

Nano Applications And Technology Development Programme (NATDP)

Proposal for Joint Industry-Institution Projects (JIIPs)

COVER SHEET

Title of the Proposal:

Subject/Area:

Submitted by:

Name of the Principal Investigator (from Industry):

Full Official Postal Address:

Phone:

Mobile:

Email:

PARTICULARS OF THE APPLICANT COMPANY

DETAILS OF THE COMPANY/CONTACT PERSON: (Company Name, Address, Contact Person Name, Phone, Mobile Number, Fax, E-mail, etc.)		Year of establishment: _____
		Company's Activities: _____ _____
		Staff Strength: Total: _____ R&D: _____
		Annual Turnover: _____ (last financial year)
CERTIFICATION		
YES	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. Company has valid R&D recognition by DSIR
<input type="checkbox"/>	<input type="checkbox"/>	2. Public Limited / Private Limited / Closely held (Strike out irrelevant)
<input type="checkbox"/>	<input type="checkbox"/>	3. The company has atleast 51% shares held by the Indian promoters, family and friends and the general public.
<input type="checkbox"/>	<input type="checkbox"/>	4. Whether previously applied under any of Nano Mission's schemes
<input type="checkbox"/>	<input type="checkbox"/>	5. Patent/Licensing rights related to the proposed work
ENCLOSURES (label and number all the enclosures and attach with the application in sequence):		<u>Check-list</u>
1. The copy of Registration Certificate (Enclosure No.....)		<input type="checkbox"/>
2. Certificate of R&D recognition by DSIR with date of issue/expiry (Enclosure No.....)		<input type="checkbox"/>
3. List of (a) Patents granted to the company (b) Patents applied for by the Company (c) IPR's licensed by the Company (with complete details) (Enclosure No.....)		<input type="checkbox"/>
4. Names of Patent holder(s) and claims related to patent rights on the proposed work (Enclosure No.....)		<input type="checkbox"/>
5. Annual Report of the Company for the previous financial year (Enclosure No.....)		<input type="checkbox"/>
6. Promoters background (including association with other companies and contribution in those companies) (Enclosure No.....)		<input type="checkbox"/>
7. Details of loans outstanding against the applicant. It is to be clearly stated if the company is a defaulter in repayment of any of the loans/ interests as per the agreed schedule. (Enclosure No.....)		<input type="checkbox"/>

PARTICULARS OF THE COLLABORATOR/S
(from Public Funded Academic/R&D Institute/s)

Contact details of the Co-PI/s from Collaborating Institute/s:
(Name, Address, Phone, Mobile Number, Fax, e-mail, etc. for all co-PIs)

Has there been a prior history of collaboration between the institute/s and the applicant industry? If so, provide details of collaborative efforts jointly undertaken in the past, indicating the specific output in each case:

Detailed technical justification outlining why the particular institute/s has/have been chosen by the industry for development of technology required

PROPOSAL DETAILS

PROJECT TITLE :		
DURATION	Years <input type="text"/>	Months <input type="text"/>
TOTAL COST (Rs. in lakhs) (including proposed contribution, by the company and support sought from NATDP for the collaborating institute/s)	Rs. ----- lakhs IN WORDS : Rs. -----	
PROJECT IMPLEMENTATION SITE(s): (shall be normally the academic/R&D institute/s though some portion of the work could be done in the industry premises)		
KEY INVESTIGATOR(S) who will work on the project (other than PI and Co-PI/s)		
Name(s)	Position Title(s)	Organization(s)
GIST OF THE PROPOSAL (ABOUT 100 WORDS). If the proposal is funded, this description, as is, will become public information. Therefore, do not include proprietary/confidential information under this column.		

KEY WORDS (5 maximum) to identify the research or technology :
Indicate why the proposal merits consideration under NATDP Scheme of Nano Mission (ABOUT 100 WORDS)
Current status of research and development on the subject (both international and national status) (ABOUT 200 WORDS)
The relevance and expected outcome of the proposed study. Also, indicate the possibility of developing new IPR and societal relevance of this project. (ABOUT 100 WORDS)
Summary of preliminary work done so far

Indicate the innovativeness of the proposed work and market feasibility of the targeted product/process
(ABOUT 250 WORDS)

Leadership perspective (Briefly describe the national as well as global positioning of the technology and resultant leadership position/economic benefits to the country, once the project is successfully accomplished.)
(ABOUT 50 WORDS)

Viability analysis, if already carried out by the proposer

TECHNICAL DETAILS**Part III – Timelines/Minimum Work Programme/ Milestones for Quantifiable Outputs**

Period of study	Achievable targets (Physical and Technical)
6 Months	
12 Months	
15 Months	
18 Months	
21 Months	
24 Months	
27 Months	
30 Months	
33 Months	
36 Months	

BUDGET DETAILS (Rs. in lakhs)

For Collaborating Public Academic/R&D Institution/s

Name of the Institution/s : (if more than one collaborating institution involved, please attach similar format for each institution to this summary sheet as Appendices E(1)(1), E(1)(2), etc.

S.No.	Item	I st year	II nd year	III rd year	Total
I.	Non-Recurring				
1.	Equipment				
2.	Accessories				
	Total – I				
II.	Recurring				
1.	Manpower (as per DST norms)				
2.	Consumables				
3.	Travel				
4.	Contingency				
5.	Cost of work to be outsourced to public funded R&D/academic institutions (<i>other than the collaborating R&D/academic institution/s</i>)				
	Total – II				
III.	Overhead				
	TOTAL PROJECT COST (I+II+III)				
	Contribution by the Company (at least 30% of the total Recurring cost)				
	Grant-in-Aid from NATDP				
	GRAND TOTAL				

Note: Kindly ensure that the contribution by the company is at least 30% of the total recurring cost (Sl. No. II above) for the collaborating public institution/s as per terms of this scheme. Please also note that Overheads will be provided by DST as per norms. You may, however, indicate the desired amount under Overheads.

EQUIPMENT DETAILS

A) Infrastructure and Equipment already available with Company and collaborating institution/s which will be utilized for this project (if more than one collaborating institution involved, please attach similar format for each institution to this summary sheet as Appendices E(2)(1), E(2)(2), etc.)

Sl. No.	Infrastructure/ equipment (with company)	Infrastructure/ equipment (with institute/s)

B) Proposed equipment from NATDP contribution (for public institution/s), with justification

Sl. No.	Equipment	Capacity & Quantity	Use in the project	Estimated Value (Rs. in lakhs)
Total*				

* This amount should match with the amount proposed under budget details under Non-recurring Head in Appendix E (1)

MANPOWER DETAILS

A) Manpower (scientific and technical) already available with company who will work for this project

Name	Position	Qualification	Age	Full time/Part time (Specify hours per day)	Experience	Work to be attempted in the project

B) Manpower (scientific and technical) already available with collaborative institute/s who will work for this project

Name	Position	Qualification	Age	Full time/Part time (Specify hours per day)	Work to be done by the person specific to the project

C) Manpower (scientific and technical) proposed through NATDP contribution who will work in this project (IN COLLABORATING INSTITUTE/S); remuneration should be as per DST norms (i.e. for JRF, SRF etc.)

Position	No of Positions	Expected Qualification & Experience	Age limit, if any	Full time/Part time (Specify hours per day)	Work to be attempted in the project	Proposed salary per month

* If manpower requirement or their salaries are different for each year of the project, then it is to be given separately for each year. Additional columns may be added for furnishing these details. **The amount proposed in budget details on manpower should be calculated based on the proposed salary as detailed above.** This amount should match with the amount proposed under budget details under Recurring Head at Appendix E (1). If more than one collaborating institution involved, please attach similar format for each institution to this summary sheet as Appendices E(3)(1), E(3)(2), etc.)

CONSUMABLES' DETAILS FOR COLLABORATING PUBLIC INSTITUTION /S

S. No.	Items*	Approximate Quantity	Approximate Cost (Rs. in lakhs)	Justification
**Total amount required for consumables				

- * Major consumable items should be given separately. Minor items may be clubbed together as "Other items".
- ** This figure should match the total amount proposed under the head "Consumables" in the Budget Details.

Note: If more than one collaborating institution involved, please attach similar format for each institution to this summary sheet as Appendices E(4)(1), E(4)(2), etc.

TRAVEL AND CONTINGENCY FOR COLLABORATING PUBLIC INSTITUTION/S

Travel : [Total amount (i.e. for co-PI/s and other project staff) proposed in the project under this head is

Rs. ----- lakhs]

Justification:

Contingency : [Total amount (i.e. for co-PI/s and other project staff) proposed in the project under this head is

Rs. ----- lakhs]

Justification:

Note: If more than one collaborating institution involved, please attach similar format for each institution to this summary sheet as Appendices E(5)(1), E(5)(2), etc.

DETAILS OF WORK TO BE OUTSOURCED TO PUBLIC-FUNDED R&D/ACADEMIC INSTITUTION/S OTHER THAN THE COLLABORATING PUBLIC INSTITUTION/S

Proposed work to be outsourced	Name of the institution/organization to whom the company will approach for this job	Whether the company has already tied up with this institution/organization	Estimated cost involved (Rs. in Lakhs)
Total			
Cost of work outsourced to public funded R&D/academic institution/s other than the collaborating R&D/academic institution/s			

* Cost of work outsourced to private institutions shall be entirely borne by the company submitting the proposal.

SUMMARY OF EXPENSES TO BE INCURRED BY THE COMPANY FOR PROJECT IMPLEMENTATION, OTHER THAN CONTRIBUTING 30% OF RECURRING COSTS OF PUBLIC PARTNER

S.No.	Item	I st year	II nd year	III rd year	Total
I.	Non-Recurring				
1.	Equipment				
2.	Accessories				
	Total – I				
II.	Recurring				
1.	Manpower				
2.	Consumables				
3.	Travel				
4.	Contingency				
5.	Cost of work to be outsourced to public funded R&D/academic institutions (<i>other than the collaborating R&D/academic institution/s</i>)				
	Total – II				
	GRAND TOTAL				

*

Appendix F

OTHER FINANCIAL DETAILS

(The following information should be given very clearly)

1. **Expected source for the proposed contribution of the Company during project duration as indicated in Appendix E (1).**
2. **Details of the investments made by the Company in the project so far (excluding the amount as indicated at No. 3 below), if any.**
3. **Funding received so far/ approved by any of the Government Agencies for the work done so far related to this project or for the present proposed work (Give details like project title, funding agency, amount received/ approved, and status of the project). If any such proposal for funding is under consideration by another funding agency, give details thereof.**
4. **Funding received so far/ approved by any of the Government Agencies to the Company/ Companies to carry out any other activity (exclude the information given at No. 2 above) (Give details like project title, amount received/ approved, funding agency and status of the project)**

DECLARATION

We, the undersigned, participating in the project entitled ".....-....." certify that the particulars submitted in the application are true and correct. We have read the guidelines, terms and conditions governing the scheme and undertake to abide by them. We would do our utmost to support and to ensure effective participation of scientists from respective organizations towards the goal oriented, time bound, progress of the said project. The financial assistance, if provided, shall be put to the declared use. We certify that the industry agrees to contribute Rs. _____ (Rupees _____) in cash to the _____ over the _____ years project as indicated in _____

- a) the research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
- b) the same project proposal has not been submitted to any other agency for financial support. / the same project proposal has been submitted to ...(Name of the Agency)..... for financial support. (Give status of your application, if submitted to the other agency)
- c) the emoluments for the manpower proposed are those admissible to persons of corresponding status employed in the institute/university or as per the Ministry of Science & Technology guidelines – Applicable only for Public Partner/s.
- d) necessary provision for the scheme/project will be made in the Company/Institute/University budget in anticipation of the sanction of the scheme/project.
- e) wherever applicable, national guidelines such as Ethical Guidelines of ICMR, GM Product Guidelines of Govt. of India shall be strictly followed
- f) if the project involves the utilisation of genetically engineered organisms, we agree to submit an application through our Institutional Biosafety Committee. We also declare that while conducting experiments, the Biosafety Guidelines of the Department of Biotechnology would be followed in toto.
- g) if the project involves field trials/experiments/exchange of specimens, etc. we will ensure that ethical clearances would be taken from concerned ethical Committees/Competent authorities and the same would be conveyed to the Mission Director, Nano Mission before implementing the project.

- h) the company and institution/s agrees that the equipment, other basic facilities and such other administrative facilities as per terms and conditions of the grant will be extended to investigator(s) throughout the duration of the project.
- i) the company and institution/s assume to undertake the financial and other management responsibilities of the project.
- j) the company and institution/s agree that the Agreement, as per norms of the scheme, shall be executed with the department towards implementation of the project.
- k) the company and institution/s agree that any research outcome or intellectual property right(s) on the invention(s) arising out of the project shall be taken in accordance with the Agreement made in this regard among the collaborators of this project.

Signatories (Name, Designation, Signature & Seal)

Principal Investigator (from industry)	Co-Principal Investigator/s (from collaborating institute/s)
Forwarding authorities Company:	Collaborating Institute/s

BIOGRAPHICAL SKETCH

To be submitted separately for the Principal Investigator from Industry and each of the Co-Principal Investigator/s from Academic/R&D Institutions and any other key investigators

Name :

Designation :

Name of the Company or Department/Academic/R&D Institute :

Date of Birth :

Sex (M/F) :

Education (Graduation onwards)

SI No.	Institution	Degree Awarded	Year	Field of Study

Professional Career (Starting with the most recent employment)

SI No.	Institution	Position	From (Date)	To (Date)

Honors/ Awards

- 1.
- 2.
- 3.
- 4.

Publications (Numbers Only)

- | | | |
|--------------|-------------------------------|-----------------------|
| 1. Books : | 2. Research Papers, Reports : | 3. General articles : |
| 4. Patents : | 5. Others (Please specify): | |

List selected three publications or patents relevant to the proposed area of work (in chronological order)

1. Title, Authors, name of the Journal, issue & page no. year of publication or patent details

Summary of the work reported in the above publication or patent (ABOUT 100 WORDS)

2. Title, Authors, name of the Journal, issue & page no. year of publication or patent details

Summary of the work reported in the above publication or patent (ABOUT 100 WORDS)

3. Title, Authors, name of the Journal, issue & page no. year of publication or patent details

Summary of the work reported in the above publication or patent (ABOUT 100 WORDS)

Professional Experience relevant to the Project (ABOUT 150 WORDS)

Ongoing Research Projects

SI No.	Title of Project	Source of Funds	Amount	Duration (from – to --)

Completed Research Projects (State only major projects of last 3 year)

SI No.	Title of Project	Source of Funds	Amount	Duration (from – to --)

It is certified that the above particulars submitted are true and correct.

Place:

Signature :

Date :