CFA
1	2	3	4	5	6	7	8

Certified that:

1. Training on operation and maintenance and safety aspects has been given adequately to users/operators of the Institutes/Organisations concerned.
2. Operating manual, warranty card etc. have been provided to the Institute/ Organisation concerned.
3. Undertaking for the regular operation & maintenance of the systems have been obtained from the concerned Institute/Organisation.
4. Gasifier system and sub-system (including equipments and instruments) have been verified at site and functioning satisfactorily,

Mfr.

User

Name & Signature

Authorised officer of

SNA / R.O.(MNES)

Date:

Place:

GENERAL TERMS AND CONDITIONS FOR GRANTS BY GOVERNMENT FOR BIOMASS ENERGY & CO-GENERATION PROGRAMME

- (i) Approval of the proposal and the grant being released is for specific project and the grant is required to be spent for the project within the stipulated time. Any portion of the amount sanctioned which is not utilised would be required to be surrendered to the Government of India and carry forward of funds to the next financial year for utilisation for the project during that year may be considered with the specific approval of this Ministry.
- (ii) The achievements made during the course of the project will be photographically covered from time to time and a copy of each such photograph will be sent to this Ministry for information and record.
- (iii) The organisation will arrange to display a Notice Board at prominent place at the project site to the effect that the project has been financially supported by Ministry of Non-Conventional Energy Sources.
- (iv) The organisation shall ensure that the time schedule laid down for the execution of the project is strictly followed.
- (v) The organisation would render to this Ministry an audited statement of accounts including comments of the Auditor(s) regarding the observance of the condition governing the grant within six months following the end of each financial year.
- (vi) The Comptroller and Auditor General or any other Agency/officer(s) authorised by this Ministry will have the right of access to the books and accounts of the organisation for grant received from the Government.
- (vii) The recipient financial institution shall provide utilisation certificates in the prescribed format as per the **GFR form 19A (Annexure-V)**. Audited Statement of Expenditure to be submitted by the grantee organization at the time of seeking next installment as per the Terms & Condition of the sanction.
- (viii) Equipments acquired with Govt. of India assistance should not be disposed of or encumbered or utilised for purpose other than for which grant has been sanctioned without prior approval of the Ministry. Separate Stock Register has to be maintained by the Organisation for these items procured through Government funds and whose value is more than Rs 10,000/-.
- (ix) The organisation shall furnish a final commissioning report within three months of project commissioning incorporating salient technical features of the project and summary of its performance.
- (x) MNES reserves the right to add/alter/change these conditions at its sole discretion in the wider interest of the scheme.

FORM GFR 19 A

(See Government of India's Decision (1) below Rule 150)

Form of Utilisation Certificate

S.No. Letter No. & Date Amount

Total

Certified that out of Rs..... of grants-in-aid sanctioned during the year under this Ministry/Department Letter No. given in the margin and Rs..... on account of unspent balance of the previous year, a sum of Rs..... has been utilised for the purpose of for which it was sanctioned and that the balance of Rs..... remaining unutilised at the end of the year has been surrendered to Government (vide No..... dated) / will be adjusted during towards the grants-in-aid payable during the next year.

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised :

- 1)
- 2)
- 3)
- 4)
- 5)

Signature
Designation
Date

SPACE BELOW FOR USE IN THE MNES

Countersigned by the Division concerned.

SSO / PSO / DIRECTOR

HEAD OF THE DIVISION

INDICATIVE LIST OF BIOMASS GASIFIER MANUFACTURERS

1.	<p>Dr. B.C. Jain, Managing Director, M/s. Ankur Scientific Energy Technologies Pvt. Ltd., Near Old Sama Jakat Naka, Vadodara-390 008 Tel.: 793098, 794021 / Fax : (0265) 794042 E-mail: ascent@wilnetonline.net</p>
2.	<p>Mr. G.M. Satyanarayna, Managing Parterner, M/s. Associated Engineering Works, P.B.No.17, Gamini Compound, Chivatam Raod, Tanuku-534211. Tel.: 08819-22950 / Fax : 08819-24801.</p>
3.	<p>Mr. B.V. Ravi Kumar Director M/s. Cosmo Powertech Pvt. Ltd. Devpuri, Near Jain Public School, Dhamtari Road, Raipur-492015. Tel : 0771-5011262 Fax : 0771- 5010190 E-mail: cosmo_powertech@yahoo.co.in</p>
4.	<p>Mr. J. Mukherjee, Director, M/s. Grain Processing Industries (I) Pvt. Ltd. 29, Strand Road, Calcutta-700001. Tel.: (033) 2431639/2101252 Fax : 91-33-2204508/2103368</p>
5.	<p>Dept of Aerospace Engineering Indian Institute of Science Bangalore-560 012 Tel: 080-23348538, 23092338 Fax: 080-23348536/1683</p>
6.	<p>Mr. K. Ramachandra, M/s. Netpro Renewable Energy (India) Ltd. 139/B, 10th Main, Rajamahal Vilas Extension, Bangalore-560080. Tel.: (080) 3613585, 3613457 / Fax (080) 3611584 Res.: 3232640 E-mail: netpro1@vsnl.com</p>
7.	<p>Mr. Sudhir Chandra, Chartered Engineer, M/s. Chanderpur Works, Yamuna Nagar – 135 001, Haryana Tel.: 01732-250546, 250964, 251866 Fax : 01732-279852 E-mail : sudhiryn@sancharnet.in New Delhi (Tel.): 26317811</p>

8.	<p>Mr. Naval Kishore Agarwal M/S NSY Energy Engineering & Consultancy Services (P) Ltd. D-26, Sector13, GIDA, Sahajanwa, Gorakhpur (UP) 273209 Ph. 0551-2580021 Delhi address: 149-A, Baba House, Kilokari, opp. Maharani Bagh, New Delhi -110014 Ph. 011-55191937 / 26903696 (M)9212084933 / 9312247970 E-mail nsyeecs@vsnl.com</p>
9.	<p>Shri H.R. Jaiswal Managing Director Rishipooja Energy & Engineering Company M.G. College Road Gorakhpur – 273 001 (U.P.) Ph: 0551-340 612, 339475</p>
10.	<p>Shri K.J. Haris Managing Director Southern Carbons (P) Ltd. Palackal Buildings Premier Junction Kalamassery – 683 104 Cochin, Kerala Ph: 0484-540158 (O) 532685 (F) 532684® Fax: 0484-532179 e-mail : southerncarbons@indianbest.com</p>
11.	<p>Dr.S.V. Makadia President Radhe Renewable Energy Development Associate D-110 Rajdoot Industrial Estate 4, Umakant Pandit Udyognagar Near Mavdi Plot, Rajkot – 360 004 (Gujarat) Ph: 91-981 372567 (O) 571932 ® Fax: 91-281 372557 Email: radheengineering@radhegroup.com</p>