

DEPARTMENT OF SCIENCE AND TECHNOLOGY
(FLY ASH UNIT)
R&D AND TECHNOLOGY DEVELOPMENT / APPLICATION IN THE AREA OF FLY ASH
FORMATS FOR SUBMISSION OF PROJECT PROPOSAL

(To be filled by applicant)

(COVER SHEET – PART-I Para 101 TO 140 and Technical details part-II from Para 200 onwards TO BE ON SEPARAE SHEET(S))

(Filling of all fields is essential. Mention 'NIL' if there is no information. Fields mentioned ## are for office use.)

COVER SHEET
(PART-I)

File No.....

##Date of Receipt.....

101(a). Project Title

101(b) Date of submission

102. SCHEME under which proposal is submitted [Refer Annexure-I]

103. Fly ash utilization / safe management areas under which proposal is submitted [Refer Annexure-II]

104. Duration in months

105. Total cost

106. FE Component

107. Equipment:

(Pl. give list of major/minor equipment)

108. Staff (Proposed research staff):

109. Other recurring costs:

Consumable:

Travel :

Contingency ;

Any other expenses:

110. Other projects with the PI/Co.PI (s):

S.No.	Title	Cost(in rupees)	Duration	Agency

111. Project summary (maximum 150 words)
112. Key words (Minimum - Maximum 6)
113. Principal Inv.
114. Designation
115. Department
116. Institute Name
117. Address
118. Date of Birth: Sex (M/F)
119. Telephone [(O), (R) & (M)], Fax, e-mail
120. Co-Investigator-I
121. Designation
122. Department
123. Institute Name
124. Address
125. Date of Birth: Sex (M/F)
126. Telephone [(O), (R) & (M)], Fax Gram e-mail
127. Co-Investigator-II
128. Designation
129. Department
130. Institute Name
131. Address
132. Date of Birth: Sex (M/F)
133. Telephone [(O), (R) & (M)], Fax, e-mail
134. Co-Investigator-III
135. Designation
136. Department
137. Institute Name
138. Address
139. Date of Birth: Sex (M/F)
140. Telephone[(O), (R) & (M)], Fax, e-mail

Note :1. 10 hard copies & 2 soft copies in CDs Word 07 and Word 2003 are to be submitted to Dr. Vimal Kumar, Sc.-G & Head(Fly Ash), DST, Room No. 17-B, Administrative Block, Deptt. of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi-110016.

2. Incomplete proposal, submitted papers without required enclosures, details, justifications, certificate etc. would not be processed.

(PART-II)

(Project title)

- 200. Technical details
- 210. Introduction (under the following heads)
 - 211. Origin of the proposal
 - 212. Definition of the problem
 - 213. Objectives
 - 214. Expected outcome from the project
- 220. Review of status of Research and Development in the subject
 - 221. International status
 - 222. National status
 - 223. Importance of the expected outcome from the project in the context of current status (New knowledge/utilization aspects)
 - 224. Review of expertise available with proposed investigating group/institution in the subject of the project
 - 225. Patent details (domestic and international)
 - 226. Has any work been done earlier by PI/Co-PI/your institute in the proposed project work area? If yes, please provide details in brief, including objectives, current status, output, total budget, time frame and source of funds etc.
 - 227. How is the proposed work different from the details at para 226.
 - 228. Has similar or related project proposal been submitted to any other funding agency? If yes, Pl. provide details.
- 230. Work plan
 - 231. Methodology
 - 232. Organisation of work elements
 - 233. Time schedule of activities giving milestones (also append to bar diagram and mark it as Section 410)
 - 234. Suggested plan of action for utilization of research outcome expected from the project.

(300) BUDGET ESTIMATES: SUMMARY

	Item	Budget			(in Rs.)
		1 st yr.	2 nd yr.	3 rd yr.	
1.	Recurring				
	1. Salaries/wages				
	2. Consumables				
	3. Travel				
	4. Other costs				
2.	Equipment				

350. BUDGET FOR EQUIPMENT

Sl. No.	Generic name of the Equipment along with make & model	Imported/Indigenous	Estimated Costs (in Foreign Currency also)*	Spare time for other users (in %)

@ Quotation / basis for each of the item is to be submitted along with the proposal

*includes transport, insurance and installation charges.

351. Justification for the proposed equipment. Enclose quotation for each equipment.

410. Time Schedule of Activities through BAR Diagram

420. List of facilities being extended by parent institution(s) for the project implementation.

A) Infrastructural Facilities:

Sr. No.	Infrastructural Facility	Yes/No/ Not required Full or sharing basis
1.	Workshop Facility	
2.	Water & Electricity	
3.	Laboratory Space/ Furniture	
4.	Power Generator	
5.	AC Room or AC	
6.	Telecommunication including e-mail & fax	
7.	Transportation	
8.	Administrative/ Secretarial support	
9.	Information facilities like Internet/ Library	
10.	Computational facilities	
11.	Animal/ Glass House	
12.	Any other special facility being provided	

B. Equipment available with the Institute/ Group/ Department/ Other Institutes for the project:

Equipment available with	Generic Name of Equipment	Model, Make & year of purchase	Remarks including accessories available and current usage of equipment
PI & his group			
PI's Department			
Other Inst In the region			

430. Detailed Bio-data of the Investigator(s)/Co-Investigator(s) including Name, Address, Date of Birth, Institution's Address etc. Academic Qualifications (University/College from where attained, year of passing, class, Thesis title etc.) Publications list (Title of paper, authors, Journal details, pages, year etc.) Patent list, if any List of Projects implemented

450. Details of Research Projects being implemented/ completed/ submitted by the Investigator(s)/Co-Investigators including Investigator(s) Name & Institute Project Title Project Status:

Completed-duration, period (from.... to.....), funding agency and total cost On-going-duration, date of start, funding agency and total cost proposed-duration, funding agency where submitted and total cost

Summary of the project

Major Results/ Highlights of the project including achievement (publications, patents etc.), for completed projects Up-to date Technical progress report for on-going projects.

500.Any other relevant matter.

List of seven schemes for Financial support

Scheme-1	R&D, technology development and application by “not for profit” agencies i.e. public funded and charitable organizations.
Scheme-2	Programme for R&D and Technology development by industry or business institutions/bodies.
Scheme-3	Collaborative programme with Central Government Ministries/Deptts./Agencies
Scheme-4	Collaborative programme with industry
Scheme-5	Development of technology/know-how transfer & capacity building centres.
Scheme-6	Preparation of “Base line Paper for each of the major area of fly ash utilization/safe management” including TF/TA exercise for that area.
Scheme-7	Development of “Fly Ash data base” alongwith a specialized library for fly ash publications.

Thrust Areas:

1. Cement and concrete
2. Building Materials (other than cement & concrete)
3. Hydro Power & Water Resources
4. Geotechnical applications
5. Agriculture
6. Mining Sector
7. Value added applications
8. Handling & Transportation
9. Design & Management of Ash Ponds

NOTE: Proposals for capacity building, large scale demonstration, technology scale up/validation/transfer should have user agency/Thermal Power Plant/any other stake holder agency as one of the partner/collaborator/associate of the proposed project work.

The partner/collaborator/associate may contribute in one or more forms viz. monetary/S&T and technical expertise/industrial user perspective/ test and validation facilities, input materials etc.

Proposals in the following areas would have priority:

- Thrust areas at SI.No. 3,5,6 & 7
- Schemes at SI.No. 3,4,5 & 6

CERTIFICATE

(To be signed by PI & Co-PIs)

(TO BE GIVEN ON LETTER HEAD)

This is to certify that all details/ informations provided in the proposal entitled"....." dated are true to the best of the knowledge of the undersigneds and no information/ details have been withheld.

Further, this is to certify that any work done under any other project/activity would not be reported as done under this project and vice-a-versa. However, can be referred to "under review of status of R&D and technology".

(PI)

(Co-PI)-I

(Co-PI)-II

(Co-PI)-III

Endorsement from the Head of Institution

(To be given on letter head)

Project Title :

1. Certified that the Institute welcomes participation of _____ as the Principal Investigator and _____ as the Principal Co-Investigator for the project and that in the unforeseen event of discontinuance by the Principal Investigator, the Principal Co-Investigator will assume the responsibility of the fruitful completion of the project (with due information to DST) .

2. Certified that the equipment and other basic facilities as enumerated in Section 420 and elsewhere, such other administrative facilities as per terms and conditions of the grant and requirement of the project work, will be extended to the investigator(s) throughout the duration of the project.

3. Institute assumes to undertake the financial and other management responsibilities of the project.

Name and Signature of Head of Institution

Date:

Place:

ACKNOWLEDGEMENT

(To be filled in by the applicant, field marked ## are for official use)

Project title : _____ ##File No.
has been received on##..... from PI.....
Name and address of institute

.....
Project proposal on prime-facie is found to be complete for processing/ incomplete and is not being processed further.

PLEASE QUOTE FILE NO. IN ALL FUTURE CORRESPONDENCE.

Scientist 'G' & Head, Fly Ash Unit
Govt. of India
Ministry of Science & Technology
Department of Science & Technology
Technology Bhawan, Room No. 17B
New Mehrauli Road, New Delhi-110016
Tele Fax: 011-26519954, Tel: 26590528 (PA)
e-mail: fau-dst@nic.in, flyashmission@yahoo.co.in

To :- (Please give complete postal address of PI and his contact number)

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