



FRAMEWORK CONVENTION ON CLIMATE CHANGE - Secretariat
CONVENTION - CADRE SUR LES CHANGEMENTS CLIMATIQUES -
Secrétariat

Date: 28 May 2009
Ref: CDM-EB-47

EXECUTIVE BOARD OF THE CLEAN DEVELOPMENT MECHANISM
FORTY-SEVENTH MEETING

Report

Date of meeting: 26 - 28 May 2009

Location: Bonn, Germany

Attendance: The names of members and alternate members present at the forty-seventh meeting are in bold print below. Where only the name of an alternate member is in bold print, the alternate participated as a member.

Members	Alternates
Mr. Lex de Jonge ²	<i>Mr. Pedro Martins Barata</i> ²
Mr. Kamel Djemouai ¹	Mr. Samuel Adeoye Adejuwon ¹
Mr. Philip M. Gwage ²	Mr. Xuedu Lu ²
Mr. Martin Hession ¹	<i>Mr. Thomas Bernheim</i> ¹
Mr. Shafqat Kakakhel ¹	Mr. Rajesh Kumar Sethi ¹
Mr. Clifford Mahlun ²	Mr. Noah Idechong ²
Mr. Paulo Manso ²	Mr. Hussein Badarin ²
Mr. Victor Nicolae ²	<i>Ms. Diana Harutyunyan</i> ²
Mr. Hugh Sealy ¹	Mr. José Domingos Miguez ¹
Mr. Peer Stiansen ¹	Mr. Akihiro Kuroki ¹

¹ Term: Two years (term of service ends immediately before the first meeting in 2011)

² Term: Two years (term of service ends immediately before the first meeting in 2010)

NB: The term of service of a member, or an alternate member, starts at the first meeting of the Executive Board in the calendar year following his/her election and ends immediately before the first meeting of the Executive Board in the calendar year in which the term ends (see Rules of procedure of the Executive Board).

Quorum (in parenthesis required numbers): **10** (7) members or alternate members acting as members present of which **4** (3) from Annex I Parties and **6** (4) from non-Annex I Parties.

WWW broadcasting : < <http://cdm.unfccc.int/EB/Meetings> >.

**Agenda item 1. Membership issues (including disclosure of possible conflict of interest)**

1. Mr. Lex de Jonge, Chair of the Executive Board of the clean development mechanism (CDM) (hereinafter referred to as the Board) opened the meeting and asserted that the quorum requirement was met. Members and alternate members made declarations as to whether they had a conflict of interest as to any items on the meeting agenda. Specifically, Mr. Lex de Jonge, Mr. Martin Hession and Mr. Peer Stiansen also requested that their signed statements regarding conflict of interest be attached to this report, as contained in [annex 1](#) to this report.
2. The Board noted that the secretariat was informed that Mr. Pedro Martins Barata, Mr. Kamel Djemouai, Mr. Thomas Bernheim, Ms. Diana Harutyunyan and Mr. Hugh Sealy were unable to attend the meeting and had provided proper justification for their absence.

Agenda item 2. Adoption of the agenda

3. The Board adopted the agenda and agreed to the agenda of the meeting.

Agenda item 3. Work plan**Agenda sub-item 3 (a): Accreditation of operational entities**

4. The Board took note of the thirty-first progress report on the work of the CDM Accreditation Panel (CDM-AP), and an oral report by the Chair, Mr. Martin Hession. The report summarized information relating to the work of the panel including the status of applications and developments with respect to desk reviews, on-site assessments, performance assessments and other accreditation related issues.
5. The Board took note of the steps undertaken by the CDM-AP to conduct additional focused on-site assessments referred to in paragraph 9 of the report of the forty-sixth meeting of the Board. The Board agreed to consider at its next meeting progress made in the assessments and to review the 6-month deadline imposed by the paragraph mentioned above.

Case specific

6. The Board considered the recommendation of the CDM-AP and agreed to extend retrospectively accreditation scope of 'TÜV Rheinland Japan Ltd. (TÜV Rheinland)' to sectoral scopes 14 (Afforestation and Reforestation) and 15 (Agriculture) both for validation and verification functions. The extension of scopes shall be effective from the date of the forty-sixth meeting of the Board.
7. The Board considered an appeal submitted by a designated operational entity (DOE) against the recommendation of the CDM-AP. The Board, in accordance with the CDM accreditation procedure, decided to establish a three member appeal panel and requested it to prepare a report for the consideration of the Board at its forty-eighth meeting. The Board also agreed that the appeal panel members shall be compensated for three days of work in accordance with United Nations rules and regulations.
8. The Board took note of two (2) notifications submitted by the CDM-AP on the outcome of performance assessment activities.



General guidance

9. The Board, with regard to the various activities agreed at its forty-fifth meeting in reference to the implementation of the Validation and Verification Manual (CDM-VVM), agreed to hold an additional workshop in the Asian and Pacific region. The Board also requested the secretariat to extend the duration of the workshops to a third day dedicated to the participation of representatives of designated national authorities and project participants. The Board requested the secretariat to include the costs related to the implementation plan for the VVM in the next revision of the CDM-MAP.

10. The Board requested the secretariat to prepare a working plan for updating and improving the VVM for consideration at its forty-eighth meeting.

11. The Board took note of an update on the analysis of the performance of entities, based on currently available data, and requested the secretariat to update the Board on the progress of this work at its forty-ninth meeting.

12. The Board considered a proposal relating to allowing DOEs to perform verification and certification functions to the same project activity for some sectoral scopes. The Board requested the CDM-AP to prepare a recommendation for the consideration of the Board at a future meeting.

13. The Board considered the short-list of candidates received in response to the call for experts to appoint outgoing accreditation panel members. The Board agreed to appoint the following experts as members of the Accreditation Panel: Mr. Anil Jauhri and Mr. Hubert de Bonafas. The Board also agreed that a third member of the panel shall be selected from the list of candidates from the new call for experts to be announced as referred in paragraph 14.

14. The Board agreed to launch a call for experts starting on 29 May 2009 and ending on 28 June 2009 in order to replace one outgoing member and one member with methodological expertise. The Board requested the secretariat to prepare a shortlist of candidates for the consideration of the Board at its forty-eighth meeting.

15. The Board thanked the outgoing member of the CDM-AP, Mr. Francisco Antonio España Fernandez, for his contribution to the work of the panel.

Further schedule

16. The Board noted that the forty-second meeting of the CDM-AP will be held from 29 June to 1 July 2009, as per annex 66 of the forty-sixth meeting of the Board.

Agenda sub-item 3 (b): Methodologies for baselines and monitoring plans

17. The Board took note of the report of the thirty-eighth meeting of the panel on baseline and monitoring methodologies (Meth Panel), and an oral report by the Chair of the panel, Mr. Philip Gwage, on the work of the panel.

Case specific

18. Taking into consideration the inputs by experts (desk reviewers), the public, and the recommendations of the Meth Panel, the Board agreed to:



Approve cases:

(a) **AM0080** - "Mitigation of greenhouse gases emissions with treatment of wastewater in aerobic wastewater treatment plants", which was proposed as NM0250 (Fès Waste Water Treatment Plant (WWTP) with sludge treatment and biogas recovery & utilization for electricity generation at Fès city, Morocco) and link it to scope 13 (Waste handling and disposal), as contained in the annex 2 of this report.

(b) **AM0081** - "Flare or vent reduction at coke plants through the conversion of their waste gas into dimethyl ether for use as a fuel", which was proposed as NM0265 (Reduction of flaring of COG through conversion into dimethyl ether to be used as fuel in Shanxi, China) and link it to scope 1 (Energy industries) and scope 5 (Chemical industries), as contained in the annex 3 of this report.

19. The Board considered the draft methodology "Use of charcoal from planted renewable biomass in the iron ore reduction process through the establishment of a new iron ore reduction system", which was proposed as NM0278 (Use of Charcoal from Renewable Biomass Plantations as Reducing Agent in Pig Iron Mill in Brazil). This proposed new methodology was recommended to the Board for approval by the Meth Panel at its thirty-eighth meeting. The Board requested the panel to further consider the case, in particular:

(a) Review the project boundary as applied to the source of renewable biomass for production of reducing agent: (i) registered A/R CDM project activity; (ii) other biomass plantation;

(b) Review the necessity of supplier of renewable biomass to be the project participants;

(c) Review the proposed methodology by the afforestation and reforestation working group (A/R WG) with regard to the approach related to renewable biomass production.

20. The Board considered the draft methodology "Baseline and monitoring methodology for new grid connected power plants using waste gas fired Combined Cycle Gas Turbine technology instead of more GHG intensive technology", which was proposed as NM0292 Highly efficient power plant fuelled with blast furnace gas at TKCSA, in Rio de Janeiro, Brazil. This proposed new methodology was recommended to the Board for approval by the Meth Panel at its thirty-eighth meeting. The Board requested the panel to further consider the cases, in particular:

(a) Analyze possible issues related to generation of waste gas of multiple types and their inter-linkages in the complex industry like integrated iron & steel plant. The analysis shall take into account the outcome of ongoing consultancy assignment on waste energy recovery in complex iron & steel industry;

(b) Review the applicability condition requiring that the power generated in the project activity is used within the industrial facility and/or exported to the grid by the industrial facility;

(c) Review the rationale behind the requirement of determination of baseline efficiency based on the top 15% efficient power plants.

21. **Not to approve cases:** NM0284 and NM0286 which, if revised taking into account comments, can be resubmitted but will require new expert and public input.



22. The Board considered the issue of permanence, in relation to the cases NM0267 "Shuixi Gou Coal Field Fire Extinguishing Project" and NM0297 "Carbon dioxide and methane emissions avoidance from Block-C, Central Kalimantan", and the following conclusion was made:

- (a) It cannot be ensured that the baseline GHG emissions related to the above mentioned project activities are of anthropogenic nature;
- (b) The permanence of the GHG emission reduction cannot be ensured;

Therefore these activities cannot be considered eligible under CDM;

23. In consideration of the request for deviation from the approved methodology ACM0006 related to a project activity undergoing validation that asked for the deviation from the use of combined tool prescribed by the methodology and suggested a change in equation 15 of methodology, the Board has requested the Meth Panel to review the possibility of:

- (a) Changing the equation 15 of methodology ACM0006 as per the request;
- (b) Allowing the use of additionality tool, in place of combined tool.

The Board requested the panel to provide input on the request for deviation along with a revision of ACM0006, if required, for its consideration at its forty-eighth meeting.

Responses to requests for clarification

24. The Board took note of the responses to clarifications provided by the Meth Panel on the cases AM_CLA_0141 to AM_CLA_0147.

Responses to requests for revisions

25. The Board agreed to the responses prepared by the Meth Panel to revisions and the resultant revision of approved methodologies:

- (a) Not to accept request AM REV 0108 concerning revision of the approved methodology AM0028 to make it applicable to new nitric acid production capacities, which have been installed and are commercially operational when requesting the registration of the project activity under the CDM.
- (b) Not to accept request AM REV 0115 concerning revision of the approved methodology AM0028 to broaden its applicability to include the case in which the exiting Nitric Acid plant was relocated, without changing the underlying concept of the methodology.
- (c) Not to accept request AM REV 0116 concerning revision of the approved methodology AM0034 to include Nitric Acid plants that were already approved by the government for construction by the cut off date of 31 December 2005.
- (d) Not to accept request AM REV 0138 concerning revision of the approved methodology AM0058 to expand the applicability of this methodology to project activities that recover waste heat from the incineration of municipal solid waste (MSW), to be used in a primary district heating system; and introduce a new cogeneration plant to supply heat to the primary district heating system.
- (e) Not to accept request AM REV 0139 concerning revision of the approved methodology ACM0014 to correct one of the equations of the Methane Conversion Factor (MCF) method used in ACM0014, to make it consistent with the other methods and with physical principles of COD



degradation to methane, as described in AM0013.

(f) Not to accept request AM REV 0140 concerning revision of the approved methodology AM0062 to extend the applicability of the methodology to project activities that implement heat extraction technology in a turbine to supply the recovered heat to the district heating network, along with the retrofit of the steam turbine to improve its efficiency.

(g) Accept request AM REV 0143 and AM REV 0144 concerning revision of the approved methodology ACM0002 respectively; to expand the applicability of the methodology to include refurbishment/replacement of operational units and corresponding calculation of baseline emissions; and to include refurbishment/replacement of facilities affected by negative long term alterations.

(h) Not to accept request AM REV 0148 concerning the revision of the approved methodology AM0060 to modify the procedure for accounting emissions from physical leakage in the initial charge of refrigerant in the new chiller.

Revision of approved methodologies

26. The Board revised the following approved methodologies:

(a) **AM0058:** The revision (i) includes editorial changes to improve the clarity of the project activity definition, i.e., to implement a primary district heating system that uses heat extracted from an existing power plant; and (ii) addresses the issue of potential leakage emissions when the electricity fed to the grid, by the existing power plant, is significantly lower under the project than under the baseline. The revised approved methodology is contained in annex 4 to this report;

(b) **AM0078:** The revision clarifies the applicability of the approved methodology AM0078 to allow any kind of combustion or thermal destruction equipment as long as their use do not generate other greenhouse gases, including non-Kyoto gases. The revision also includes editorial changes in the data and parameters not monitored section. The revised approved methodology is contained in annex 5 to this report;

(c) **ACM0001:** The revision is to allow only the option of continuous measurement of methane content of the landfill gas. Further, definition of "continuous monitoring system" was added to the methodology. The revised approved methodology is contained in annex 6 to this report;

(d) **ACM0002:** The revision expands the applicability of the methodology to project activities that retrofit or replace renewable energy power generation units, to restore the installed power generation capacity to or above its original level. This revision includes (i) the required provisions in the definitions, baseline identification and baseline emissions sections, in order to allow these types of project activities, and, (ii) editorial changes in the project emissions section in order to improve the overall clarity of the approved methodology. The revised approved methodology is contained in annex 7 to this report;

(e) **ACM0009:** The editorial revision includes the procedure to determine the baseline emission factor in case start-up fuel is used in the fuel-mix of baseline fuels. The revised procedure excludes the start-up fuel from the list of multiple fuels being used in the baseline scenario to calculate baseline emission factor and the baseline net calorific value. The revised approved methodology is contained in annex 8 to this report;

(f) **ACM0014:** The editorial revision corrects parameters and units in equation 15, 16, 17 and 18. The revised approved methodology is contained in annex 9 to this report;



27. The revised versions of the methodologies referred to in the paragraphs above will come into effect on 11 June 2009, 24:00 GMT, in accordance with the procedure for the revision of approved methodologies.

General guidance

28. The Board agreed to postpone its consideration of guidance on the barrier "first-of-its-kind" to its forty-ninth meeting since no progress on the issue was made during the informal consultations of group of Board members, who were assigned the responsibility as per the decision of Board's forty-sixth meeting. The Board has requested secretariat to make a new proposal and present to the forty-ninth meeting of the Board, based upon the inputs received from various Board members, who have been assigned the responsibility to discuss this issue.

29. The Board agreed to postpone its consideration of guidance on the common practice analysis to its forty-ninth meeting since no progress on the issue was made during the informal consultations of group of Board members, who were assigned the responsibility as per the decision of Board's forty-sixth meeting. The Board has requested secretariat to make a new proposal and present to the forty-ninth meeting of the Board, based upon the inputs received from various Board members, who have been assigned the responsibility to discuss this issue.

30. The Board discussed the proposal for the enhanced barrier test and an assessment of approved methodologies and registered project activities and agreed to first gain experience with the recommendation made by the Meth Panel to the Board at its forty-third meeting before this issue is to be considered at the Board.

31. The Board considered the recommendation of the Meth Panel on various options to be used for determination the plant load factor of wind power plants and requested the secretariat to redraft the proposal for its consideration at a future meeting.

32. The Board approved the "Tool to determine the mass flow of a greenhouse gas in a gaseous stream" as contained in [annex 10](#) to this report. The mass flow of a particular greenhouse gas is calculated based on the measurements of (i) the total volume or mass flow of the gas stream and (ii) the volumetric fraction of the gas in the gas stream. The volume flow, mass flow and volumetric fraction may be measured on a dry basis or wet basis. The tool covers most possible measurement combinations, providing eight different options to determine the mass flow of a particular gas. Typical applications of this tool are methodologies where the flow and composition of residual or flared gases or exhaust gases are measured for the determination of baseline or project emissions. Following the approval of the tool, the Board requests the revision of relevant approved methodologies with the view of incorporating the application of the new tool.

33. Following the request by CMP (paragraph 35 of decision to 2/CMP.4), the Board considered a preliminary analysis of methodologies which have no / low use in the project activities that the secretariat has conducted and agreed to further consider the issue at its forty-ninth meeting, along with the analysis from the secretariat, in consultation with the Meth Panel and working groups, including the following:

- (a) Analysis of reasons for delay in consideration process of large scale, small-scale and A/R methodologies;
- (b) Time spent for consideration process by panel and working groups, and the Board;
- (c) Broad assessment of potential impact of approved methodologies on emission reduction based on registered cases and projects under validation;



- (d) Key priority emission sectors and type of project activities for which no or very few methodologies are available taking into account the regional distribution;
- (e) Concrete actions for the improvement in the process of methodology consideration and for prioritizing the work of the panel and working groups. The Board also provided the mandate to secretariat to launch a public call to analyze the reasons for low/no usage of the approved methodologies.
34. The Board reiterated that the work of the Meth Panel and other panels and working group should fully take into account the laws, regulations, policies, standards and guidelines that apply in the host countries, as requested in paragraph 39 of decision 2/CMP.4.
35. The Board considered the inputs submitted for the call for public inputs on "Tool to determine the baseline efficiency of thermal or electric energy generation systems", launched between the period starting 18 February 2009 and ending 31 March 2009. The Board requested the Meth Panel to submit a revised tool taking into account the public inputs for consideration of its forty-ninth meeting.
36. The Board considered (a) the draft terms of reference (ToR) to assess the implications of the possible inclusion of Carbon Capture and Storage (CCS) in geological formations as CDM project activities prepared by the groups of members; (b) the draft document on the process for the selection of the CCS experts; (c) the list of experts that have applied to the call for experts on CCS. The Board agreed to the proposed ToR, as contained in [annex 11](#) to this report and selected the experts for this assignment using the proposed process for the selection.
37. The Board took note of the oral report of the secretariat on energy efficiency work.

Further schedule

38. The Board took note that the thirty-ninth meeting of the panel will be held from 22 to 26 June 2009, as per annex 66 of the forty-sixth meeting of the Board.
39. The Board took note that the deadline for submission of requests for revision and requests for clarification to be considered at the thirty-ninth meeting to be held from 22 to 26 June 2009 was 11 May 2009, and the deadline for submission of requests for revision and requests for clarification to be considered at the fortieth meeting to be held from 14 to 18 September 2009 shall be 3 August 2009, 24:00 GMT.

Agenda sub-item 3 (c): Issues relating to CDM afforestation and reforestation project activities

40. The Board took note of the report on the work of the twenty-fourth meeting of the Afforestation/Reforestation Working Group (A/R WG) and an oral report by its Chair, Mr. José Domingos Miguez, on the work of the group.

Responses to requests for clarifications

41. The Board took note of the response to request for clarification provided by the A/R WG on the case AR-AM_CLA_0007.

Revision of approved methodologies

42. The Board revised the approved methodology AR-AM0007 "Afforestation and Reforestation of Land Currently Under Agricultural or Pastoral Use", as contained in [annex 12](#) to this report.



43. The Board revised the approved methodology AR-AM0009 "Afforestation or reforestation on degraded land allowing for silvopastoral activities", as contained in [annex 13](#) to this report.

44. The Board revised the approved methodology AR-AMS0004 "Simplified baseline and monitoring methodology for small-scale agroforestry - afforestation and reforestation project activities under the clean development mechanism", as contained in [annex 14](#) to this report.

45. The revised versions of the methodologies referred to in the paragraphs 39, 40 and 41 above will come into effect on 11 June, 2009, 24:00 GMT, in accordance with the procedure for the revision of approved methodologies.

General guidance

46. The Board approved a new small-scale A/R methodology for A/R CDM project activities AR-AMS0006: "Simplified baseline and monitoring methodology for small-scale silvopastoral - afforestation and reforestation project activities under the clean development mechanism", as contained in [annex 15](#) to this report and linked it to the sectoral scope 14.

47. With reference of the request by CMP to assess the implications of the possible inclusion of lands with forests in exhaustion as A/R CDM project activities, taking into account technical, methodological and legal issues, and report back to CMP5 (2/CMP.4, paragraph 42), the Board agreed to terms of reference, as contained in [annex 16](#) to this report.

48. The Board took note that the A/R WG considered the practical application of the CMP.4 decision "Further Guidance Relating to the CDM" and discussed various proposals for improvement of the process of consideration of methodological issues, aiming at improving quality of and consistency among approved methodologies and enhancing efficiency of the group. The A/R WG requested that the Board might wish to note the following:

- (a) A/R CDM methodologies that are too generic and try to cover a very wide range of circumstances may lead to too much complexity for practical application. In the A/R context, simplicity may be best achieved by customized methodologies, that deal with narrower but common circumstances potentially applicable over large areas;
- (b) Further development of a modular approach to A/R methodologies is expected to simplify their application in project-specific circumstances;
- (c) User-friendliness of the approved methodologies and tools is expected to be increased if they are implemented as software, including the possibility for simple entry of data and selection of values for default parameters;
- (d) In order to get inputs on difficulties in application, or reasons for non-application of the methodologies, feedback should be sought (using questionnaires) from project proponents that have proposed methodologies which have been approved by the Board, and also from those known to be attempting to apply the approved methodologies, and other relevant stakeholders (DNAs, DOEs);
- (e) The A/R WG shall continue its efforts to facilitate application of the approved methodologies and tools and make them more user-friendly, and revise them as appropriate;
- (f) In the context of regional and sub-regional CDM project activity distribution and capacity-building, the A/R WG welcomes the opportunity to take part in A/R CDM capacity-building activities.



49. The Board requested the secretariat to get inputs on difficulties in application, or reasons for non-application of the methodologies. The feedback should be sought (using questionnaires) from project participants that have proposed methodologies which have been approved by the Board, and also from those known to be attempting to apply the approved methodologies, and other relevant stakeholders (e.g. DNAs, DOEs). The Board further requested the secretariat to compile the inputs and present them for consideration by the Board at its forty-ninth meeting.

Further schedule

50. The Board took note that the twenty-fifth meeting of the A/R WG will be held from 21 to 23 September 2009, as per annex 66 of the forty-sixth meeting of the Board.

51. The Board reminded project participants that the deadline for consideration of requests for revision and requests for clarification of A/R methodologies at the twenty-fifth meeting is 18 August 2009.

52. The Board reminded project participants that the deadline for the twenty-second round of submissions of proposed new A/R methodologies is 15 June 2009. The Board also reminded project participants that new baseline and monitoring methodologies could be submitted at any time prior to this deadline.

Agenda sub-item 3 (d): Issues relating to small-scale CDM project activities

53. The Board took note of the report on the work of the twentieth meeting of the working group to assist the Board in reviewing proposed methodologies for small-scale CDM project activities and of an oral report by its Vice-Chair, Mr. Peer Stiansen, on the work of the group.

Case specific

54. The Board approved a new small-scale methodology "AMS-III.AA Transportation Energy Efficiency Activities using Retrofit Technologies" assigned to sectoral scope 07 as contained in [annex 17](#) of this report. The methodology is for engine retrofit of vehicles for higher fuel efficiency in commercial passenger transport (e.g., direct in cylinder fuel injection to substitute carburetted fuel supply in tricycle taxis).

55. The Board approved a new small-scale methodology "AMS-III.AB Avoidance of HFC emissions in Standalone Commercial Refrigeration Cabinets" assigned to sectoral scope 11 as contained in [annex 18](#) of this report. The methodology is for avoiding fugitive HFC-134a refrigerant emissions during manufacturing, usage, servicing and disposal of commercial stand-alone freezers (e.g., those used in storage and vending of ice cream).

56. The Board approved a new small-scale methodology "AMS-III.AC Electricity and/or heat generation using fuel cell" assigned to sectoral scope 05 as contained in [annex 19](#) of this report. The methodology is for electricity and/or heat generation using fuel cell technology with natural gas as feedstock. The energy generated will be supplied to existing or new users/facilities to displace more carbon intensive fossil fuel that would have been used in the baseline. The methodology is also applicable to export of electricity to the grid and the simplified methodology includes three options to calculate grid emission factor (e.g. combined margin, build margin).

57. The Board approved a new small-scale methodology "AMS-III.AD Emission reductions in hydraulic lime production" assigned to sectoral scope 04 as contained in [annex 20](#) of this report. The methodology is for alternative hydraulic lime production utilising non-calcined mineral components and additives.



58. The Board considered the new small-scale methodology "AMS-II.K Industrial process optimization for energy efficiency and electricity generation" recommended by the SSC WG and agreed not to approve the methodology. The proposed methodology does not adequately capture baseline and project emissions associated with the complex industrial process to which the methodology is applicable. The Board was of the opinion a simplified small scale methodology may not provide the right framework for the kind of technology/measure being addressed by the methodology.

59. The Board considered a new small-scale methodology "AMS-III.AE Shift from high carbon intensive fuel mix ratio to low carbon intensive fuel mix ratio" and requested the SSC WG to further clarify the procedures for baseline scenario selection particularly for greenfield project activities, taking into account inputs from Methodologies Panel if required and make a new recommendation to the Board.

60. The Board considered a new small-scale methodology "AMS-III.AF Switching from high carbon intensive grid electricity to low carbon intensive fossil fuels" and requested the SSC WG to further clarify the procedures for baseline scenario selection particularly for greenfield project activities, taking into account inputs from Methodologies Panel if required and make a new recommendation to the Board.

61. The Board considered three requests for deviation from approved small-scale methodologies related to project activities undergoing validation, agreed to answer them, and requested the secretariat to inform the DOEs accordingly.

Revisions of approved methodologies

62. The Board agreed to the revised approved small-scale methodologies:

(a) "AMS II.J Demand-side activities for efficient lighting technologies", to include inter alia (a) Broader range of eligible incandescent and CFL Wattages to expand the applicability of the methodology; (b) Deletion of cross effect calculations and baseline penetration assessment for PoAs (c) Provisions to use results of ex post surveys to correct CFL attrition rates for more accurate estimation of emission reductions, as contained in [annex 21](#) of this report;

(b) "AMS-II.C Demand-side energy efficiency activities for specific technologies", to maintain consistency between AMS-II.J and AMS-II.C (e.g., in the consideration of leakages such as cross effects and baseline penetration), as contained in [annex 22](#) of this report.

(c) "AMS-III.B Switching fossil fuels", to broaden its applicability (e.g., to cases involving multiple elemental processes using different fuels in the baseline shifting to single fuel use in the project). The revisions are contained in [annex 23](#) of this report;

(d) "AMS III.F Avoidance of methane emissions through controlled biological treatment of biomass", to provide more guidance regarding the calculation of project emissions from the compost taking into account specific characteristics of the composting technology/measure employed, as contained in [annex 24](#) of this report;

(e) "AMS-III.Z Fuel Switch, process improvement and energy efficiency in brick manufacture", to clarify the requirements to establish the comparability of level of service (e.g., comparability of compressive strength) of baseline bricks and the project bricks, as contained in [annex 25](#) of this report;

(f) "AMS-III.H Methane recovery in wastewater treatment ", to include additional guidance on use of methane generation potential based on Biochemical Oxygen Demand (BOD_{5,20}), as contained in [annex 26](#) of this report;



63. The revised versions of the SSC methodologies referred to in the paragraph above will come into effect on 11 June 2009, 24:00 GMT in accordance with the procedure for the revision of approved SSC methodologies.

General guidance

64. The Board considered a proposal by the SSC WG on general guidelines on sampling and surveys as contained in [annex 27](#) and agreed to open a call for public inputs inviting suggestions to enhance the practical application and user friendliness of the draft document starting from 1 June 2009 ending by 1 July 2009. It requested that SSC WG at its twenty second meeting shall make a recommendation for the revised draft taking into account the public inputs for the consideration of the Board at its fiftieth meeting.

65. The Board revised the "General guidance on leakage in biomass project activities", as contained in [annex 28](#) to clarify that assessment of surplus availability of biomass shall be done ex ante once at the beginning of each crediting period.

66. The Board considered providing guidance to the SSC WG concerning CMP.4 request (paragraph 43) on exploring the use of default emission factors for small-scale end-user energy efficiency methodologies, where appropriate and agreed that the 'default emission factor' in this context can be considered as 'default operating parameter'.

67. The Board agreed to postpone the consideration of the issue of providing guidance to the SSC WG with regard to further work in defining the consideration of baseline penetration in small scale methodologies to its forty-ninth meeting.

68. The Board agreed to request the secretariat to organise one day workshop prior to or following an SSC WG meeting (preferably SSC WG 22) aimed at better understanding of the methodological constraints for the application of small scale end use energy efficiency methodologies and methodologies for saving of non renewable biomass.

Further schedule

69. The Board may wish to take note that the twenty-first meeting of the SSC WG will be held from 16 to 19 June 2009, as per annex 66 of the forty-sixth meeting of the Board.

Agenda sub-item 3 (d): Matters relating to programme of activities

70. With regard to the work on programme of activities (POA) the Board agreed to adopt:

- (a) "Procedures for registration of a programme of activities (PoA) as a single CDM project activity and issuance of certified emission reductions for a programme of activities" (version 03), as contained in [annex 29](#) to this report ;
- (b) "Procedures for review of erroneous inclusion of a CPA" (version 01), as contained in [annex 30](#) to this report ;
- (c) "Procedures for approval of the application of multiple methodologies to a programme of activities" (version 01), as contained in [annex 31](#) to this report
- (d) "Guidelines on the de-bundling for SSC project activities" (version 02), as contained in [annex 32](#) to this report .

71. The Board requested the secretariat to update the relevant PDD forms, the Glossary of CDM terms, and publish any necessary forms pursuant to the procedures in paragraph 70 above.



72. The Board decided to grant an exemption to paragraph 5(d) of the "Procedures for registration of a programme of activities as a single CDM project activity and issuance of certified emission reductions for a programme of activities" to programmes of activities which have commenced validation prior to 31 December 2009. Therefore such programmes may include CPAs with a starting date between 22 June 2007 and the commencement of validation of the PoA, if a list of such specific CPAs is provided to validating DOE and UNFCCC secretariat prior to 31 January 2010.

73. The Board, noting that in the context of programmes of activities that additionality is to be demonstrated either at the PoA level or at CPA level, requested the secretariat to prepare a guideline on the demonstration of additionality in the context of PoAs to be considered at a future meeting.

Agenda sub-item 3 (e): Matters relating to the registration of CDM project activities

74. The Board took note that 1643 CDM project activities have been registered by 28 May 2009. The status of requests for registration of project activities can be viewed on the UNFCCC CDM website at <http://cdm.unfccc.int/Projects/>.

Case specific

75. In accordance with the procedures for review as referred to in paragraph 41 of the CDM modalities and procedures, the Board considered a request for review of 28 requests for registration.

76. The Board agreed to register with corrections the project activities:

(a) "1.725 MW Mini Hydel Scheme on Nagavali River, Andhra Pradesh, India" (1566) if the project participants and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding:

- (i) Start date of the project activity; and
- (ii) Tariff structure for the project activity.

(b) "Jiangsu Rudong Biomass Power Generation Project" (2230) if the project participants and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding the sensitivity analysis and the baseline. The PP/DOE should also submit a revised spreadsheet that clearly shows the biomass price as part of the operating costs;

(c) "Perdigão Sustainable Swine Production 01 – Methane capture and combustion" (2249) if the project participants and DOE (DNV) submit a revised PDD and the corresponding validation report, which:

- (i) Incorporate the additional information submitted in response to the request for review regarding the validity of the baseline scenario for all farms and the monitoring of fossil fuel consumption (i.e. that in case of an electricity supply failure, there are no provisions in the system to supply energy from a fossil fuel-based equipment, resulting in less methane flared); and
- (ii) Further confirms in section B.7 of the PDD that each parameter required by the methodology will be monitored for each individual farm included in the project activity.

(d) "Abidjan Municipal Solid Waste-To-Energy Project" (2250) if the project participants and DOE (TUV-SUD) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding estimation



of project emissions from anaerobic digestion stacks and monitoring of parameters for determination of project emissions from anaerobic digestion stacks;

(e) “Siliping Small-Scale Hydro Power Project” (2255) if the project participants and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding the validation of the prior consideration of the CDM of the project activity;

(f) “Forestal y Papelera Concepción Biomass Residues Cogeneration Plant in Chile” (2264) if the project participants and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate:

(i) The information submitted in response to the request for review, regarding start date of the project activity, barrier analysis, common practice analysis, and suitability of the NCV of mix biomass; and

(ii) Revised monitoring plan, which monitor the NCV of biomass residues at reputed laboratory and according to the relevant international standards as required.

(g) “Federal Intertrade Hong-Ru River Solar Cooker Project” (2311) if the project participants and DOE (TÜV-Rhein) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding how the thermal efficiency of the coal-fired stoves complies with paragraph 13 of AMS-IC (version 12);

(h) “14 MW Wind Power Project in Maharashtra” (2342) if the project participants and DOE (TÜV-NORD) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding the IRR benchmark, equity IRR, project start date, the CDM consideration and de-bundling;

(i) “Kabil II 11.4 MW Gas Fired Project” (2346) if the project participants and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which:

(i) Incorporate the information submitted in response to the request for review, regarding; the validation of the benchmark, input values to the investment analysis, common practice analysis, suitability of the input values of the coal based alternative; and

(ii) Provide a corrected spreadsheet for the levelized cost for baseline alternatives using values consistent with the response provided since there are differences in capex, opex and efficiency values between the spreadsheets submitted and the DOEs answer.

(j) “Phu Mau hydropower project” (2367) if the project participants and DOE (KEMCO) submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review, regarding:

(i) The actions taken by the PP to secure the CDM status;

(ii) The validation of the input values to the investment analysis; and

(iii) The barrier analysis and the sensitivity analysis with respect to the electricity tariff.



- (k) “5.1 MW bundled Wind Power Project in Tirunelveli (Tamil Nadu)” (2370) if the project participants and DOE (TUV-NORD) submit a further revised PDD and the corresponding validation report, which further confirms:
- (i) Whether the IRR would cross the benchmark if a sensitivity analysis is conducted with respect to both the tariff and investment cost; and
 - (ii) The probability of the occurrence of the assumed variations of the parameters in the context of the project activity.
- (l) “Muong Sang hydropower project” (2371) if the project participants and DOE (KEMCO) submit a revised PDD and the corresponding validation report which:
- (i) Incorporate the information submitted in response to the request for review, regarding:
 - (i) The suitability of the inflation rate applied to the O&M costs, at the same time that the tariff is fixed throughout the 30-year period;
 - (ii) The applicability of the chosen benchmark to the project activity;
 - (iii) The sensitivity analysis; and
 - (ii) Further confirms whether the tariff is fixed throughout the 30-year period.
- (m) “10 MW Bhavani Barrage-1 Small Hydroelectric Project for a Grid connected system, Tamil Nadu, India” (2415) if the DOE (TUV-Nord) submits a revised PDD and the corresponding validation report which incorporate the information submitted in the response to the request for review regarding the validation of the input values and the plant load factor (PLF) and removes the argumentation on prevailing practice barrier;
77. After the submission of the specified documentation, the secretariat, in consultation with the Chair of the Board, will check the revised documentation before the activity is displayed as registered.
78. The Board agreed to undertake a review of the project activity:
- (a) “Inner Mongolia Erlianhaote Phase I Wind Farm Project” (1662) submitted for registration by the DOE (BVC) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 33](#) to this report;
 - (b) “Guohua Tongliao Kezuo Zhongqi Phase II 49.5 MW Wind Farm Project” (1825) submitted for registration by the DOE (BVC) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 34](#) to this report;
 - (c) “Santa Rosa Hydropower Plant Project” (2101) submitted for registration by the DOE (DNV) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 35](#) to this report;¹
 - (d) “The Blended Cement project utilizing the additives to decrease the clinker content in Shanxi Guashan Cement” (2226) submitted for registration by the DOE (JQA) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 36](#) to this report;
 - (e) “Yunnan Yingjiang Mangya River 2nd Hydropower Station” (2238) submitted for registration by the DOE (DNV) and that the scope of this review is relating to issues associated



with validation requirements, as contained in [annex 37](#) to this report;²

(f) “Rural Education for Development Society (REDS) CDM Photovoltaic Lighting Project” (2279) submitted for registration by the DOE (DNV) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 38](#) to this report;³

(g) “Displacement of the electricity of the national electric grid by the auto-generation of renewable energy in the Cañaveralejo Wastewater Treatment Plant of EMCALI in Cali, Colombia” (2285) submitted for registration by the DOE (RINA) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 39](#) to this report;⁴

(h) “Yichun xiaochengshan wind power Project” (2312) submitted for registration by the DOE (DNV) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 40](#) to this report;⁵

(i) “Introduction of the recovery and combustion of methane in the existing sludge treatment system of the Cañaveralejo Wastewater Treatment Plant of EMCALI in Cali, Colombia” (2341) submitted for registration by the DOE (RINA) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 41](#) to this report;⁶

(j) “Zhumadian Zhongyuan Gas-Steam Combined Cycle Power Project in Henan China” (2344) submitted for registration by the DOE (TÜV-SÜD) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 42](#) to this report;⁷

(k) “7.5 MW Bundled Small Hydropower Project in Qiandongnan Autonomous Region, Guizhou Province, P.R. China” (2359) submitted for registration by the DOE (JACO) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 43](#) to this report;⁸

(l) “Monjolinho Energética S.A.’s CDM Project” (2362) submitted for registration by the DOE (BVC) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 44](#) to this report;⁹

(m) “Ningxia Yinchuan No. 1 Natural Gas Cogeneration Project” (2373) submitted for registration by the DOE (JQA) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 45](#) to this report;¹⁰

(n) “Energy Efficiency Measures at Desalination Plant in Chennai” (2411) submitted for registration by the DOE (SGS) and that the scope of this review is relating to issues associated with validation requirements, as contained in [annex 46](#) to this report;¹¹

79. The Board agreed on the nomination of the members of the review teams for the above. The review teams may call on outside expertise in consultation with the Chair of the Board, as appropriate.

80. The Board took note that, in response to the request for review of project activity “China Changtanghe Rundle Small Hydropower Project” (2176) submitted for registration by the DOE (TÜV-SÜD), the DOE has submitted a revised validation report containing a negative validation opinion. The Board therefore considered the request for registration to be withdrawn.

81. In accordance with the procedures for review as referred to in paragraph 41 of the CDM modalities and procedures, the Board considered the recommendations of the review teams for 31 of the project activities which were placed “Under review” at the forty-sixth meeting of the Board.



82. In accordance with paragraphs 17 and 18(b) of the procedures mentioned in paragraph 81, the Board agreed to register, subject to satisfactory corrections, the project activities:

- (a) “Fujian Zhouning Qianping Hydropower Project” (1752) if the project participant and DOE (BVC) submit a revised PDD and the corresponding validation report which incorporate the response submitted in response to the review team's questions regarding suitability of the applied tariff in the investment analysis;
- (b) “Heilongjiang Fujin Phase II 18MW Wind Power Project ” (1866) if the project participant and DOE (BVC) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power, i.e. it should be confirmed that the return on investment has not been substantially lowered as a result of the reduction in the tariff;
- (c) “Yuquan 16 MW Hydro-electric Power Station Project” (2002) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report, which:
 - (i) Incorporate the additional information regarding how the tariff in the FSR and the tariff used in the PDD were determined and further confirm that the tariff used in the PDD is higher than or equal to the tariffs of similar hydropower projects exporting electricity to the same grid, which commenced since 2002 ; and
 - (ii) Incorporate the additional information regarding the common practice analysis.
- (d) “Guangxi Zhuang Autonomous Region Wuzhou Wangcun Hydropower Station” (2004) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report, which:
 - (i) Include the additional information submitted in response to the review team’s questions regarding the basis for the increase in the land requisition compensation cost and that this information was available at the project start date (30 November 2006); and
 - (ii) Further clarify that the regulations submitted in order to confirm that the construction of the boat gate is mandatory are applicable to the project activity and explain that the two similar activities which paid for the boat gate are comparable to the project activity.
- (e) “Inner Mongolia Siziwangqi Bayin’aobao Wind Power Project ” (2053) if the project participant and DOE (DNV) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power, i.e. it should be confirmed that the return on investment has not been substantially lowered as a result of the reduction in the tariff;
- (f) “Heilongjiang Yilan Hezuolinchang Wind Power Project” (2062) if the project participant and DOE (DNV) can confirm:
 - (i) That the tariff used in the PDD is in line with the “Power Purchase Agreement” signed with the grid company and/or with actual invoices (should the project be already operational), as this was only mentioned in the PP’s response;
 - (ii) That the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power generation, i.e. it should be confirmed that, excluding the CDM revenues, the return on investment has not been substantially lowered as a result of the reduction in the



tariffs resulted from the tendering process; and

(iii) Which type of investment analysis is conducted in the FSR preparation (i.e. “project IRR” or “equity IRR”) and whether the benchmark applied is applicable to the “project IRR” presented in the PDD.

(g) “Yunnan Jinping Miao-Yao-Dai Autonomous County Kesikou Hydropower Station” (2064) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report, which incorporate responses submitted in response to the review team’s questions;

(h) “Inner Mongolia Bayannaer Chuanjingsumu Wind Power Project” (2099) if the project participant and DOE (DNV) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power generation, i.e. it should be confirmed that, excluding the CDM revenues, the return on investment has not been substantially lowered as a result of the reduction in the tariffs resulted from the tendering process;

(i) “Yunnan Lianghe Hulukou Hydropower Station” (2106) if the project participant and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information provided in the response to the review and validation by the DOE of the explanation by the project participant that the appropriate tariff for hydropower plants would be 0.158 Yuan RMB/kWh based on the grid price notice of December 2003, which was available at the time of the preparation of the FSR;

If the tariff cannot be further substantiated the Board will not be able to register the project activity as neither the tariff used in the investment analysis (0.1375 RMB/kWh) nor the effective coefficient of electricity are considered suitable in the context of the project activity and the IRR would cross the benchmark of 10% when the tariff of 0.175 RMB/kWh used in the FSR and a 100% coefficient of effective electricity supply are applied to the investment analysis;

(j) “Lijiang Wulanghe Secondary Hydropower Project” (2114) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which incorporate the response submitted in response to the review team's questions regarding the determination and suitability of the tariff assumed in the investment analysis;

(k) “Nanning Shizuo Non-Carbonated Raw Material for Cement Production Renovation Project” (2143) if the DOE (DNV) submits a revised Validation Report which:

(i) Provides further justification on how the DOE has cross-checked the suitability of the input values as EB 38 paragraph 54(c) guidance, in particularly the investment requirements for raw materials switching and the cost of CCR applied; and

(ii) Further substantiates the validity of the CCR transportation cost agreement between the CCR producer and the project participant.

(l) “Sichuan Baishuijiang Shuanghe Hydro Power Project” (2155) if the project participant and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information provided in response to the review team’s questions regarding the validation of the transmission networks costs. The issue related to the effective coefficient of electricity is considered to be addressed as the project IRR does not cross the benchmark with an effective power coefficient of 1;



- (m) “Fujian Shouning Xiadongxi 25MW Hydropower Project” (2156) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which incorporate the response submitted in response to the review team's questions regarding the determination and suitability of the tariff assumed in the investment analysis;
- (n) “Rialma Companhia Energética III S/A. – Santa Edwiges III Small Hydro Power Plant – Small Scale CDM Project” (2165) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which incorporate the information provided in the response to the review regarding the assessment of the investment analysis for tariff and total investment;
- (o) “Waixiong Hydropower plant project” (2171) if the project participant and DOE (TÜV-NORD) submit a revised PDD and the corresponding validation report which:
- (i) Substantiate that a benchmark of 10% would be applicable to the project activity, particularly in light of CAR B4 of the Validation Report which specifically required the application of an 8% benchmark to assess the additionality; and
 - (ii) Further explain the data related to the output of the similar plants, as the Board is unclear how the quantities of electricity can be generated and neither consumed nor exported.
 - (iii) If the benchmark and the coefficient cannot be further substantiated the Board will not be able to register the project activity as the IRR without the assumed gap between total generation and net export to the grid crosses the current 8% benchmark used in the request for registration.
- (p) “Hebei Wanquan Yulong Wind Power Project ” (2205) if the project participant and DOE (TÜV-SÜD) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power, i.e. it should be confirmed that the return on investment has not been substantially lowered as a result of the reduction in the tariff;
- (q) “Guohua Tongliao Kezuo Zhongqi Phase I 49.5 MW Wind Farm Project” (2216) if the project participant and DOE (DNV) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power generation, i.e. it should be confirmed that, excluding the CDM revenues, the return on investment has not been substantially lowered as a result of the reduction in the tariffs resulted from the tendering process;
- (r) “Liaoning Changtu Quantou Wind Power Project” (2219) if the project participant and DOE (DNV) can confirm that the reductions in applicable tariffs between 2002 and the start date of the project activity have not resulted in a reduction of the incentive for investment in the wind power generation, i.e. it should be confirmed that, excluding the CDM revenues, the return on investment has not been substantially lowered as a result of the reduction in the tariffs resulted from the tendering process;
- (s) “Surac Bagasse Plant Project” (2231) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which incorporate the information provided in the response to the review, regarding:
- (i) The additionality of the project activity;



- (ii) The applicability of the methodology, in particular the accounting and monitoring of leakage and the use of a coal-based boiler.
 - (t) “Catalytic N₂O Abatement Project in the tail gas of the Caprolactam production plant in Thailand” (2232) if the project participant and DOE (DNV) submit a revised PDD and the corresponding validation report which incorporate the information provided to the response for review regarding the design capacity and average number of operation days per year;
 - (u) “Thermal energy from biomass at Mohota Mills” (2233) if the project participant and DOE (TÜV-NORD) submit a revised PDD and the corresponding validation report which demonstrate the additionality only on prevailing practice;
 - (v) “INPA Fuel Switch Project” (2319) if the project participant and DOE (DNV) submit a revised PDD and the corresponding validation report which include the information submitted in response to the review team’s questions on:
 - (i) Suitability of the NPV analysis to the project activity;
 - (ii) Suitability of the assumed price of fuel oil and biomass;
 - (iii) Unlikely that the price of fuel oil increases by 4% and that price of biomass decreases by 4%.
 - (w) “Anaerobic digestion at Armenis Farm Ltd., Cyprus” (2334) if the project participant and DOE (TÜV-SÜD) submit a revised PDD and the corresponding validation report which incorporate the additional information submitted in response to the review team’s questions.
83. In accordance with paragraphs 17 and 18 (c) of the procedures mentioned in paragraph 81 , the Board could not register the following project activities:
- (a) “Zilenghe 24 MW Hydropower Project in Yunnan Province” (2164) submitted for registration by the DOE (TÜV-NORD) because the DOE and the project participant failed to substantiate the additionality of the project activity due to insufficient evidence to support the assumption of a 25% gap between electricity generation and supply to the grid and its applicability to the investment analysis. The Board further noted that the investment analysis was changed at the under review stage without explanation;
 - (b) “Sichuan Yanyuan Yongning River Hydropower Station” (2190) submitted for registration by the DOE (DNV) because the DOE and the project participant failed to substantiate the additionality of the project activity due the insufficient evidence to substantiate:
 - (i) The cessation of construction of the 25 MW hydropower plant;
 - (ii) The restart of construction with an increased plant capacity of 50 MW;
 - (iii) That the continuation of a 25 MW power plant alternative was not a more attractive alternative;
 - (iv) The use of a residual value of 0;
 - (v) The use of a coefficient of effective electricity of 0.9; and
 - (vi) That the project activity represents a less economically attractive alternative to supplying electricity to the grid than the baseline alternative.



(c) “Dalian Tuchengzi Wind Power Project 30 MW” (2209) submitted for registration by the DOE (TÜV-SÜD) because the DOE failed to substantiate the additionality of the project activity in particular the accuracy of the assumptions and calculations related to the assumed electrical output of the project activity;

(d) “Santa Cruz S.A. - Açúcar e Álcool - Cogeneration Project” (2211) submitted for registration by the DOE (SGS) because the DOE and the project participant failed to demonstrate the additionality of the project activity through the investment analysis as both the calculation of the benchmark and the sensitivity analysis lacked proper validation from the PP/DOE. In particular:

(i) The DOE neither used its sectoral expertise nor crosschecked the assumptions behind the value of the 4% spread;

(ii) The sensitivity analysis does not rule out the possibility that a 10% increase of the tariff of the electricity sold on the free market causes the IRR to cross the benchmark, especially considering that the PP conservatively estimated the amount of electricity sold on the free market; and

(iii) Reference plants had not been demonstrated to have been conservatively selected as required by the methodology.

(e) “Bromine Compounds Fuel-Switch Project” (2237) submitted for registration by the DOE (SGS) because the DOE and the project participant failed to demonstrate additionality of the project activity, in particular that the barriers due to uncertainty in fuel supply or investment will prevent the implementation of the project activity and the price differential between the HFO and the NG is not the main driver to implement the project activity;

(f) “Dead Sea Magnesium (DSM) Fuel-Switch Project” (2248) submitted for registration by the DOE (SGS) because the DOE and the project participant failed to: (i) substantiate the baseline of the project activity; and (ii) demonstrate additionality of the project activity, in particular that the barriers due to uncertainty in fuel supply or investment will prevent the implementation of the project activity and the price differential between the HFO and the NG is not the main driver to implement the project activity;

(g) “11.4 MW Bundled Small Hydropower Project in Shanjunyan and Liaoli, Guizhou Province, P. R. China” (2251) submitted for registration by the DOE (JACO) because the DOE and the project participant failed to demonstrate additionality of the project activity, in particular that the application of the effective electricity coefficients is specific and suitable to the project activity;

(h) “12.82 MW Bundled Small Hydropower Project in Qiandongnan Autonomous Region, Guizhou Province, P. R. China” (2253) submitted for registration by the DOE (JACO) because the DOE and the project participant failed to demonstrate additionality of the project activity, in particular that the application of the effective electricity coefficient is specific to and suitable for the project activity.

General guidance

84. Due to the time constraints, the Board did not consider the publication of the criteria for decision making during the review process and agreed to discuss this issue at its next meeting.

85. In assessing the ways and means of improving the efficiency of the processing of requests for registration, the Board requested the secretariat to assess the implications of expanding the completeness



checks of new submissions to include a check of compliance with all reporting requirements, and to draft necessary revisions to the relevant procedures for consideration at its forty-eighth meeting.

86. Noting an increase in the number and types of requests for withdrawal of request for registration, the Board requested the secretariat to prepare a draft procedure for withdrawal of requests for registration for consideration at a future meeting.

87. The Board requested the secretariat to prepare a revised version of the "Procedures for Modalities of Communication between Project Participants and the Executive Board" addressing, among others, issues related to withdrawal of project participants due to cease of operations at different stages of the CDM project cycle, conflicting scenarios when project participants are also focal point entities, clarification on additional provisions in LOAs as well as overall improvements to the existing guidance for consideration by the Board as soon as possible.

Agenda sub-item 3 (f): Matters relating to the issuance of CERs and the CDM registry

88. The Board took note that 287,610,139 CERs have been issued as of 28 May 2009 and that the secretariat, in its capacity as the CDM registry administrator, continues to process requests for opening of holding accounts and for forwarding of CERs. The status of requests for issuance of CERs can be viewed on the UNFCCC CDM website at <<http://cdm.unfccc.int/Issuance>>.

Case specific issues

89. In accordance with the procedures for review as referred to in paragraph 65 of the CDM modalities and procedures, the Board considered a request for review of 27 requests for issuance.

90. In accordance with paragraph 10 of these procedures, the Board agreed, subject to a check by the secretariat of the revised documentation and in consultation with the Chair of the Board, to instruct the CDM registry administrator to issue CERs for:

- (a) "Lucélia Bagasse Cogeneration Project (LBCP)" (0043), if the DOE (SGS) submits a revised verification report which incorporate:
 - (i) Confirmation that the supply of the electricity by the project activity to these individual customers comes through connection belonged to the grid company, in order to be in line with the description in the PDD; and
 - (ii) Clarification on how electricity from the project activity to individual customers is being measured and translated into sales receipt.
- (b) "N2O Emission Reduction in Onsan, Republic of Korea" (0099), if the DOE (TÜV-SÜD) submits a revised verification report which includes the clarification on the verification of the adipic acid production submitted in request for review;
- (c) "Hiriya Landfill Project" (0147), if the project participants and the DOE (SGS) submit a revised monitoring report, a corresponding revised verification report and a new request for issuance form, which include:
 - (i) Clarification on the monitoring of methane content provided in response to the request for review and reasons of the difference between readings from the continuous analyser and portable analyser for the months of December 2006 – March 2007;
 - (ii) Clarification on the monitoring of flare efficiency provided in response to the request for review.



- (d) "Nueva Aldea Biomass Power Plant Phase 2" (0346), for the monitoring period 1 October 2007 - 30 September 2008, if the project participants and the DOE (SGS) submit a revised monitoring report, a corresponding revised verification report, revised CER calculation spreadsheet and a new request for issuance form including the explanation regarding the choice of calculating the operating margin and corrected number of CER as submitted in response to the request of review;
- (e) "Passo do Meio, Salto Natal, Pedrinho I, Granada, Ponte and Salto Corgao Small Hydroelectric Power Plants - Brascan Energetica S.A. Project Activity" (0519), if the DOE (BVC) submits a revised verification report that incorporates the clarifications regarding the calibration of an energy meter and verification of electricity data submitted in response to the request for review;
- (f) "Nova Sinceridade Small Hydroelectric Power Plant - Brascan Energética Minas Gerais S.A. (BEMG) Project Activity" (0543), if the DOE (BVC) submits a revised verification report which includes the clarification regarding the meter readings taken by the properly calibrated back-up meter during the period of 27 January 2008 - 08 February 2008, when the main meter was recalibrated;
- (g) "Candelaria Hydroelectric Project" (0604), if the project participants and the DOE (DNV) submit the revised monitoring report including the application of the maximum inaccuracy of the meter to electricity generation for 1 January - 29 November 2007 and the result of calibration of the meter on 29 November 2007 and a corresponding verification report including relevant electricity certificates for the monitoring period and a new request for issuance form indicating correct number of CERs;
- (h) "Perlabi Hydroelectric Project (PHP)" (0614), if the DOE (TÜV-SÜD) submits a new request for issuance form which corresponds to the corrected certified emission reductions by taking into account the metering equipment maximum accuracy limit of 0.5% from the electricity generation in conservative manner;
- (i) "24MW Chayadevi Mini Hydro Power Project in Karnataka, India" (0836), for the monitoring period 01 January 2008 - 30 November 2008, if the DOE (TÜV Nord) submits a revised verification report which includes the verification of the efficiency generator (96%) as stated in the monitoring report;
- (j) "26 MW Biomass (Cogeneration) based Power generation Project activity" (0865), if the revised monitoring report submitted by the DOE (SGS) which includes the corrected typographical error of 3850 tonnes per day indicated as the average cane crushing capacity in the monitoring report is displayed in the UNFCCC CDM website;
- (k) "Yangquan Coal Mine Methane (CMM) Utilization for Power Generation Project, Shanxi Province, China" (0892), if the project participants and the DOE (DNV) submit a revised monitoring report and a correspondingly revised verification report which include the clarification regarding the separate metering and monitoring system for CMM supplied to the project activity, as provided in response to the request for review;
- (l) "Yangquan Coal Mine Methane Advanced Industrial Furnace Utilisation Project" (0902) for the monitoring period 1 June 2007 - 28 April 2008, if the project participants and the DOE (DNV) submit a revised monitoring report and a corresponding revised verification report which include the clarification regarding the separate metering and monitoring system for CMM supplied to the project activity as provided in the response to the request for review;



- (m) "Yangquan Coal Mine Methane Advanced Industrial Furnace Utilisation Project" (0902) for the monitoring period 29 April 2008 - 30 September 2008, if the project participants and the DOE (DNV) submit a revised monitoring report and a corresponding revised verification report which include the clarification regarding the separate metering and monitoring system for CMM supplied to the project activity as provided in the response to the request for review;
- (n) "Huadian Ningxia Ningdong Yangjiayao 45MW Wind-farm Project" (1592) for the monitoring period 01 June 2008 - 31 August 2008, if the project participants and the DOE (TÜV-SÜD) submit a revised monitoring report and a corresponding revised verification including the clarification provided regarding the use of meter M2 and the calculation of magnification factor as provided in response to the request for review.

91. In accordance with the provisions of paragraph 10 of these procedures, referred in paragraph 89 above, the Board agreed to undertake a review of the request for issuance of CERs and to appoint members of the review team for:

- (a) "Vale do Rosário Bagasse Cogeneration (VRBC)" (0199), submitted by the DOE (DNV) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 47](#) to this report;
- (b) "Usinas Itamarati Cogeneration Project" (0211), submitted by the DOE (BVC) for the monitoring period 01 June 2006 - 31 July 2007 and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 48](#) to this report;
- (c) "Usinas Itamarati Cogeneration Project" (0211), submitted by the DOE (BVC) for the monitoring period 01 August 2007 - 31 August 2008 and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 49](#) to this report;
- (d) "Aleo Manali 3 MW Small Hydroelectric Project, Himachal Pradesh, India" (0244), submitted by the DOE (BVC) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 50](#) to this report;
- (e) "Lages Methane Avoidance Project" (0268), submitted by the DOE (DNV) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 51](#) to this report;
- (f) "Reduction in steam consumption in stripper reboilers through process modifications" (0340) submitted by the DOE (SGS) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 52](#) to this report;
- (g) "Repowering Small Hydro Plants (SHP) in the State of Sao Paulo" (0489), submitted by the DOE (BVC) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 53](#) to this report;
- (h) "Santa Lúcia II Small Hydro Plant" (0663) submitted by the DOE (SGS) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 54](#) to this report;
- (i) "RIMA Fuel Switch in Bocaiúva" (0889) submitted by the DOE (SGS) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 55](#) to this report;
- (j) "N2O Emission Reduction in nitric acid plant Paulínia, SP, Brazil" (1011) submitted by the DOE (TÜV-SÜD) and that the scope of this review is relating to issues associated with



verification requirements, as contained in [annex 56](#) to this report;

(k) "Catalytic N₂O destruction project in the tail gas of the nitric acid plant PANNA 3 of Enaex S.A." (1229), submitted by the DOE (TÜV-SÜD) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 57](#) to this report;

(l) "Tianji Group Line 2 N₂O Abatement Project" (1437), submitted by the DOE (DNV) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 58](#) to this report;

(m) "Jinxiang - Golden Elephant Line 1 N₂O Abatement Project" (1455), submitted by the DOE (DNV) and that the scope of this review is relating to issues associated with verification requirements, as contained in [annex 59](#) to this report;

92. The Board agreed on the nomination of the members of the review teams for the above. The review teams may call on outside expertise in consultation with the Chair of the Board, as appropriate.

93. In accordance with the procedures for review as referred to in paragraph 65 of the CDM modalities and procedures, the Board considered the recommendation of the review team for three project activities which were placed "Under review" at the forty-sixth meeting of the Board.

94. The Board agreed to instruct the CDM registry administrator to issue CERs, subject to satisfactory corrections, for:

(a) "N₂O Emission Reduction in Paulínia, SP, Brazil" (0116) for the monitoring period 1 - 18 November 2008, if the project participants and the DOE (TÜV-SÜD) submit a revised monitoring report, a corresponding verification report, and a new request for issuance form, which limits the production of adipic acid in period of 19 November 2007 - 18 November 2008 within 87,308 tonnes of validated installed yearly capacity in accordance with the applied methodology AM0021 version 01.

(b) "Optimization of steam consumption by applying retrofit measures in blow heat recovery system " (0677) for the monitoring period 1 January 2007 - 30 November 2007, if the project participants and the DOE (SGS) submit a revised monitoring report, a corresponding revised verification report, a revised CERs calculation spreadsheet and a new request for issuance form which include the changes in CERs claimed and clarifications provided in response to the review questions.

95. The Board could not approve the request for issuance of CERs for the project activity "Alta Mogiana Bagasse Cogeneration Project (AMBCP)" (0181) for the monitoring period 1 January 2006 - 31 December 2007 submitted by the DOE (SGS), because the installation of a new turbine TG4 in April 2007 and the shift of the electricity generation from TG1, TG2, and TG3 to TG4 to meet the internal electricity consumption is not in accordance with the PDD.

96. In accordance with paragraph 96 of the report of the twenty-eighth meeting of the Executive Board, the Board considered a request from a DOE to be permitted to submit previously rejected request for issuance for the same monitoring period covered by the rejection. The Board decided to permit the re-submission of the request for issuance for "Project for the catalytic reduction of N₂O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")." (1443) submitted by the DOE (DNV) for the monitoring period 1 April 2008 -15 May 2008.



97. The Board considered 14 requests for deviation related to monitoring reports undergoing verification, agreed to answer them and requested the secretariat to inform the DOEs accordingly. The Board also considered one request for deviation which was referred to the Meth Panel for further consideration at EB46, and agreed to inform the DOE on the outcome of this consideration.

General guidance

98. The Board discussed a proposal from the secretariat for "Procedures for Requesting Changes from the project activity as described in the registered Project Design Document" and "Guidelines on assessment of different types of changes from the project activity as described in the registered Project Design Document", agreed in principle on the proposed approach, and requested the secretariat to revise these documents, taking into account views expressed by members with respect to the issues of major and minor changes, for further consideration at its forty-eighth meeting.

99. The Board discussed an assessment by the secretariat related to the calibration requirements required by the methodology and national/local regulations and requested the secretariat to prepare a guideline for complying with these requirements for its consideration at its forty-eighth meeting.

100. The Board clarified that for project activities where the automated monitoring system (AMS) for the measurement of N₂O is subject to compliance with EN14181 as stipulated in the applied methodologies, if the AMS is not QAL 1 certified by an accredited independent party, the DOE shall request for deviation and shall ensure that the measures undertaken by the project participants are appropriate and sufficient quality assurance for the AMS.

101. In assessing the ways and means of improving the efficiency of the processing of requests for issuance, the Board requested the secretariat to assess the implications of expanding the completeness checks of new submissions to include a check of compliance with all reporting requirements, and to draft necessary revisions to the relevant procedures for consideration at its forty-eighth meeting.

102. Noting an increase in the number and types of requests for withdrawal of request for issuance, the Board requested the secretariat to prepare a draft procedure for withdrawal of requests for issuance for consideration at a future meeting.

Agenda item 4. CDM management plan and resources for the work on the CDM

Resources

103. The Board took note of information provided by the secretariat on the status of resources received as reflected in [annex 60](#). It was noted that since forty-sixth meeting of the Board, the CDM has received USD 3,610,264 from share of proceeds generated by 41 projects and USD 3,494,044 as a result of the payment of 129 registration fees. Since 1 January 2009, total revenue received from SOP fees amounts to USD 7.5 million and from registration fees USD 4.97 million. Considering the above income and level of expenditure in 2009, the carry over from 2008 and the revised reserve (USD 45 million), the resources available in 2009 amount to USD 20.7 million.

Agenda item 5. Other matters

Agenda sub-item 5 (a): Requests by CMP to the Board

104. The Board considered the inputs received as a response to the call for inputs on efficiency in the operation of the CDM and opportunities for improvement, as made available on the UNFCCC CDM website, and requested the secretariat to prepare an analysis of these submissions for consideration by the Board at its forty-eighth meeting.



105. The Board took note of the status of the requests made by the CMP (Decision 2/CMP.4) to the Board through a workplan prepared by the secretariat which structures the guidance, mandates, activities and timelines. The Board requested the secretariat to include in the agenda of future meetings the issues contained in this workplan for which work has not yet been initiated and to prepare the required inputs as reflected in it. The Board further agreed to consider the progress made in the implementation of this workplan at its forty-ninth meeting.

Agenda sub-item 5 (b): Transparency matters

106. The Board agreed to the classification and hierarchy framework for decisions of the Board, as contained in [annex 61](#) to this report. The Board noted that this classification and hierarchy of decisions will be applicable to all future decisions and requested the secretariat to classify future decisions of the Board against this framework.

107. The Board further requested the secretariat to adjust the document type definitions published in annex 76 of the forty-fifth meeting report, to ensure that the definitions are in-line with the classification and decision hierarchy. In addition, the Board requested the secretariat to explore the possibility of applying this classification and hierarchy of decisions retroactively and report on their findings to the Board at its forty-ninth meeting.

Agenda sub-item 5 (c): Code of conduct

108. The Board agreed to the code of conduct as contained in [annex 62](#) to this report.

Agenda sub-item 5 (c): Privileges and immunities

109. The Board noted the provisions relating privileges and immunities for individuals serving on constituted bodies under the Kyoto Protocol as addressed by CMP4.

Agenda sub-item 5 (d): Regional distribution

110. The Board considered the inputs received in response to the call for inputs for DNAs on Regional Distribution matters available on the UNFCCC CDM website and requested the secretariat to prepare a draft recommendation to CMP in response to its request to the Board, taking into account these submissions, for consideration for its forty-eighth meeting.

Agenda sub-item 5 (e): Relations with Designated National Authorities

111. The Board took note of the update by the secretariat on the outcome of the seventh meeting of the CDM DNA Forum held on 25 - 26 April 2009 in Bonn, Germany.

Agenda sub-item 5 (f): Relations with Designated Operational and Applicant Entities

112. The Chair of the DOE/AIE Coordination Forum updated the ninth DOE/AIE Coordination Forum meeting, and in response to the question raised by the Board in the last meeting, indicated the timelines and its conditions for completing validation and verification functions by DOEs.

113. The Chair of the DOE/AIE Coordination Forum elaborated the input received from entities for the consideration of the Board, and sought guidance from the Board on the following:

- (a) Guidance on reviewing addititionality at verification /issuance stage;
- (b) Request for clarification on CDM VVM paragraph 204(b), a request for deviation is not suitable if the version of the approved methodology selected by the proposed CDM project activity is no longer valid;



- (c) Possible change of the definition of the starting date of the CDM programme activities;
and
- (d) Start date of programmatic CDM project activities (CPA).

The Chair of the Forum also highlighted some other issues for the consideration of the Board.

114. The Board members responded to the questions raised by the Chair of the DOE/AIE Forum, including timelines of validation and verification and CDM VVM regional workshops. The Board took note of the detailed information provided by the Chair of the Forum and requested to continue sharing such information with the Board.

115. The Chair of the Board thanked Mr. Siddharth Yadav and stressed the need for the forum to also identify possible answers to the questions raised by the Board members, during its next interaction.

Agenda sub-item 5 (g): Relationship with stakeholders, intergovernmental and non-governmental organizations (registered accredited observers)

116. The Board met with registered observers for an informal interaction on the last day of the meeting and agreed to continue with such meetings in the afternoon of the last day of its future meetings, unless otherwise indicated. These meetings are available on webcast.

117. The Board further agreed to continue to meet with the same type of arrangement and to reconsider the issue when necessary. Observers to the forty-eighth meeting of the Executive Board shall have registered with the secretariat by **23 June 2009**. In order to ensure proper security and logistical arrangements, the Board emphasized that this deadline will be strictly enforced by the secretariat.

Agenda sub-item 5 (h): Other business

118. The Board agreed on the provisional agenda for its forty-eighth meeting (14 - 17 July 2009) as contained in [annex 63](#) to this report, with an open session on the 15 - 17 July 2009.

Agenda item 6. Conclusion of the meeting

119. The Chair summarized the main conclusions.

Agenda sub-item 6 (a): Summary of decisions

120. Any decisions taken by the Board shall be made publicly available in accordance with paragraph 17 of the CDM modalities and procedures and with rule 31 of the rules of procedure of the Executive Board.

Agenda sub-item 6 (b): Closure

121. The Chair closed the meeting.

Annexes to the report

Membership issues

Annex 1 - Documents related to conflict of interest

***Methodologies for baselines and monitoring plans***

Annex 2 - AM0080 "Mitigation of greenhouse gases emissions with treatment of wastewater in aerobic wastewater treatment plants" (version 01)

Annex 3 - AM0081 "Flare or vent reduction at coke plants through the conversion of their waste gas into dimethyl ether for use as a fuel" (version 01)

Annex 4 - AM0058 "Introduction of a new primary district heating system" (version 03)

Annex 5 - AM0078 "Point of Use Abatement Device to Reduce SF6 emissions in LCD Manufacturing Operations" (version 01.1)

Annex 6 - ACM0001 "Consolidated baseline and monitoring methodology for landfill gas project activities" (version 11)

Annex 7 - ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources" (version 10)

Annex 8 - ACM0009 "Consolidated baseline and monitoring methodology for fuel switching from coal or petroleum fuel to natural gas" (version 03.2)

Annex 9 - ACM0014 "Mitigation of greenhouse gas emissions from treatment of industrial wastewater" (version 03.1)

Annex 10 - Tool to determine the mass flow of a greenhouse gas in a gaseous stream (version 01)

Annex 11 - Terms of reference to assess the implications of the possible inclusion of Carbon Capture and Storage (CCS) in geological formations as CDM project activities

Issues relating to CDM afforestation and reforestation project activities

Annex 12 - AR-AM0007 "Afforestation and Reforestation of Land Currently Under Agricultural or Pastoral Use" (version 05)

Annex 13 - AR-AM0009 "Afforestation or reforestation on degraded land allowing for silvopastoral activities" (version 04)

Annex 14 - AR-AMS0004 "SSC methodology for small-scale agroforestry - A/R project activities under the CDM" (version 02)

Annex 15 - AR-AMS0006 "Simplified baseline and monitoring methodology for small-scale silvopastoral - A/R project activities under the CDM" (version 01)

Annex 16 - Terms of reference to assess the implications of the possible inclusion of lands with forests in exhaustion as A/R CDM project activities, taking into account technical, methodological and legal issues

Issues relating to small-scale CDM project activities

Annex 17 - AMS-III.AA Transportation Energy Efficiency Activities using Retrofit Technologies" (version 01)

Annex 18 - AMS-III.AB Avoidance of HFC emissions in Standalone Commercial Refrigeration Cabinets (version 01)

Annex 19 - AMS-III.AC Electricity and/or heat generation using fuel cell (version 01)



Annex 20 - AMS-III.AD Emission reductions in hydraulic lime production (version 01)

Annex 21 - AMS II.J Demand-side activities for efficient lighting technologies (version 03)

Annex 22 - AMS-II.C Demand-side energy efficiency activities for specific technologies (version 12)

Annex 23 - AMS-III.B Switching fossil fuels (version 14)

Annex 24 - AMS III.F Avoidance of methane emissions through controlled biological treatment of biomass (version 07)

Annex 25 - AMS-III.Z Fuel Switch, process improvement and energy efficiency in brick manufacture (version 02)

Annex 26 - AMS-III.H Methane recovery in wastewater treatment (version 12)

Annex 27 - Draft general guidelines on Sampling and Surveys

Annex 28 - General guidance on leakage in biomass project activities (version 03)

Matters relating to programme of activities

Annex 29 - "Procedures for registration of a programme of activities (PoA) as a single CDM project activity and issuance of certified emission reductions for a programme of activities" (version 03)

Annex 30 - "Procedures for review of erroneous inclusion of a CPA" (version 01)

Annex 31 - "Procedures for approval of the application of multiple methodologies to a programme of activities" (version 01)

Annex 32 - "Guidelines on the de-bundling for SSC project activities" (version 02)

Matters relating to the registration of CDM project activities

Annex 33 - Scope of review (registration) - Project 1662

Annex 34 - Scope of review (registration) - Project 1825

Annex 35 - Scope of review (registration) - Project 2101

Annex 36 - Scope of review (registration) - Project 2226

Annex 37 - Scope of review (registration) - Project 2238

Annex 38 - Scope of review (registration) - Project 2279

Annex 39 - Scope of review (registration) - Project 2285

Annex 40 - Scope of review (registration) - Project 2312

Annex 41 - Scope of review (registration) - Project 2341

Annex 42 - Scope of review (registration) - Project 2344

Annex 43 - Scope of review (registration) - Project 2359

Annex 44 - Scope of review (registration) - Project 2362

Annex 45 - Scope of review (registration) - Project 2373



Annex 46 - Scope of review (registration) - Project 2411

Matters relating to the issuance of CERs and the CDM registry

Annex 47 - Scope of review (issuance) - Project 0199

Annex 48 - Scope of review (issuance) - Project 0211 (2006-2007)

Annex 49 - Scope of review (issuance) - Project 0211 (2007-2008)

Annex 50 - Scope of review (issuance) - Project 0244

Annex 51 - Scope of review (issuance) - Project 0268

Annex 52 - Scope of review (issuance) - Project 0340

Annex 53 - Scope of review (issuance) - Project 0489

Annex 54 - Scope of review (issuance) - Project 0663

Annex 55 - Scope of review (issuance) - Project 0889

Annex 56 - Scope of review (issuance) - Project 1011

Annex 57 - Scope of review (issuance) - Project 1229

Annex 58 - Scope of review (issuance) - Project 1437

Annex 59 - Scope of review (issuance) - Project 1455

Management plan and resources for the work on the CDM

Annex 60 - Information Note: Status of resources and pledges to support 2009 CDM activities

Other matters

Annex 61 - Information Note: CDM Executive Board decision framework. Decision hierarchy and definitions (version 01)

Annex 62 - Code of conduct of the CDM Executive Board

Annex 63 - Provisional agenda for EB48

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Endnotes

1. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding common practice analysis.
2. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding the justification of the start date of the project activity.
3. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding the determination of the baseline emissions of a kerosene lamp.
4. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding the specific fuel consumption of the biogas and the validation of the emission factor calculation of the grid and the compliance with the requirements of the approved methodology and applicable tools, in particular, the validation of the methodological choices made, the correctness of these choices and the value of the emission factor of the grid.
5. If the Board ultimately decides to register the project activity, the DOE shall submit a revised validation report which incorporate the information submitted in response to the request for review regarding the suitability of other input values.
6. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding the emission reduction calculation.
7. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in response to the request for review regarding the real and continuous actions undertaken to secure the CDM status of project activity and the common practice analysis.
8. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in the response to the request for review regarding the basis for the revised electricity tariff of the Wawadong (II) project and the suitability of the operational hours and O&M costs for the three projects.
9. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the additional information submitted in the response to the request for review regarding the common practice analysis.
10. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the information submitted in the response to the request for review regarding the justification of the start date of the project activity.
11. If the Board ultimately decides to register the project activity, the PP/DOE shall submit a revised PDD and the corresponding validation report which incorporate the additional information submitted in the response to the request for review regarding the prevailing practice barrier and the validation of the energy savings calculations.