

Facesheet

(Tick one) () Project seeking APEC funding Progress Report Evaluation Report
 (Tick one) () Operational Account () TILF Special Account [] Self-Funded Project

Project number: (To be filled by secretariat)		Date received by Secretariat :	Late /Not late <input type="checkbox"/> <input type="checkbox"/>
Name of Committee/Working Group : Energy Working Group			
Title of Project: The contribution to Northeast Asia's Environment by the Development of Clean Coal Technology			
Proposing APEC Member: China			
Cosponsoring APEC members: Japan, South Korea, Russia.			
Project Overseer: Name Title and Organization Dr. Guodong YANG , China Development Research Consulting Center of Coal Industry			
Post address: 21 Hepingli Beijie Dongcheng District Beijing P.R.China		Tel: 0086-10-64463488 Fax: 0086-10-64463495 Email: Yanggd@263.net , Yanggd2000@yahoo.com	
Financial Information	Total cost of proposal (US\$) \$ 50,000	Amount being sought from APEC Central fund (US\$) \$ 48,000	
Type of Project: Survey or analysis and research			
Project start date: Jan 2003		Project end date: March 2004	
Project Purpose: 1.This project is being proposed by APEC member economies in Northeast Asia. Its purpose is to collect basic energy supply and demand statistics in Northeast Asia, mostly that of the coal supply and demand and the impact on the environment within this region. 2.To analyze and predict improvement results on the environmental meteorology within the region after using clean fuel mostly clean coal technology, and prospect the foreground of integrated contribution to economy and environment by replacement of natural gas and oil with clean coal. 3.To facilitate the enhancement of energy security within this region.			
Signature of Project Overseer:			Date:
Signature of Committee Chair/WG Lead Shepherd : Date:			

Ecotech Weightings Matrix

The Contribution to Northeast Asia's Environment by the Development of Clean Coal Technology

Criteria	Supporting Information <i>(indicate paragraph number if details are in the project proposal)</i>	Linkage (1 point for each)
Responds to a <u>specific</u> instruction from Leaders/Ministers <i>1</i>	<p><u>Paragraphs 05</u>: Manila Declaration Safeguard the quality of life through environmentally sound growth.</p> <p><u>Item 10</u>: Fourth Meeting of APEC Energy Ministers Sustainable development through the harmonization of economic development, energy security and the environmental impacts of energy production and use.</p>	1
Meets a core ECOTECH theme under the <i>Manila Declaration 1</i>	<p><u>Paragraphs IV&V</u> :</p> <ul style="list-style-type: none"> • To achieve sustainable growth • Harness technologies for the future • Safeguard the Quality of Life Through Environmentally Sound Growth 	1
Responds to the Common Policy Concepts, Activities and Dialogues identified in Part II of the <i>Osaka Action Agenda 1</i>	<p><u>Paragraphs 1,2,3,4</u>: Part Two: Economic and Technical Cooperation in Specific Areas</p>	1
Responds to a <u>specific</u> ECOTECH Initiative <i>2</i>	<p><u>Paragraphs 04, 05</u>:</p> <ul style="list-style-type: none"> • APEC Agenda for Science and Technology (S&T) Industry Cooperation into the 21st Century • Mexico Declaration on S&T Cooperation • Sustainable Development 	1
Improves skills, including in new technologies	Yes	1
Builds capacity and strengthens institutions	Yes	1
<u>Measurably</u> improves economic efficiency/performance <i>3</i>	This project will introduce advanced clean coal technologies and some steps to implement it	1
Is of <u>practical</u> benefit to the private/business sector; has private/business sector <u>participation</u> ; and/or <u>funding</u> <i>4</i>	This project is of practical benefit to: energy technology companies, private innovators / inventors and investors, and energy supply companies.	3

Assists economies attain sustainable growth and equitable development, while reducing economic disparities among APEC economies and improving economic and social well-being	This project aims at promoting the implementation of clean coal technologies in APEC region so as to improve environmental quality and push the sustainable development of energy with economic and environment	1
Supports a TILF objective, as laid down in Part 1 of the <i>Osaka Action Agenda 1</i>	Not applicable	0
Disseminates information including through seminars/websites/databases 5	This program will hold a workshop and the result will be put on APEC web site.	0
Outline the <u>outcome</u> and how members will benefit 5	This project will promote member economies to implement clean coal technologies.	0
	Net Score	11

Footnote

- 1 Identify which instruction/ECOTECH theme/OAA element.
- 2 See <http://www.apecsec.org.sg/ecotech/index.html>
- 3 Policy outcomes that include development of energy efficiency guidelines, food safety standards etc.
- 4 One point for each element up to a maximum of 3 points.
- 5 Not scored.

Remarks (Please indicate if not applicable eg for TILF projects. Additional information in support of projects which do not score highly may also be provided here by the Lead Shepherd/Chair).

Project Design

- 01 Name of project:
The Contribution to Northeast Asia's Environment By the Development of Clean Coal Technology
- 02 Name of working group or committee taking responsibility for the project and dissemination of its results:
Energy Working Group

Objectives

- 03 Describe briefly how you will measure your results (in the short and longer term) to know if your project has been successful. (You must provide detailed assessment measures in paragraph 19)
- The overall objects of the expert group is to improve the quality of energy policy decision making in APEC member economies and to improve the efficiency of the regional energy market through improving the quality and the availability of energy data, and improving the environmental quality through extending the clean coal.
- 04 How briefly this project respond to the priorities set by APEC leaders and ministers, as evidenced by parts of the APEC action agenda including action program, work plan, vision statement, and policy statement

that related to this projects.

This project is compatible with several polices outlined in the APEC Action Agenda and the four themes of the Action Program: to facilitate economic growth, achieve energy security, and protecting the environment.

- 05 For applications under the TILF special account: how briefly this projects contributes to APEC trade and investment and liberalization and facilitation (e.g. relevance to specific parts of the Osaka action agenda)

Not applicable.

Linkages

- 06 The kind of institutions in number economies intended to benefit from the results of the project. Highlight the direct benefit to the institutions, the types of business in number economies which will benefit from the results of the project and what the direct benefit are.

Department of energy
Department of environment
Energy producer
Energy consumer
Manufacturing
Energy Supplier

All member economies especially the northeast Asia can use the results of the project. The result of the project enable APEC members to foster a regional common understanding of future trend in energy demand and supply and furthermore, energy and environmental policy implication of those trends

- 07 How the participation of the business /private sector and non-governmental institutions has been sought or will be sought. Illustrate how the business/private sector has been involved in the planning and delivery of project and whether any other APEC fora have been consulted.

CNPC(China National Petroleum Corporation) and SINOPEC (China Petrochemical Corporation) and SHENHUA Group have decided to join the research activities. They are all large producers and suppliers of energy in China. As the main research institution of this project, China Coal Industry Development Research and Consulting Center has done a lot of research work in this area and much of them play an important role in decision making of its country.

- 08 How this project will add “APEC value ”(as to potential benefit of implementing projects) in the context of other work that might have been done elsewhere in the same field.

Not Applicable.

- 09 An indication of how the project might contribute to related projects or activities in APEC or elsewhere.

APEC members: Japan, South Korea, Mongolia, Russia, China will directly benefit from the project in the following aspects:

First: Reducing the impact of energy production and consumption activities on the environment.
Second: to ensure the security of energy supplier.

- 10 Describe the deliverables of the project and demonstrate how they will meet the needs of the targeted beneficiaries.

First, to get the proposal from other member economies,
Second, incorporate these proposals into the project,
Third, deliver the project

All member economies will receive copies of the publication of the project report and provide available reference in making decision of their energy and environmental policy.

Methodology

- 11 A concise description of the project's methodology by components, with its associated outputs clearly specified.

The northeast Asia member economies need to send their annual energy data in conformity to the center by email through the Internet.

The APEC Secretariat will publish the report.

The Northeast Asia member economies meet together in 2002 to discuss and advise on the research activity of the project.

The project mainly uses mathematics analysis method, statistics analysis model and etc.

- 12 A timeline for circulation and submission of this project proposal with drafts circulated well in advance to for a to allow careful consideration:

May 2002 - Consideration of the proposal by EWG Members at EWG23.

- 13 A timetable for the accomplishment of each component in (11):

This project is scheduled to be completed in December 2004. The dates for completion activities are:

(1) August, 2003 Identification of assessment issue; submission the interim research report.

(2) September, 2003 Orientation meeting in APEC member economies.

(3) February 2004 Final report.

- 14 The number of APEC member economies that will participate in this project. Please indicate the names of member economies participating in each component of the project as set out in (11).(*)

China will shepherd the project, and we welcome all northeast Asia member economies and institutions to participate.

Budget

- 15 An itemized budget for the project, including provision for any publication and dissemination of project results, in the prescribed format.

A budget for the project is included. This is partly self-funded project. This is detailed in the

- 16 A timetable for the drawdown of APEC funding requested for the project, including details of any advance payment or installment payment requested and justification for such requests.

2003, \$30,000, used to identify assessment issues and submit the interim research report.

2003, \$10,000, used to inviting experts to discuss the report and make revision of the interim report.

2004, \$8,000, used to complete final report.

- 17 Detailed of any request for waiver or exception from the normal APEC financial rules with justifications.

No.

Dissemination of Project Output

- 18 Publication and dissemination of the results of the project, including:

The final report will be written document that will include the findings from assessment of the project. The format will be printed, self-bonded reports that will be distributed to each of the APEC member economies and hopefully available electronically to the APEC website, with links to it from other energy-related organization like UNDP, World Bank, and others.

The result will be distributed to northeast Asia and all other APEC economies related to this region.

Assessment of project

- 19 With reference to your objectives stated in paragraph 3, provide detailed criteria (quantitative and qualitative) for how you will measure your results in the short and long term to know if your project has been successful. State your current benchmarks for measurement, your target results from the project for each measurement criterion and the range of acceptable results both in numerical and percentage terms, where possible.

The criteria for APEC projects will be met if the project is structured so that the results are applicable and useful to all the APEC member economies especially the northeast Asia country.

First if the participants from member economies have taken it as account that the clean coal technologies is used to protect environment and to increasing efficiency of using energy.

Second R & D activities have been made.

Third if the CCT was extended.

Fourth if the environment of this region has improved.

If the supplier condition of energy is well.

Gender Criteria for Formulation and Evaluation of Projects

Objectives

1. Show how the objectives of the project provide benefits for women, where appropriate. APEC Ministers have indicated (*Framework for the Integration of Women in APEC*) that benefits might include: increased involvement of women; taking account of the differences in women's and men's lives (gender analysis); and collection/use of sex-disaggregated data.

Woman would benefit most from the improvement of environmental quality and have the chance to get employment in the development and application of clean coal technology. Some female researchers have the opportunity to access to energy research activities.

Linkages

2. Show how the participation of women has been/will be sought. Show how women are involved in the planning, management, allocation of resources, and implementation of the project.

Woman will be sought in organizing workshops, and participation from woman will be encouraged at the workshop.

The participation of women will be sought in the development and implementation of the project.

Methodology

3. Provide a brief description of the way women will be able to participate equitably in the development and implementation of the project.

Woman will be invited as a team leader to be in charge of data process and as speaker and session chairs during the workshop.

4. Provide a brief description to show that the project will collect and use sex-disaggregated data (if available) to measure the project's effects on women.

At the final stage of the project a questionnaire regarding the final output will be distributed to the women who have participated in this project, and encourage feedback on the project's effects on women.

Dissemination of project output

5. Does the plan for the publication and dissemination of the project's results include communication methods that are appropriate for women?
 - Questions that may be relevant include: Are women one of the target audiences? Does the plan take account of women with low literacy and women with low access to electronic media? Will the results be disseminated to women's organizations?

The research results will be uploaded on the APEC web site and will be distributed to women's organizations upon request. The access to the results and information on the Internet web site is inherently gender-unbiased.

Budget

6. Are women involved in making decisions on the allocation of resources?

Women will be consulted in all aspects of the decision-making process.

7. Where appropriate, provide details of the project's budget that are allocated to activities that address the specific needs of women.

This item is not applicable to this project.

Assessment of project

8. Provide details of how the project proponent will assess whether he/she has met the gender criteria for APEC projects and how he/she will measure the impact of the project on women.

Whether women were sought while conducting the project will be monitored, sex disaggregated questionnaires will be collected and analyzed. Evaluation of the project with regard to its impact on women, will be done at the conclusion of the study.

**APEC OPERATIONAL ACCOUNT
ITEMIZED BUDGET FOR FINANCIAL YEAR 2003**

Items	APEC Funding (USD)
Data collecting	3,000
Consultant Fees	6,000
Research fee	10,000
Consultant's secretary cost	1,000
Travel	
--Per Diem(including 10 persons accommodation and " additional payment")	\$200/day × 5days 10,000
--Airfare 5 persons	\$1000ticket 5,000
Publication of report (including distribution)	3,000
Communications(Phone /Fax/Mail/Courier)	10,000
Total	48,000