GUIDELINES
FOR
R&D PROJECT PROPOSALS
AND
APPLICATION FORMAT

CENTRE FOR HIGH TECHNOLOGY
(MINISTRY OF PETROLEUM & NATURAL GAS)
OIDB BHAWAN, TOWER ‘A’, 9TH FLOOR,
SECTOR-73, NOIDA – 201 301 (U.P.)
(www.cht.in)
Centre for High Technology (CHT) was established by Ministry of Petroleum & Natural Gas (MOP&NG) in 1987 as a specialised agency of the oil industry to assess futuristic technology requirements and to promote development and adoption of new refinery processes, petroleum products and additives.

CHT acts as the Technical Wing of MOP&NG for implementation of scientific and technological programmes of Govt. of India. Major functions of CHT include assessment of technology requirement, operational performance evaluation and improvement of the refineries. CHT acts as a focal point of oil industry for centralised technical assistance, knowledge dissemination, performance data base, exchange of information and experience.

CHT has been relentlessly promoting Research & Development (R&D) efforts in refining and marketing areas and pursue the programmes of “Scientific Advisory Committee on Hydrocarbons” of MOP&NG. CHT co-ordinates the activities of Scientific Advisory Committee (SAC) on Hydrocarbons of MOP&NG in identifying and funding of research projects for hydrocarbon sector through Oil Industry Development Board (OIDB).

CHT wishes to intensify its R&D efforts, strengthen the interface between R&D establishments and Industry, and accelerate the development from lab stage to pilot stage, rendering them fit for commercialization.

1. OBJECTIVES
   (a) Development of innovative product and process technologies for hydrocarbon / oil sector and alternate energy fuels
   (b) Strengthening the interface between R&D establishments and Industry
   (c) Accelerating commercialization of products/ processes successful at lab stage

2. SECTORS OF INTEREST
   Downstream Hydrocarbon sector, Alternative & Non-conventional fuels for Transport

3. PROJECT PROPOSALS
   CHT invites new R&D project proposals for grant-in-aid under OIDB funding. Projects should aim at development of a new product or a process, or major improvement in an existing product or process, with attractive market potential. The projects should result in significant benefits to hydrocarbon sector / oil industry.

   NATURE OF PROPOSALS SUPPORTED –
   3.1 Refinery Residue to Clean Fuels
   3.2 Desulphurisation of Diesel and Gasoline
   3.3 Coal / Gas / Biomass Gasification
   3.4 Low Level Heat Recovery
   3.5 Alternative Energy: Bio-fuels and Hydrogen
   3.6 Carbon Capture
   3.7 Molecular Engineering
3.8 Hydrogen as Fuel - Production and Storage

3.9 Process Intensification

3.10 Photo Synthesis

ACTIVITIES SUPPORTED –

Partial financial support shall be provided by CHT primarily to cover development, cost of pilot plant, cost of process equipment, consumable cost, test and evaluation of products, user trials etc. The proposal deliverables should have innovative element and preferably address following aspects:

(a) Development of a new or improved product resulting in prototype development and ending with demonstration in commercial environment.

(b) Development of a new or improved process resulting in establishment of process / technology know-how, development of process equipment and demonstration in a pilot plant.

(c) Indigenization of imported technology.

(d) Technology development projects for improvement of products / processes.

(e) Development & demonstration of technologies for use by cluster of industries.

4. ELIGIBILITY CRITERIA FOR APPLICANTS

Applicant should be one of the following with financial commitment from one of the PSU oil companies:

i) National Research Lab (Govt. recognized)

ii) Council of Scientific and Industrial Research (CSIR) Lab

iii) Research Lab (DSIR recognized.)

iv) Educational Institute (Should have well established research support system.)

v) Registered company with R&D establishment and

vi) Individual experts

5. EVALUATION PROCEDURE

The project proposals received from above categories of applicants are initially scrutinized in-house by CHT. During initial examination, proposal is evaluated from eligibility point of view along with expected outcome and its relevance with scheme objectives outlined in guidelines. Required additional information is sought from applicants wherever necessary.

Once CHT confirms that the project proposal meets scheme guidelines, the same is put up for Screening by the Select Committee of SAC / SAC for further consideration and approval/recommendation followed by approval by Executive Committee/Governing Council of CHT.

The applicant is required to give a detailed presentation for 15-30 minutes before the Select Committee of SAC / SAC describing the features of the R&D Project and the expected outcome with time-lines. The Select Committee of SAC / SAC also deliberates upon cost involved and likely benefit to the target group. After the deliberations, decision about approval of the project as well as estimated expenditure is taken.

Applicants of projects which are not approved by Select Committee of SAC / SAC are informed along with reasons.
Based on approval of SAC, financial sanction is accorded by EC/ GC of CHT in the form of Grant-in-aid. The approved grant is the maximum ceiling for the project. Grant from CHT is released based on the project progress/requirement on signing of Memorandum of Understanding (MOU) with CHT, utilization pattern and projected expenditure. Initially Grant-in-aid upto 10% share of CHT in the approved project cost is released to commence the project activities. Subsequent Grant-in-aid is decided based on the expenditure, utilization certificate and the project elements. The proposing institute / individual expert would be responsible for the Patent search.

6. APPLICATION PROCEDURE:

Application format for submitting project proposal is annexed herewith and is also available on CHT website. Proposals (in 2 hard copies and 1 soft copy) on the above lines are invited from reputed R&D Establishments, Technical Institutions and Industries. Proposals should be forwarded by the Director/ Head of the organization, by 31st March 2017, 17:00 hrs, to:

Executive Director
Centre for High Technology
9th Floor, OIDB Bhawan,
Plot no. 2, Sector – 73,
NOIDA – 201 301 (U.P.)
Ph: 0120-2593701
Annexure

The various factors that are needed to be addressed in the R&D Project Proposal submitted to CHT, for funding by OIDB through Scientific Advisory Committee, should cover the following points.

1. Project Title
2. Executive summary of the proposal
3. Principal Co-ordinators & Investigators, Likely Partners and their particulars + brief CVs
4. Objective
5. Introduction and background
6. Current Status / developments in the proposed area
7. Proposal details and Methodology
8. Project schedule / timeframe with milestones
9. Cost estimates / phasing of expenditure – covering detailed break-up about recurring & non-recurring costs like equipment costs (with justification), Manpower/Salaries, Consumables, Travel, Contingency/Overheads, Consultancy, etc.
10. Scope of Work and Work Plan (Activity-wise)
11. Resources Utilization (internal & external like infrastructure/facilities/manpower)
12. Responsibilities of other Collaborators, if applicable
13. Bar chart of Activities & milestones
14. References
15. Commercialisation Potential of the Proposed study
16. Deliverables (product, technology, report, software, IPR, data, etc.)
17. Payment Terms, if any (Normally CHT terms are followed)
18. Whether the research lab under the Institution, recognized by Government / DSIR

DECLARATION

I/We hereby declare that

i) I/We have not undertaken this project earlier with any other organization
ii) I/We have not taken any financial help for this project from any other institution
iii) In case of receipt of grant-in-aid from CHT, financial help shall not be taken from any other govt. organization against this project.

iv) Items, which are to be purchased, are listed with estimated cost of each.

Signature
Date: Principal Investigator
Seal