

Validation Protocol for Ganpati co-generation project at Medak, Andhra Pradesh

CDM.VAL0287

Table 1 Participation Requirements for Clean Development Mechanism (CDM) Project Activities (Ref PDD, Letters of Approval and UNFCCC website)

REQUIREMENT	MoV	Ref	Comment	Draft finding	Concl
1.1 The project shall assist Parties included in Annex I in achieving compliance with part of their emission reduction commitment under Art. 3 and be entered into voluntarily.	DR	PDD	The project is a unilateral project. There is no involvement of the Annex I parties. The project will ultimately help Annex I parties in achieving their emission reduction commitment through the sale of CERs.	OK	OK
1.2 The project shall assist non-Annex I Parties in achieving sustainable development and shall have obtained confirmation by the host country thereof, and be entered into voluntarily	DR	PDD	The project will help in achieving sustainable development. A letter of approval is required from Indian DNA confirming host country approval	CAR1	OK
1.3 All Parties (listed in Section A3 of the PDD) have ratified the Kyoto protocol and are allowed to participate in CDM projects			India ratified the Kyoto protocol on 26 August 2002 and is allowed to participate (http://unfccc.int/parties_and_observers/parties/items/2109.php)	OK	OK
1.4 The project results in reduction of GHG emissions or increases in sequestration when compared to the baseline; and the project can be reasonably shown to be different from the baseline scenario	DR	PDD	Yes, the project activity results in reduction of the GHG emissions	OK	OK
1.5 Parties, stakeholders and UNFCCC accredited NGOs shall have been invited to comment on the validation requirements for minimum 30 days (45 days for AR projects), and the project design document and comments have been made publicly available			The project was listed for comments on the UNFCCC website from 25/10/2005 till 23/11/2005 commented by Joergen Fenhann "The link to the PDD for 15 MW biomass co-generation in Andhra	CAR2	OK

REQUIREMENT	MoV	Ref	Comment	Draft finding	Concl
			Pradesh do not work"		
1.6 The project has correctly completed a Project Design Document, using the current version and exactly following the guidance			Yes, the PDD format and guidelines are followed correctly	OK	OK
1.7 The project shall not make use of Official Development Assistance (ODA), nor result in the diversion of such ODA			OK/ TBC during the site visit	OK/TBC OBS11	OK
1.8 For AR projects, the host country shall have issued a communication providing a single definition of minimum tree cover, minimum land area value and minimum tree height. Has such a letter been issued and are the definitions consistently applied throughout the PDD?			n/a	n/a	n/a
1.9 Does the project meet the additional requirements detailed in: Table 9 for SSC projects Table 10 for AR projects Table 11 for AR SSC projects	DR		See table 9	pending	OK
1.10 Is the current version of the PDD complete and does it clearly reflect all the information presented during the validation assessment.	DR		OK	OK	OK
1.11 Does the PDD use accurate and reliable information that can be verified in an objective manner?			Data needs to be checked during site visit	Pending	OK

Table 2 Baseline methodology (ies) (Ref: PDD Section B and E and Annex 3 and AM) Normal CDM projects only

Table 3 Additionality (Ref: PDD Section B3 and AM) Normal CDM projects only

Table 4 Monitoring methodology (PDD Section D and AM) Normal CDM Projects only

Table 5 Monitoring plan (PDD Annex 4) Normal CDM Project activities only

Table 6 Environmental Impacts (Ref PDD Section F and relevant local legislation) Normal CDM Project Activities only

Table 7 Comments by local stakeholders (Ref PDD Section G) All CDM Project Activities

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
<i>Project developers need to invite comments by local stakeholders and a summary of the comments received should be provided. The project developer will need to show that due account was taken of any comments that have been received</i>					
7.1 Have relevant stakeholders been consulted?	DR		Yes, Minutes of the meeting held with the local stakeholders and the list of person present should be provided. It is to be checked whether the project details were made available to local village Panchayat.	NIR 3	OK
7.2 Have appropriate media been used to invite comments by local stakeholders?	DR	PDD / SV	Information on media used to invite comments (Press adverts, public announcement, letters etc.)	NIR4	OK
7.3 If a stakeholder consultation process is required by regulations/laws in the host country, has the stakeholder consultation process been carried out in accordance with such regulations/laws?	DR	PDD /SV	Information is not available	NIR5	OK
7.4 Is a summary of the stakeholder comments received provided?	DR	PDD	Yes, Pending NIR3	Pending	OK
7.5 Has due account been taken of any stakeholder comments received?	DR	PDD	Yes, Pending NIR3	OK/TBC	OK

Table 8 Other requirements All CDM project activities

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
8.1 Project Design Document					
8.1.1 Editorial issues: does the project correctly apply the PDD template and has the document been completed without modifying/adding headings or logo, format or font.	DR	PD D	Yes	OK	OK
8.1.2 Substantive issues: does the PDD address all the specific	DR	PD	A3 Section on Project participants is wrongly	CAR6	OK

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
requirements under each header. If requirements are not applicable / not relevant, this must be stated and justified		D	<p>filled, needs to be revised</p> <ul style="list-style-type: none"> 'Party' refers to the country which provides the written approval(could be Annex II or/and Annex I), Ministry of Environment and Forests', Government of India in this case Project participant could be a party involved and public and /or private entity authorised by a 'Party' 		
8.2 Technology to be employed					
8.2.1 Does the project design engineering reflect current good practices?	DR	PD D	Yes, PDD reflects current good practices	OK	OK
8.2.2 Does the project use state of the art technology or would the technology result in a significantly better performance than any commonly used technologies in the host country?	DR	PD D	Yes, the technology used gives a better performance	OK	OK
8.3 Is the project technology likely to be substituted by other or more efficient technologies within the project period?	DR		Its not likely that the technology will be replaced in the first crediting period	OK	OK
8.2.4 Does the project require extensive initial training and maintenance efforts in order to work as presumed during the project period?	DR		TBC, The project is an up gradation of an earlier one, but requirements for new technology to be confirmed	Pending OBS12	OK
8.3 Duration of the Project/ Crediting Period					
8.3.1 Are the project's starting date and operational lifetime clearly defined and reasonable?	DR	PD D	Yes, to be confirmed during the site visit	OK/TBC OBS13	OK
8.3.2 Is the assumed crediting time clearly defined and reasonable (renewable crediting period of max. two x 7 years or fixed crediting period of max. 10	DR	PD D	Yes, renewable crediting period starting from January 2003	OK	OK

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
years)?					
8.3.3 Does the project's operational lifetime exceed the crediting period	DR	PD D	Yes, Equipment lifetime to be confirmed	OK/TBC	OK

Table 9 Additional requirements for SSC project activities only

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
SSC projects use the SSC PDD and simplified baseline and monitoring methodologies as detailed in Appendix B (to the Modalities and Procedures for Small scale CDM projects, Annex II to Decision 21/CP.8) Indicative simplified baseline and monitoring methodologies for selected small scale CDM project activity categories					
9.1 Does the project qualify as a small scale CDM project activity as defined in paragraph 6 (c) of decision 17/CP.7 on the modalities and procedures for the CDM?	DR		Yes, the project is a renewable energy project having an output capacity of 15MW It was checked by the local assessor during the site visit and can also be cross checked from the State Electricity Regulatory Agency (APTRANSCO's) documents (the sum of all forms of energy output of the entire system does not exceed 15 MW and the boiler capacity also doesn't exceed 45 MW thermal)	OK	OK
9.2 The project conforms to one of the categories listed in Appendix B to Annex II to Decision 21/CP8	DR		OK, the project falls under the category of I.D: Renewable Electricity Generation for a Grid	OK	OK
9.3 The small scale project activity is not a debundled component of a larger project activity?	DR	PDD	No, the project activity is not a part of the de-bundled component of a larger project activity because there is no small scale registered project activity or an application to register a	OK	OK

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
			<p>small scale project activity :</p> <ul style="list-style-type: none"> • With the same project participants • In the same project category/technology measure; and • Registered within the two previous years; and • Whose project boundary is within 1km of the project boundary of the proposed small scale activity at the closest point 		
9.4 PDD has been prepared in accordance with appendix A of Annex II to Decision 21/CP8	DR	PDD	Yes, the PDD uses the simplified project design document for small scale project activities(version 2 dated 8 th July 2005)	OK	OK
9.5 The project uses a simplified baseline and monitoring methodology specified in Appendix B. If not, they may propose changes to the meths or a new SSC project category	DR		Yes, Type I.D Renewable Electricity Generation for a Grid	OK	OK
9.6 Are the emission reductions determined in accordance with the methodology described	DR	PDD	<p>Information on the amount of coal used and emissions due to usage of coal is missing.</p> <p>Excel sheet should be provided for operating margin, built margin and combined margin calculations.</p>	CAR 7	OK
9.7 Is there any bundling of SSC activities into one PDD? If so, does the monitoring plan consider sampling of activities? Refer to para 19 of Annex II. Also, note bundling provisions in SSC Briefing Note and SSC meths I C / I D and III D and Para 22e of Appendix B	DR	PDD	No, there is no bundling of SSC activities into one PDD.	OK	OK
9.8 Is EIA required by host party? If not,	DR	PDD	EIA is not required as	TBC	OK

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
none is required irrespective of SHC. If yes, has one been performed consistent with local requirements?			per the Indian law. This was checked by the local assessor (Sugar Industry is not classified among the 30 industries requiring EIA).		
<p>9.9 The project results in emission reductions that are additional in accordance with the following requirements:</p> <ul style="list-style-type: none"> • (para 26) The project is additional if emissions are reduced below those in the absence of the project • (Para 27) Simplified baseline can be used; if not, baseline proposed shall cover all gases, sectors and sources listed in Annex A to the KP • Para 28) One or more barriers as detailed in attachment A to Appendix B to Annex II will be used to demonstrate that the project would not proceed without the CDM 	DR	PDD /SV	<p>To be confirmed (LA) :</p> <ul style="list-style-type: none"> - Status of power purchase agreement/sale of power - Most financial institutions unwilling to finance the project (supporting documentation) <p>(LA) Evidence to be gathered for:</p> <p>Project being first of its kind in Indian sugar Industry</p> <p>Regulatory risks:</p> <p>State Electricity Regulations</p> <p>Revision of Power Purchase agreement by the state regulatory agency on unilateral basis</p> <p>High Pressure Configuration was not BAU at the time of project start (technological barrier)</p>	CAR8	OK
<p>9.10 Leakage is calculated according to the provisions of the SSC methodologies in Appendix B (http://cdm.unfccc.int/Projects/pac/ssclistmeth.pdf)</p>	DR	PDD	No leakage is considered because no electricity generating equipment is transferred from another activity or the existing equipment is transferred to another activity	OK	OK
9.11 The project boundary shall be	DR	PDD	OK, The project	OK	OK

CHECKLIST QUESTION	Ref.	MoV*	COMMENTS	Draft Concl	Final Concl
constructed in accordance with the requirements of the SSC meths in Appendix B			boundary includes the power generation plant and the South Indian regional grid, to which power is exported		
9.12 The Monitoring plan shall be consistent with the requirements of the SSC methodology in Appendix B and shall provide for the collection and archiving of data needed to determine project emissions, baseline emissions and leakage.	DR	PDD	Provide details of the monitoring parameters for the amount of coal used in the plant	CAR9	OK
9.13 The monitoring plan shall present good monitoring practice appropriate to the circumstances of the project activity (para 33)	DR	PDD /SV	TBC Details required on monitoring protocol, monitoring, measuring and reporting of the fuels used, checks on internal procedures, internal audits, missing data to be confirmed during site visit	NIR10	OK
9.14 If project activities are bundled, separate monitoring plan shall be prepared for each of the activities or an overall plan reflecting good monitoring practice will be prepared, consistent with the above requirements	DR		n.a	n.a	

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