

F. No. 53/9/2011-WE  
Government of India  
Ministry of New and Renewable Energy  
(Wind Power Division)

Block No. 14, CG.O. Complex,  
Lodi Road, New Delhi-110 003  
Dated: 28.11.2013

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

**Subject: Sanction for continuation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies "during the 12<sup>th</sup> Five Year Plan – (Wind Power Projects).**

Sir,

I am directed to convey the sanction of the President for continuation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies for Wind Power projects of the Ministry of New and Renewable Energy during the 12<sup>th</sup> Five Year Plan (2012-17).

2. The above scheme will be implemented during 2012-17 as per the same funding norms/guidelines and other provisions which were applicable during 2011-12 and issued vide sanction letter No.14/8/2004-SHP dated 26.12.2006 and continued vide order No. 53/9/2011-WE dated 16.12.2011. The Ministry will continue to provide financial support for carrying out Wind Resource Assessment, organization of seminars / symposiums/workshops/training programme, strengthening of technical institutions, testing facilities, engaging consultants, undertaking studies etc. on case-by-case basis.

3. Release of subsidy/Central Financial Assistance (CFA) during 2012-17 will continue to be governed by the provisions of the above programme / scheme of 2011-12.

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

5. The expenditure on the scheme will be met from the provisions under Demand No.69 in the following budget heads of the programme:

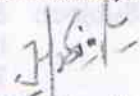
2810-New and Renewable Energy (Major Head)  
00.101-Grid Interactive and Distributed Renewable Power (Minor Head)  
01-Grid Interactive Renewable Power (Sub Head)  
01-Wind Power  
01.01.33-Subsidy

2810-New and Renewable Energy (Major Head)  
00.101-Grid Interactive and Distributed Renewable Power (Minor Head)  
01-Grid Interactive Renewable Power (Sub Head)  
01-Wind Power  
01.01.20- Other Administrative Expenses

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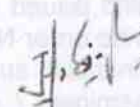
6. This sanction issues under the power delegated to Ministry of New & Renewable Energy with the approval of the competent authority and concurrence of IFD vide their Diary No. 525/JS&FA/13 dated 19.08.2013.

Yours faithfully,

  
(J.P. Singh)  
Director

**Copy to:-**

1. All States/UTs Implementing Departments/ Agencies
2. PS to Minister (NRE)
3. PSO to Secretary
4. PS to JS & FA
5. PS to JS (AS)
6. DIR(DN)/DIR(JPS)/SSO(HB)/SSO(SS)
7. MD, IREDA
8. Dy. CA, MNRE/PAO, MNRE /Cash Section/IFD

  
(J.P. Singh)  
Director

F. No. 53/5/2010-WE  
Government of India  
Ministry of New and Renewable Energy  
(Wind Power Division)

Block No. 14, CG.O. Complex,  
Lodi Road, New Delhi-110 003

Dated: 11.05.2010

To

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

**Subject: Sanction for continuation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies "during the year 2010-11 – (Wind Power Projects).**

Sir,

I am directed to convey the sanction of the President for continuation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies for Wind Power projects of the Ministry of New and Renewable Energy during the year 2010-11.

2. The above scheme will be implemented during 2010-11 as per the same funding norms/guidelines and other provisions which were applicable during 2009-10 and issued vide sanction letter No.14/8/2004-SHP dated 26.12.2006 and continued vide order No. 71/96/2009-WE dated 16.02.2010. The Ministry will continue to provide financial support **for carrying out Wind Resource Assessment**, organization of seminars / symposiums/workshops/training programme, strengthening of technical institutions, testing facilities, engaging consultants, undertaking studies etc. on case-by-case basis.

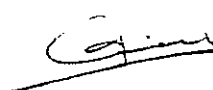
3. Release of subsidy/Central Financial Assistance (CFA) sanctioned during 2010-11 on the basis of provisions of the above programmes / schemes of 2009-10 will continue to be governed by the said provisions.

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

5. The expenditure on the scheme will be met from the provisions under Demand No.67 in the following budget heads of the programme:

2810-New and Renewable Energy (Major Head)  
00.101-Grid Interactive and Distributed Renewable Power (Minor Head)  
01-Grid Interactive Renewable Power (Sub Head)  
01-Wind Power  
01.01.31-Grants-in-aid

2810-New and Renewable Energy (Major Head)  
00.101-Grid Interactive and Distributed Renewable Power (Minor Head)  
01-Grid Interactive Renewable Power (Sub Head)  
01-Wind Power  
01.01.33-Subsidy




Contd. 2..

2810-New and Renewable Energy (Major Head)  
00.101-Grid Interactive and Distributed Renewable Power (Minor Head)  
01-Grid Interactive Renewable Power (Sub Head)  
01-Wind Power  
01.01.20-other Administrative Expenses

2810-New and Renewable Energy (Major Head)  
00-Sub-Major Head  
.104-Research, Design and Development in Renewable Energy (Minor Head)  
02-Research Institutions/Centers (including MNRE institutions: SEC, C-WET,  
NIRE) (Sub Head)  
02-Centre for Wind Energy Technology  
02.02.31-Grants-in-aid

6. This sanction issues under the power delegated to Ministry of New & Renewable Energy with the approval of the competent authority and concurrence of IFD dated 03.05.2010, vide their Diary No. IFD-169/10-11 dated 29.04.2010.

Yours faithfully,

  
(G. Upadhyay)  
Director

**Copy to:-**

1. All States/UTs Implementing Departments/ Agencies
2. PS to MOS(NRE)
3. PSO to Secretary
4. PS to Additional Secretary & FA
5. PS to JS
6. DIR(DN)
7. MD, IREDA
8. Dy. CA, MNRE/PAO, MNRE /Cash Section/IFD

|  
(G. Upadhyay)  
Director

**No. 3/19/2006-CPG  
Government of India  
Ministry of New and Renewable Energy  
(Wind/Biomass Power Division)**

**Block No. 14, CG.O. Complex,  
Lodi Road, New Delhi-110003**

**Dated: 08.06.2009**

**To**

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

**Subject: Sanction of continuation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies "during the year 2009-10 – (Biomass power & Bagasse cogeneration and Wind Power).**

**Sir,**

Sanction of the President is hereby conveyed for implementation of the "Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Technologies Wind and Biomass power & Bagasse cogeneration of the Ministry of New and Renewable Energy during the year 2009-10 at a total outlay of Rs.45.50 crore (wind – Rs.7.0 cr., C-WET – Rs.8.50 cr. and biomass and bagasse -Rs.30.0 cr) The details of the programme component, implementation methodology, eligibility, financial assistance and release of funds are given in the **Appendix**.

2. The objectives of the Biomass power and Bagasse cogeneration and Wind Power programme of the Ministry are given below:

- (a) To promote setting up of biomass power projects with minimum steam pressure configuration of 62 bar and above for surplus power generation(grid interfaced on commercial basis).
- (b) To promote cogeneration projects for surplus power generation from bagasse in private/cooperative/public sector sugar mills with minimum steam pressure configuration of 40 bar and above. (Grid interfaced on commercial basis).

(c) To promote commercial wind power project in the country, including carrying Wind Resource Assessment through C-WET, Chennai, demonstration wind farm projects in those States where commercial activities have not yet been initiated and support R&D in the wind energy sector.

3. The above programmes / schemes will be implemented during 2009-10 as per the same funding norms/guidelines and other provisions which were applicable during 2007-08 and issued vide sanction order(s) No.14/8/2004-SHP dated 26.12.2006 and continued vide order No. 14/8/2004-SHP dated 26.04.2007 and No. 3/19/2006-CPG dated 19.08.2008:

4. Release of subsidy/Central Financial Assistance (CFA) sanctioned during 2009-10 on the basis of provisions of the above programmes / schemes of 2008-09 will continue to be governed by the said provisions even after the same are superseded by fresh / new programmes /schemes.

5. All SNAs are requested to take up projects for implementation on wind and biomass power & bagasse cogeneration as per the guidelines of 2006-07 till further communication.

6. The expenditure on the scheme will be met from the provisions under Demand No.67 Major Head 2810 in the following budget heads of the programme during 2009-10.

(i)	Bio Power:	Allocated amount (Rs. in crore)
	2810.00.101.01.03.33-Subsidy	- 29.90
	2810.00.101.01.03.20-Other Administrative Expenses	- 0.10
(ii)	Wind Power:	
	2810.00.101.01.01.31 -Grants-in-Aid	-1.90
	2810.00.101.01.01.33 -Subsidy	-5.00
	2810.00.101.01.01.20 -Other Administrative Expenses	-0.10
(iii)	Centre for Wind Energy Technology (C-WET):	
	2810.00.104.02.02.31 -Grants-in-Aid	-8.40
	2810.00.104.02.02.20 -Other Administrative Expenses	-0.05
	2810.00.104.02.02.50 -Other charges	-0.05

7. This sanction issues under the power delegated to Ministry of New & Renewable Energy with the approval of the competent authority and concurrence of IFD, vide their Diary No. IFD/357/09 dated 8.6.2009.

8. This entry has been made in the Expenditure Register at Sl.No.1 page No.11.

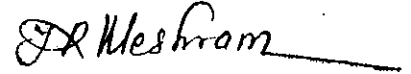
Yours faithfully,



**(DR. J.R. MESHARAM)**  
Director

**Copy to:-**

1. All State/UT Implementing Departments/ Agencies
2. PS to MOS(NRE)
3. Sr. PPS to Secretary
4. PS to Special Secretary & FA
5. PS to JS
6. Scientists 'G'
7. Scientists 'F'/Directors
8. MD, IREDA
9. Dy. CA, MNRE/PAO, MNRE /Cash Section/IFD



**(DR. J.R. MESHARAM)**  
Director

**F. No. 14/8/2004-SHP**  
**Government of India**  
**Ministry of New & Renewable Energy**

**Block-14, CGO Complex**  
**Lodi Road, New Delhi-110003.**

Date: 26.12.2006

To

1. Chief Secretaries of State Governments
2. Heads of State Nodal Departments/Agencies/Implementing Agencies for Renewable Energy
3. Chairpersons of Transcos/Gencos
4. Heads of leading Financial Institutions
5. MD, IREDA
6. Central Electricity Regulatory Commission
7. State Electricity Regulatory Commissions

**Subject: Scheme for Promotion of Grid Interactive Power Generation Projects based on Renewable Energy Sources for 2006-07**

- Reference:
- (1) SHP Administrative Approval Order No. 14 (5) 2003-SHP dated 29.7.2003.
  - (2) Biomass Administrative Approval Order No. 3/4/2003-CPG dated 21.7.2003.
  - (3) Order No. 1/1/2005-P&C dated 07-07-2006.

Sir,

I am directed to convey the approval of the Government of India for implementation of the scheme for promotion of Grid Interactive Power Generation projects based on renewable energy sources during 2006-07. Following renewable energy sources will be covered under this scheme: -

- Small Hydro
- Biomass
- Wind Power (Demonstration Projects)

2. The scheme provides for grant of subsidy to projects in the above mentioned three sources. The eligibility conditions and other details are given in Annexure-I

3. The scheme for identification of new potential SHP sites, preparation of a perspective plan by state agencies and development/upgradation of watermills continue as per the provisions contained in SHP Administrative Approval No. 14(5)2003-SHP dated 29.7.2003.



4. The Ministry will continue to provide financial support for R& D activities, organization of seminars/symposiums/workshops/training programme, strengthening of technical institutions, testing facilities, engaging consultants, undertaking studies etc. on case-by-case basis.

6. The expenditure on the scheme will be met from the provisions under Demand No.64 in the respective budget heads of the programmes.

7. This scheme modifies earlier schemes relating to grid interactive renewable power generation projects and will continue up to the end of upto the end of 10<sup>th</sup> Plan period i.e. 31 March 2007. The scheme is subject to changes/modifications as may be decided by the Government from time to time, and is subject to availability of funds.

8. This issues under the delegated powers of the Ministry of New and Renewable Energy with the approval of the competent authority and with the concurrence of IFD, MNES vide their Diary No. IFD/1072/06 dated 6.12.2006.

Yours faithfully,

(Dr. P. Saxena)  
Director

Enclosures: as above

Copy for information to:

1. PS to MOS(NRE)/OSD to MOS(NRE)
2. Sr. PPS to Secretary, MNRE
3. PS to Pr. Adv. & Spl. Secy.
4. PS to JS
5. Scientists 'G'/Scientists 'F'/Directors
6. MD, IREDA

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY

SCHEME FOR PROMOTION OF GRID INTERACTIVE POWER GENERATION  
PROJECTS BASED ON RENEWABLE ENERGY TECHNOLOGIES

The Ministry of New and Renewable Energy (MNRE) has been providing subsidy to grid-interactive power generation based on various renewable energy sources. Through this scheme, the Ministry would provide subsidy to projects in government/ private / joint / co-operative / NGO sector, to set up grid-interactive power generating projects based on the following renewable energy sources:

- **Small Hydro**
- **Biomass**
- **Wind Power (only demonstration projects)**

2. The subsidy for private sector, joint sector, cooperative sector etc. projects will be released after successful commissioning, and commencement of commercial generation and testing of the project, except in the case of cooperative/public and joint sector bagasse cogeneration projects. For Government projects only, subsidy would be released linked to physical progress.

3. The Ministry reserves the right towards grant of subsidy and to review/recall the sanctioned/released subsidy in the event of subsequent developments coming to its notice, which is in violation to this scheme or may adversely affect the project. The Financial Institution (FI) and the Developer shall be bound by the decision of the Ministry in this regard.

## I. DEFINITION

**Small Hydro Power (SHP) Project:** Hydro Power projects with a station capacity upto and including 25 MW.

**Biomass:** For the purpose of eligibility under this scheme, biomass will include wastes produced during agricultural and forestry operations (for example straws and stalks) or produced as a by-product of processing operations of agricultural produce (e.g., husks, shells, deoiled cakes, etc); wood produced in dedicated energy plantations or recovered from wild bushes/weeds; and the wood waste produced in some industrial operations.

**Cogeneration:** It is the process in which more than one form of energy (such as steam and electricity) is produced in a sequential manner by use of biowaste of a renewable nature, including bagasse and rice husk.

**Bagasse Cogeneration:** Cogeneration is combined heat and electricity (CHP) in the sugar mills using bagasse.

**Biomethanation:** Means a process which entails enzymatic decomposition of organic matter by microbial action to produce methane rich biogas.

**Biomass Power using Advanced Technologies:** This includes technologies such as Biomass Integrated Gasification and Combine Cycle (BIGCC); Integrated Pyrolysis Combine Cycle (IPCC); Fluidized Bed Gasification (FBG) and plasma.

**Biomass Combustion:** Biomass materials are burned to produce steam (Rankine Cycle)

**Surplus Electricity:** Quantum of installed electricity generation capacity which is over and above the captive requirement of the mill, colony etc.

**Special category States and Islands:** Seven States of NE Region, Sikkim, Himachal Pradesh, J&K, Uttaranchal and Island Uts.

## II. ELIGIBILITY

### A. Capacity and other Parameters

Projects with the following capacity/parameters will only be eligible under the scheme;

<b>Small Hydro</b>	:	<ul style="list-style-type: none"><li>• Upto 25 MW</li></ul>
<b>Biomass Based Project</b>	:	
<b>Biomass Power (combustion)</b>	:	<ul style="list-style-type: none"><li>• Minimum 62 bar steam pressure</li><li>• Maximum of upto 15% use of fossil fuel of total energy consumption in K.cals or as per DPR, whichever is less.</li><li>• For only new boilers and turbines (capacity limited to in accordance with the estimated potential in a state)</li></ul>
<b>Co-generation</b>	:	<ul style="list-style-type: none"><li>• Minimum 40 bar steam pressure</li><li>• Maximum of upto 15% use of fossil fuel of total energy consumption in K. cal. or as per DPR, whichever is less, during crushing season.</li></ul>
<b>Biomass power with advanced technology</b>	:	
<b>Wind Energy (only for State Governments)</b>	:	<ul style="list-style-type: none"><li>• WEG installed capacity greater than 500 KW</li><li>• not more than 1% of technical potential of the state or 6MW, which ever is less</li><li>• states where commercial activity has not yet been initiated, / taken off</li></ul>

## III. SUBSIDY

Following subsidy is proposed to be provided to new grid connected power projects. The subsidy for the projects is linked to capacity(C in MW)of the project and the per MW subsidy will decrease with increase in capacity of the projects above 1 MW and vice versa.

	Special Category States (NE Region, Sikkim, J&K, HP & Uttarakhand)	Other States
Small Hydro Power projects	Rs 2.25 crores X (C MW) <sup>0.646</sup>	Rs 1.50 crores X (C MW) <sup>0.646</sup>
<b>Biomass Based projects</b>		
Biomass Power projects	Rs 25 lakh X (C MW) <sup>0.646</sup>	Rs 20 lakh X (C MW) <sup>0.646</sup>
Bagasse Co-generation	Rs 18 lakh X (C MW) <sup>0.646</sup>	Rs 15 lakh X (C MW) <sup>0.646</sup>
Bagasse Co-generation projects by cooperative/public/joint sector		
40 bar & above	Rs. 40 lakh *	Rs. 40 lakh *
60 bar & above	Rs. 50 lakh	Rs. 50 lakh
80 bar & above	Rs. 60 lakh	Rs. 60 lakh
	Per MW (maximum support Rs. 8.0 crore per project)	Per MW (maximum support Rs. 8.0 crore per project)
Biomass Power using Advanced Technologies	Rs. 1.2 crore X (C MW) <sup>0.646</sup>	Rs. 1.0 crore X (C MW) <sup>0.646</sup>
Wind Power projects	Rs 3.00 crores X (C MW) <sup>0.646</sup>	Rs 2.50 crores X (C MW) <sup>0.646</sup>

*\*For new sugar mills (which are yet to start production and sugar mills employing backpressure route/seasonal/incidental cogeneration) subsidies shall be one-half of the level mentioned above.*

- (i) Subsidy for Renovation and Modernisation of old SHP projects and for completion of languishing SHP projects would be limited to 50% of the subsidy amount for new SHP projects. This support is only for the government sector.
- (ii) Subsidy for identification of new potential SHP sites and preparation of perspective plan by State agencies and Water mills will be same as in the present scheme.
- (iii) The activities of R&D, support for seminar/symposium, strengthening of technical institution etc will continue to be supported by the Ministry on case by case basis.

#### IV. QUALITY OF PROJECT

Quality of project and the equipment utilised therein is considered important for reliability and long-term operations. Project developers would be required to follow various international standards or national standards harmonized with the same as applicable to respective technologies. This would be an important criterion in granting subsidy for a project. The Ministry would issue list of such standards time to time.

##### SHP

For SHP projects, equipment must conform to the following standards.

Equipment	Standard
Turbines and generator (rotating electrical machines)	IEC 60034 - 1: 1983 IEC 61366-1: 1998 IEC 61116-1992 IS: 4722-2001 IS 12800 (part 3) 1991
Field Acceptance Test for Hydraulic performance of turbine	IEC 60041: 1991
Governing system for hydraulic turbines	IEC 60308
Transformers	IS 3156 - 1992 IS 2705 - 1992 IS 2026 - 1983
Inlet valves for hydro power stations & systems	IS 7326 - 1902

##### Wind

Wind power projects must confirm to relevant international/national codes of practices, including the following standards:

Equipment	Standard
Wind Turbines safety and design	IEC 61400 , IEC 61400-1 Ed2 IEC 61400-2
Power performance	IEC 61400-12
Noise Measurement	IEC 61400-11
Mechanical load Measurement	IEC 61400-13
Wind Turbine Certification	IEC 61400-22
Blade Structural Testing	IEC 61400-23
Power Quality	IEC 61400-21

The projects would also be required to be tested for performance as per DPR norms. For SHP projects, AHEC IIT, Roorkee would carry out the performance test and cost towards this would be borne by the developer whereas for wind projects C-WET will carry out the same at the cost of the developer.

### **Biomass and Cogeneration**

Standards being issued separately.

## **V. SUBMISSION OF REQUEST FOR SUBSIDY**

- (i) Application for subsidy should be submitted in the prescribed format complete in all respects after erection and successful commissioning of the project in cases where subsidy is back ended. However, in case where part subsidy is upfront, application is required to be sent before commencement of the project with a copy to the concerned SNA. The prescribed format are enclosed.
- (ii) For projects where loan is being availed, the application should be submitted complete in all respects through the lead FI.
- (iii) The Developers/Agencies/State Government/Institutions/Industries setting up projects through their own resources may submit the application complete in all respects directly with a copy to the concerned SNA.
- (iv) In case where there is upfront subsidy/part subsidy, the application, complete in all respects, should be submitted in the prescribed format after obtaining all necessary statutory clearances and financial closure. The application should clearly indicate the expected date of completion of the project, performance guarantee test and commencement of commercial generation of electricity.
- (v) Mere submission of application, or in case additional information is sought by MNRE, the same would not tantamount to eligibility for subsidy.
- (vi) All application should reach the respective divisions in MNRE as follows:
  - (i) SHP proposals – Attention: Dr. P. Saxena/Shri A.K. Chopra
  - (ii) Biomass and Cogeneration – Attention: Dr. J.R. Meshram
  - (iii) Wind – Attention: Dr. J.R. Meshram

## **VI. SANCTIONING OF SUBSIDY**

- (i) In cases where there is upfront subsidy/part subsidy applications complete in all respect will be considered and the decision communicated to the developer and subsidy /part subsidy to be released as per procedure laid down. Developers must demonstrate the technical feasibility and economic viability of the project and submit all necessary statutory clearances.

## **VII. RELEASE OF SUBSIDY**

### **Upfront subsidy/part subsidy**

(i) For government sector projects, subsidy would be released as: 25% at the time of sanction, 50% with physical progress on ground and 25% after successful commissioning of the project as per DPR norms and performance testing.

(ii) For bagasse cogeneration projects in cooperative / public/ joint sector sugar mills 50% of eligible subsidy will be released to the FI after sanction of the loan towards reducing the loan amount. Balance 50% will be released after successful commissioning of the project as per DPR norms, and performance testing during which operations should be demonstrated for atleast 90 days and 100 per cent rated capacity for atleast 72 hours.

### **Back ended subsidy**

(i) Sanctioned subsidy amount shall be released in a single installment, on successful commissioning of the project and performance testing during which 80 per cent of rated capacity should be demonstrated for 90 consecutive days and 100 per cent rated capacity for atleast 72 hours. A certificate from the concerned SEB/transmission company (the authority designated in the State for signing PPA) will have to be produced to this effect. The subsidy would reduce the loan by an equivalent amount and would be deemed as a pre-payment of the loan by the developer. In case the project is set up by the developer through its own resources, the subsidy would be released directly to them.

### **For all projects**

(i) The developer or his successor will be required to provide data on its generation performance on a six monthly basis to MNRE for a period of 10 years after it has commenced commercial generation.

(ii) The Ministry will have the right to publish case studies/success stories/ articles/ technical papers on projects provided subsidy/part subsidy.

(iii) Award of subsidy by the Ministry will not make it a party to any liability which may arise on account of operation of the project such as accidental injury to persons, damage to surroundings, rehabilitation of displaced persons etc. The promoters will have to expressly undertake at the time of application to absolve the Ministry in totality of all such liabilities.



**VIII. INCENTIVES TO STATE NODAL AGENCIES**

The State Nodal Agencies would be given an incentive/service charge @ 0.25% of subsidy in order to facilitate developers in setting up projects except in the case of SHP projects. This would be released after release of full subsidy amount.

**IX. ONGOING SANCTIONED PROJECTS AND PENDING PROPOSALS**

In order to rationalize incentives given by the Ministry under its old schemes for grid interactive renewable power, it is proposed that such projects which have been supported by the Ministry in past under its interest subsidy schemes would be given option to get the un-disbursed subsidy amount adjusted against the outstanding loan amount as one time support after successful commissioning of the project as above. The subsidy total amount as per the proposal will be equivalent to the original sanctioned interest subsidy amount, taking the appropriate discount factor used in the case of release of funds to IREDA. This would not lead to any additional outgo of funds as the same have already been released to IREDA / other FIs

X. The scheme would be applicable from date of its issue and would continue upto the end of 10<sup>th</sup> Five-Year Plan i.e. 31 March 2007.

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**APPLICATION FORMAT FOR SUBSIDY TO COMMERCIAL SHP PROJECTS  
UNDER SMALL HYDRO POWER PROGRAMME**

**(TO BE FILLED IN BY DEVELOPER/PROMOTER)**

**A. GENERAL**

1. Name of the project
2. Address, phone, Telex and Fax numbers of the project office
3. Name of the Developer & his address
4. Constitution of the Organisation  
(private sector/joint sector/ public sector/ co-operative etc.)

**B. PROPOSED PROJECT**

5. Name of Project
6. Location
  - (a) State
  - (b) District
  - (c) Village
7. Name of river
8. Cost of the project ( with break-up of costs)
9. Means of Financing
  - i) Promoter's Contribution
  - ii) Term loans and name/address of FIs providing it
  - iii) Any other
10. Conditions of loan approved by the financial institution
  - i) Security
  - ii) Promoter's contribution
  - iii) Payment schedule
  - iv) Interest rate
  - v) Any other
11. Scheduled date of completion of the project  
performance guaranty tests and  
commencement of commercial generation

**C. PROJECT PROFILE (TECHNICAL)**

12. Capacity in MW :
13. Number of units and size :
14. Design Head in meters :
15. Design discharge in Cumecs :
16. Annual Energy Generation :
17. Generation cost Rs./KWH :

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**Enclosures:**

- I. Two copies of recent DPR conforming with the CEA/CWC guidelines.
- II. Copy of the letter of allotment of SHP site to the developer from the State Govt./ Agency.
- III. Copy of MOU between State Govt. and the developer for setting up of project.
- IV. Copy of State Govt.'s recommendation addressed to the Ministry.
- V. Copies of the Statutory clearance such as
  - Clearance from Irrigation Department,
  - Clearance from the State Electricity Board/Power Department/State Agency
  - Environmental clearance
  - Forest clearance
  - Any other statutory clearance
- VI. Copy of the PPA etc.
- VII. Documentary evidence indicating land acquisition for the project.

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**APPLICATION FORMAT FOR FINANCIAL INSTITUTIONS FOR SUBSIDY OF SHP PROJECTS UNDER  
THE SMALL HYDRO POWER PROGRAMME**

**(TO BE FILLED IN BY EACH FINANCIAL INSTITUTION PROVIDING TERM LOANS FOR THE PROJECT)**

1. Name of the F.I. Along-with complete address, telephone No., Fax No., etc.
2. Name of contact person;
3. Name of the Project & Location for which subsidy is requested
4. Total project cost :
5. Term loan approved :
6. Conditions of loan (copy of approval letter to be enclosed)
  - expected schedule for release of loans
  - interest rate
  - moratorium :
  - repayment period :
  - security :
  - any other :
7. Other term loans, if any, proposed to be taken from any other financial institution alongwith terms

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**PROFORMA SHP-III**

**APPLICATION FORMAT OF SUBSIDY FOR SETTING UP NEW SHP PROJECTS IN THE  
GOVERNMENT SECTOR**

1. Name of the Organisation
2. Postal Address
3. Fax No. :
4. Email Address :
5. Name of Chief Executive with Designation
6. Tel: Office :  
Res. :
7. Name of Project
8. Rated :
  - i) Capacity
  - ii) Head
  - iii) Discharge
  - iv) Generation
9. Name of the river/stream/dam/canal
10. Location (incl. District, State)
11. Whether grid-connected; and the distance of grid
12. Estimated cost of the project (Rs. lakhs):
  - a) Total
  - b) Civil Works
  - c) E&M Works
  - d) Other
13. Means of financing
  - a) MNRE support
  - b) Loans
  - c) Other sources
15. Period and schedule of completion:

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**APPLICATION FORMAT TO AVAIL SUBSIDY FOR RENOVATION, MODERNISATION AND  
CAPACITY UPRATING OF EXISTING SHP PROJECTS**

1. Name of the Organisation :
2. Postal Address :
3. Fax No.:
4. Email address :
5. Name of Chief Executive with :  
Designation
6. Telephone No.: Office :  
Res. :
7. Name of Power Station :  
and installed capacity
8. Location (incl. District, State) :
9. Date of commissioning :
10. Plant Load Factor for last 3 year :
11. Plant Availability Factor for last 3 year :
12. Estimated cost of the R&M works:
  - a) Total
  - b) Civil Works
  - c) E&M Works
  - d) Other
13. Means of financing :
  - a) State funds/Own resources
  - b) Loans
  - c) Other sources
14. Completion Schedule (in months) :
15. Enclosures
  - a) Three copies of the R&M reports.
  - b) Copies of all necessary statutory clearances.
  - c) Recommendations of concerned State Govt.
  - d) Commitment for matching funds including financial tie up.

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**APPLICATION FORMAT OF SUBSIDY FOR LANGUISHING SHP PROJECTS TAKEN UP IN THE GOVERNMENT SECTOR**

1. Name of the Organisation :

2. Postal Address :

3. Fax No. :

4. Email Address :

5. Name of Chief Executive with Designation :

6. Tel: Office :  
Res. :

7. Name of Project :

8. Rated :

- v) Capacity
- vi) Head
- vii) Discharge
- viii) Generation

9. Name of the river/stream/dam/canal

10. Location (incl. District, State) :

11. Year of start of the project/org. estimated cost:

12. Latest estimated cost of the project (Rs. lakhs):

- a) Total
- b) Civil Works
- c) E&M Works
- d) Other

13. Estimated cost of balance works (Rs. lakhs):

- a) Total
- b) Civil Works
- c) E&M Works
- d) Other

14. Details of financial tie-ups:

15. Amount of Capital subsidy Requested :

16. Completion schedule (in months) :

(To be signed by authorised signatory)

Dated: \_\_\_\_\_

**APPLICATION FORMAT FOR SCHEME OF GRID INTERACTIVE RENEWABLE POWER GENERATION PROJECTS (FOR BIOMASS AND BAGASSE COGENERATION PROJECTS)**

**[ TO BE FILLED IN BY PROMOTER & FORWARDED THROUGH LEAD FI ]**

**I. GENERAL**

- (i) Name, Address, Phone, Fax & Email of applicant. :
- (ii) Name and designation of authorised signatory :
- (iii) Constitution (Private Sector/Proprietorship/ joint sector/Coop. etc.) :
- (iv) Location Address of project (Village, District, State) :

**2. PROJECT DETAILS**

**CAPACITY**

- (i) Whether new or existing sugar mill :
- (ii) Plant operating Capacity (TCD) :

**3. POWER GENERATION**

- (i) Installed capacity (MW) :
- (ii) Generation capacity (MW) :
- (iii) Surplus Exportable (MW) :  
Operating days (Season /Off-Season) :

**4. WHETHER TIE-UP/AGREEMENT FINALISED**

- (i) PPA : (Yes/No)
- (ii) Firming of equipment/technology : (Yes/No)
- (iii) Disbursement of loan : (Yes/No)

**5. TECHNOLOGY USED**

(please specify combustion/gasification/cogeneration)

**6. BIOMASS**

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



**7. SUPPORT FUEL**

Type of other fuels, if proposed to be used as Support / Supplementary Fuel

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

**7. 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

**8. TECHNICAL**

(i) Design pressure and temperature of steam generation

(ii) Capacity of boiler & make

(iii) Capacity of turbine & make

(iv) Grid voltage at which interconnection is to be done

(Authorised Signatory)

Date:

Place:

## [ TO BE FILLED BY LEAD FINANCIAL INSTITUTIONS ]

i) Name of the Lead FI (and other FIs, Lending to the Project) complete address, telephone number, fax number, e-mail etc., and name & designation of the contact person.	
ii) Whether any application made / proposed to be made for any other financial assistance / grant / loan for the project from any organisation in India or abroad. If yes, please give the source details.  iii) As, appraised by FI(s)	
<ul style="list-style-type: none"> <li>• Crushing capacity (Actual &amp; Licensed)</li> <li>• Biomass quantity used per day</li> <li>• Cost of the project (As approved by FIs)             <ol style="list-style-type: none"> <li>1. Civil Works</li> <li>2. Plant &amp; Machinery</li> <li>3. Misc. Equipment</li> <li>4. Pre-operative expenses</li> <li>5. Others</li> </ol> </li> </ul>	
<ul style="list-style-type: none"> <li>• Means of Financing (As appraised by FIs)             <ol style="list-style-type: none"> <li>1. Promoters/Mills contribution</li> <li>2. Term loan (FI wise)</li> <li>3. Any other sources</li> </ol> </li> <li>• Appraised Installed Capacity (MW)</li> <li>• Appraised Net / Exportable Power (MW)</li> <li>• Appraised total Term Loan approved (FI wise)</li> </ul>	
iv) Physical Status	
v) Anticipated commissioning schedule	
vi) Agreed conditions of loan(s) as approved by FIs (ref. item 6 of Adm. Approval) <ul style="list-style-type: none"> <li>- Approved schedule for disbursements of loan(s)</li> <li>- Interest rate</li> <li>- Moratorium</li> <li>- Repayment period</li> <li>- Security</li> <li>- Any other</li> </ul>	
vii) a) Whether power purchase agreement with SEB has been made ?  b) Amount of 1st disbursement (FI wise) (release certificate to be enclosed)	
viii) Amount of Capital Subsidy eligibility as per GOI sanction order (please enclose sheet)	Rs.

(ix) Enclosure check list / Whether enclosed (Please tick)

- |    |  |     |     |
|----|--|-----|-----|
| 1. | Two copies of DPR as accepted by FI(s)                         | ( ) | ( ) |
| 2. | Copy of PPA  | ( ) |     |
| 3. | Copy of Statutory clearances / State Government approvals/PCBC | ( ) | ( ) |
| 4. | Sanction Order of FI(s)  | ( ) |     |
| 5. | Authorised / attested copies of loan Agreement (s)             | ( ) |     |
| 6. | Appraisal Note of FI(s)  | ( ) |     |
| 7. | Disbursal certificates (FI-wise)                               | ( ) | ( ) |
| 8. | Disbursement Schedule (FI-wise)                                | ( ) |     |
| 8. | Any other (please specify)                                     | ( ) |     |

(Authorised Signatory)

Date:

Place:

**APPLICATION FORMAT FOR SCHEME OF GRID INTERACTIVE RENEWABLE POWER  
GENERATION PROJECTS (FOR DEMONSTRATION WIND POWER PROJECTS)**

**A. GENERAL:**

1. Name of the Agency/Organisation
2. Postal Address
3. Email.
4. Fax No.
5. Status of the Agency/Organisation  
(Government/State Agency/SEB etc.)
6. Name of the contact person with  
Designation & Phone Nos.

**B. DETAILS OF THE PROJECT:**

1. Name of the project.
2. Location (incl. District, State)
3. Capacity in MW  
(Indicate the Unit size of WTGs)
4. Distance from the nearest town  
(Indicate accessibility to the site)
5. Distance from Grid.
6. Average Annual Wind Speed  
(Based on minimum 3 years continuous data)  
Also indicate the source of data.
7. Availability of land
  - (a) Whether owned by Government/Private
  - (b) Total area of Potential Land
  - (c) How do you propose to acquire?
8. Cost of the project.
9. Cost of Generation.
10. Means of Financing (Indicate  
Provisions in State budget  
in case of State Government).

11. Utilisation of Power Generated from the project (whether Agreement with the SEB finalised).

12. Whether State has announced policy/incentives for Wind Power Generation.

13. Potential of Wind Power (in MW) at the proposed location through private participation.

14. No. of demonstration projects with their capacity (in MW) already existing

(a) In the State

(b) at the proposed site

**Enclosures:**

(i) Two copies of DPR

(ii) Proof of land availability

(iii) Copy of the agreement with State utilities for terms/arrangements for evacuation of power.

(iv) State Govt. commitment for State share.

SCHEME FOR DEMONSTRATION WIND POWER PROJECTS

TERMS AND CONDITIONS

The proposals will be considered by the Ministry subject to the following terms and conditions: -

1. Firm commitment (including Agreements, where necessary) of the remaining cost being met by the State, availability of land, infrastructure and power evacuation arrangements, should be provided in the proposal.
2. An Annual Maintenance Contract by the WEG supplier for five years from commissioning should be included as an integral part of each project.
3. A State-level Monitoring Committee, including a representative from MNRE will have to be constituted to monitor the progress of implementation.
4. The project will stand automatically cancelled in case the work orders are not placed within six months of the issue of sanction letter, and in case of such previous cancellations, no new project will be sanctioned to the State.
5. A firm implementation schedule will have to be provided and strictly adhered to.
6. Approval of the proposal and the grant being released is for specific projects. The MNRE financial assistance is intended to ensure time and cost bound completion of wind power projects. Therefore, as far as possible, turnkey contracts should be awarded on time bound fixed price basis with sufficient liquidated damages and performance guarantees.
7. Any other GOI funds should not be utilised without the prior approval of this Ministry.
8. For permanent assets acquired solely or mainly out of the grants an audited record in the form of register in the prescribed program, is required to be maintained. The items "assets" here means (i) immovable property and (ii) movable property of a capital nature where the value exceeds Rs.10, 000/-.
9. All equipment and prototype(s) acquired from the grant will be the property of Government of India and should not without the prior sanction of this Ministry, be disposed off or encumbered or utilised for purposes other than for which the grant has been sanctioned.
10. Photographic record of progress of work will be maintained every quarter on prints and slides and copy of photographs sent to the MNRE for information and record. The expenditure on this account may be charged to project account under head "contingencies".
11. The organisation will arrange to display a notice board at a prominent place at the project site to the effect that the MNRE has financially supported the project with file number of the sanction.
12. The organisation will be required to furnish quarterly progress reports on the progress made on all aspects of the project including certified statement of expenditure incurred on various approved items during the period.
13. (i) The guarantee organisation is required to submit a audited Utilisation Certificate as per format within 15 months from the date of sanction of the grant or 6 months from the date of closing of annual accounts of the organisation whichever is earlier;  
(ii) The organization would render to MNRE an audited statement of accounts including comments of the Auditor regarding the observance of the condition governing the grant within six months following the end of each financial year.

(iii) Release of subsequent installments will be made only after receipt of Utilisation Certificate and certified statement of expenditure which should also indicate matching and progressing utilisation of State share.

14. The Comptroller and Auditor General/Internal Audit Wing/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 grants received from Government.
15. Carry forward of funds to the next financial year for utilisation for the project during that year is to be considered only with the specific approval of this Ministry. Misutilisation of funds will be viewed seriously, and may lead to cancellation of the project and recovery of the released amount with interest.
16. The staff that may be employed for the project by the organisation is NOT to be treated as employees of the Government of India and the employment of such staff at the time of sanction is not to be treated as the responsibility of the Government of India.
17. Within three months from the completion of the project the Organisation will furnish three copies of the "as built" detailed report to the MNRE supported by engineering drawings, charts, generation data, photographs, performance tests and trials, final Taking Over certificate.

GRF 19-A  
[See Rule 212(1)]

Format of Utilization Certificate

Sl. No.	Letter No.	and date	Amount
		Total	

Certified that out of Rs. \_\_\_\_\_ of Grants-In-Aid sanctioned during the year \_\_\_\_\_ in favour of (Name of SNA) 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 utilized for the purpose of (programmes Name) for which it was sanctioned and that the balance of Rs. \_\_\_\_\_ Remain un-utilized at the end of the year has been surrender to Government (Vide No.... dated...)/ will be adjusted 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 utilized for the purpose for which it was sanctioned.

Kinds of checks exercised.

- 1.
- 2.
- 3.
- 4.

Signature:  
Designation:  
Dated: