

Multiplier Grants Scheme

R&D in IT Group
Department of Electronics & Information Technology
Ministry of Communications & IT
Government of India
Electronics Niketan, CGO Complex, New Delhi – 110 003.

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1. Title of the Scheme

Multiplier Grants Scheme- "Srrijan: Prithvi"

2. Aim

The aim of the scheme is to encourage industry to collaborate with premier Academic and Government R&D institutions (hereafter also called institute) for development of products/packages.

3. Objectives

The objectives of the proposed scheme are:

- i. Establish, nurture and strengthen the linkages between the Industry and Institutes;
- ii. To promote industry oriented R&D at institutes;
- iii. Encourage and accelerate development of indigenous products and packages; and
- iv. Bridge the gap between R&D / Proof-of-concept and commercialization / globalization.

4. Scope

The broad eligibility criterion for consideration under the proposed scheme is:

- i. The idea for collaborative research should originate from industry/industry consortium, and academic institution(s)/R&D bodies undertaking industry specific research will submit the project proposal jointly with the industry/industry consortium to DeitY under MGS scheme.
- ii. The proposal should be for innovation in modules/ products/ packages/ services in the area of E&IT; The proposals envisaging prototyping to package for commercialization may also be considered under the MGS.
- iii. The proposal should be in the core area of business of the industry;
- iv. The identified institute/ Project investigator should have the requisite expertise and track record in the proposed area; To ascertain the R&D capabilities of institutions taking up collaborative research under MGS, it is pertinent to look into i) level of professional courses in ICTE(B.Tech/M.Tech/PhD) being conducted by them; ii) prior Research Work/projects undertaken; iii) No. of papers published; iv) collaboration with industry if any v) the institution should be in existence for minimum 5 years.

- v. The outcome from proposed innovation should promise technical and commercial viability; All the proposals should contain information on market survey of the modules/products/packages/services proposed to be developed;
- vi. The industry should have requisite i) manpower for absorption of technology; and ii) infrastructure for production in-house or shall have detailed concrete plans to mobilize the same from elsewhere. For ascertaining the standing of the industry, if required a sub committee of the WG may be constituted.

5. Description

- i. In this scheme, if an industry supports innovation at institute(s) and commits its resources [say ₹], the Government would commit a Grant of [n x ₹] to the Institutes, where „n“ is the multiplication factor. The multiplication factor „n“ may vary up to a maximum of 2, and would be recommended by a committee of experts on a case-to-case basis. The Government shall thus absorb risk of R&D for new/ innovative product/ package development;
- ii. Greater support (n ~ 2) could be given for MSME industry and for large industry the multiplying factor „n“ could be one. However, in general greater support (n ~ 2) could be given for innovations which are breakthrough in nature, as compared to incremental innovations;
- iii. The contribution of industry and grant-in-aid from DeitY will be given to academic/R&D institution(s) only. The industry contribution should be remitted to the institution in cash(cheque/DD/RTGS etc.) so that the same could be duly certified by the academic/R&D institution(s) for the purpose of release of grant-in-aid from DeitY in an apportionate manner as per the recommendation of the Working Group. The disbursement of grants to institution(s) will be in stages and should be matched by industry & Government as per the recommendations of Working Group.
- iv. The Government grants would cover specific items of expenditure under the project, namely equipment, consumables, manpower, Travel & Training, contingencies, and overheads if any; The overheads admissible in the project will be limited to 15% of the total of the project.
- v. The Government grants, for individual industry, would be limited to a maximum of Rs. 2.0 Crores per project and the duration of each project should, preferably, be less than 2 years; for industry consortium these figures would be Rs. 4.0 Crores and 3 years respectively. The contribution of industry and grant-in-aid from DeitY will be given to academic/R&D institution(s) only.
- vi. The formal agreement for sharing of IPRs/know-how and royalty/lumpsum between the institute(s) and industry need to be signed upfront before the release of the first installment of Grant-in-aid. The institution(s) /industry would submit the periodic report to DeitY for a period of minimum 5 years on the

status of IPRs created/commercialization under the project (5 years is the expected life time of product/technology) (reference Annexure-3);

- vii. The company must retain the know-how in India and could do further R&D to create products and IPR in India. Furthermore, IPR must also reside in India so that India has access and complete control to these rights in times of emergency to protect our national interest.
- viii. The Scheme would be reviewed/ updated based on implementation feedback.

6. Implementation Mechanism

The following mechanism is proposed for effective and efficient implementation of the proposed scheme:

- i. The project proposal under the MGS scheme should be submitted by academic institution(s) /R&D bodies jointly with the industry/industry consortium. The idea for Collaborative research should originate from industry/industry consortium
- ii. Depending upon the availability of funds, proposals would be invited up to a maximum of three times in a year;
- iii. A Working Group set-by the Department shall scrutinize, evaluate the respective proposals and recommend to the Department for appropriate financial support. The WG may invite additional Domain Experts, based on the proposals being considered;
- iv. A Project Review & Steering Group (PRSG) shall periodically steer and review the technical and financial progress of the project, recommend release of Grants, continuity / extension / short-closure, etc.; The industry partner should have due representation in the PRSG.
- v. The existing mechanism of project approval, PRSGs, and project closure may be adopted for this scheme.
- vi. The grants under the proposed scheme would be subject to Terms & Conditions placed at annexure-1;
- vii. The application proforma for submitting the proposal under the proposed scheme is placed under annexure-2; and
- viii. The details of the scheme, including current status, would be made available on the website of the Department.

7. Resource Provisions

The Scheme is now extended and valid upto 31st March 2020 with a total outlay of Rs. 36 Crores and DeitY contribution of Rs. 24 Crore. The Technology Development Council (TDC) budget head will be used for implementation of this scheme. Based on this pilot implementation and feedback, the scheme would be reviewed by Working Group.

8. Benefits

The expected benefits from the proposed scheme are:

- i. The academic and Government R&D Labs would be geared for market oriented R&D; This would also enhance the relevance of Education and Training to meet the market requirements;
- ii. The industry would be enabled in terms of mobilizing technical know-how and skills;
- iii. The industry would be enabled to quickly respond to market needs in terms of cost competitive indigenous innovative products;
- iv. Incentives, in terms of royalty sharing, may help in attracting and retaining quality manpower in academia/ Government R&D Labs; and
- v. Close industry - academia/ R&D Lab interaction may lead to increase in number of entrepreneurs.

Annexure-1

Department of Electronics & Information Technology
Ministry of Communications & IT
Government of India

The grant is for the specific project as approved by Department of Electronics & Information Technology (DeitY) and shall be subject to the conditions listed below. The proposal originating industry and grantee institution shall give an undertaking that they agree to be governed by these conditions.

1. The grant amount shall be i) spent for the project within the specified time; and ii) Any portion of the grant, which is not ultimately required for expenditure for the approved purposes, shall be duly surrendered to DeitY;
2. The grantee institution shall maintain an audited record in the form of a register in the prescribed proforma for permanent, semi-permanent assets acquired solely or mainly out of DeitY grant;
3. The assets referred to in (2) above will be property of DeitY and should not, without prior sanction of DeitY, be disposed off or encumbered or utilized for the purposes other than those for which the grant has been sanctioned;
4. At the conclusion of the project, DeitY will be free to sell or otherwise dispose of the assets which are the property of DeitY and grantee institution shall render to DeitY the necessary support for facilitating the sale of these assets;
5. The grantee institution shall send to the DeitY at the end of each financial year as well as at the time of seeking further installments of the grant a list of assets referred to in (2) above;
6. Should at any time grantee institution cease to exist, such assets etc., shall revert to DeitY;
7. The grantee institution shall render progress-cum-achievement reports at interval of not exceeding six months on the progress made on all aspects of the project including expenditure incurred on various approved items during the period;
8. The grantee institution shall render an audited statement of accounts to DeitY;
9. The audited statement of accounts relating to grants given during financial year together with the comments of the auditor regarding the observance of the conditions governing the grant should be forwarded to the DeitY within six months following the end of the relevant financial year;
10. The utilization of grant for the intended purposes will be looked into by the Auditor of grantee institution according to the directives issued by the Government of India at the instance of the Comptroller and Auditor General and the specific mention about it will be made in the audit report;
11. DeitY or its nominee(s) will have the right of access to the books and accounts of the grantee institution for which a reasonable prior notice would be given;
12. The grantee institution should maintain separate audited account for the project. If it is found expedient to keep a part or whole of the grant in a bank

account earning interest, the interest, thus earned should be reported to this Department. The interest so earned will be treated as a credit to the grantee to be adjusted towards future installments of the grant;

13. Institute may retain the sale proceeds of prototypes, etc fabricated as a result of the development of the project arising directly from funds granted by the Department. The Institute may use funds thus generated for furtherance of project objectives.
14. The Intellectual property and the rights associated with it shall be agreed between the participating organizations before the start of the project. The Industry/ Industry Consortium/ Institution(s) will make all efforts to protect intellectual property generated out of the project. The institution(s)/industry would submit the periodic report to DeitY for a period of minimum 5years on the status of IPRs created/commercialization under the project. (5 years is the expected life time of product/technology). Furthermore, IPR must also reside in India so that India has access and complete control to these rights in times of emergency to protect our national interest.
15. Application by grantee institution for any other financial assistance or receipt of grant/loan from any other Agency/Ministry/Department for this project should have the prior approval of Department of Electronics & Information Technology.
16. The Grantee institution(s) is not allowed to entrust the implementation of this project for which grant-in-aid is received to another institution and to divert the grant-in-aid received from Department of Electronics & Information Technology as assistance to the later institution.
17. DeitY shall appoint a Project Review and Steering Group (PRSG) comprising of representatives from DeitY and other experts. PRSG will periodically monitor the project in all respects including technical and financial;
18. In case of any dispute on any matter, related to the project during the course of its implementation, the decision of the Secretary, DeitY, shall be final and binding on the proposal originating industry/ industry consortium and grantee institute.

[A certificate of acceptance of Terms & Conditions, as above, has to be given by proposal originating industry and grantee institution, as outlined below, while submitting the project proposal.]

1. We hereby accept the terms and conditions of grants, listed as above, for the project titled “..... ” submitted vide ref. no.dated to DeitY for grants-in-aid support.
2. The Chief Investigator at the Institute agrees to provide required support as detailed in the project proposal for successful implementation of the project.
3. Industry/ Industry Consortium agrees to provide required support as detailed in the project proposal for successful implementation of the project.

Sd/-
Signature of the Chief Coordinator

Sd/-
Signature of the Chief Investigator

Proposal originating Industry/ Industry Consortium
along with Department, Designation and Date

Sd/-
Signature of the Head of the
Proposal originating Industry
along with Designation, Date and Official Seal

(Grantee Institution) along with Department,
Designation and Date

Sd/-
Signature of the Head of the
Grantee Institution along with Designation,
Date and Official Seal

Proforma for Submitting R&D Project Proposal
for Seeking Financial Support under
Multiplier Grants Scheme *alias* Srijan: Prithvi
Department of Electronics & Information Technology, Government of India

PART I - SALIENT INFORMATION

1.	Project Title	:	
2.	Project Objective	:	
3.	Brief project outline with specific technology fall-outs	:	
4.	Project Duration	:	
5.	Proposed physical inputs, with equivalent financial value, to be contributed by: a. Industry/ Consortium b. Institution c. Others (Specify)	: : :	
6.	Total Budget outlay along with contributions from: a. Industry/ Consortium b. Institution c. DeitY d. Others (Specify)	: : : : :	Rs. (Details in Table 1 and 2) Rs. Rs. Rs. Rs.
7.	Expected output and outcome in physical terms	:	
8.	Major milestones with timelines	:	
9.	Objectively Verifiable Indicators for measuring the successful achievement of each of the milestones	:	
10.	Need and Justification for the project covering: a. Similar products/ technologies currently available	: :	

	<p>b. Incremental/ significant innovation(s)/ enhancement(s) planned in the project</p> <p>c. Evidence to support commercial viability of the proposed development/ new product and Likely End User(s)</p>	:	
11.	<p>Industry Organization</p> <p>a. Name</p> <p>b. Year of Incorporation</p> <p>c. Turnover [also indicate turnover in the proposed area of project]</p> <p>d. Address</p> <p>e. Legal status (MSME, Corporate Body, Industry Organization, Private Company with recognized R&D unit, etc.)</p> <p>f. Core Business Area of the Industry/ Consortium</p> <p>g. List three major Products manufactured by the Company</p> <p>h. Justification for taking-up the present project</p> <p>i. Availability of technical manpower to absorb the know-how generated</p> <p>j. Availability of requisite infrastructure for in-house production of the project output(s)</p> <p>k. Manufacturing tie-ups proposed, if any</p>	:	(Attach separate sheet, if required. In case of consortium, attach separate information for each industry)

12.	<p>Chief Coordinator Industry/ Consortium</p> <p>a. Name & Designation</p> <p>b. Department</p> <p>c. Address</p> <p>d. Telephone/ Fax/ e-Mail</p>	:	
13.	<p>Academic/ R&D Institution</p> <p>a. Name</p> <p>b. Address</p> <p>c. Legal status (Academic Institution, Research Institution, Registered Society, etc.)</p>	:	
14.	<p>Chief Investigator</p> <p>a. Name & Designation</p> <p>b. Department</p> <p>c. Address</p> <p>d. Telephone/ Fax/ e-Mail</p>	:	
15.	Name and brief details of other organizations jointly participating in the project (including organization(s) abroad)	:	
16.	Steps taken to ensure successful product/ technology development and commercialization	:	

PART II - BACKGROUND INFORMATION

1.	Project Title	:	
2.	i. Chief Coordinator - Industry/ Consortium ii. Chief Investigator - Institute iii. Co-Investigator - Institute	:	
3.	Other Investigators of the Project with their Designations	:	
4.	Brief Bio-data of the Chief Coordinator - Industry/ Consortium	:	(Please attach separate sheets, if required)
5.	Brief Bio-data of the Chief Investigator and Co- Investigator(s) - Institute (including publications/ patents/ Industry interaction/ Technology transfer)	:	(Please attach separate sheets, if required)
6.	Other Commitments of the Chief Investigator and Co- Investigator(s) (including teaching, research, other responsibilities, association with other projects, etc.)	:	
7.	Indicate the percentage of time the Chief Investigator and Co-Investigator(s) would devote to the project	:	
8.	Details of work done in related areas, including the ongoing/ completed projects (last three), by the Chief Investigator/ Co- Investigator(s)/ R&D Team i. Project Title ii. Funding Agency iii. Brief Project Summary iv. Technical Status vis-a-vis objectives v. Financial Status (Total Project outlay, expenditure to date)	:	

	vi. Duration and year of initiation vii. Industry interaction/ know-how transferred viii. Status	:	
		:	In progress/ Successfully completed on schedule/ abandoned.
9.	Brief summary of other project proposals (submitted by any of the Investigators) awaiting consideration of DeitY and/ or other funding agencies such as DST, DSIR, DRDO, MHRD, etc.	:	
10.	Infrastructure and other facilities available at the industry organization initiating this project: i. List of major equipment ii. Existing manpower and other personnel, with names, available for the project on full-time basis iii. Facilities for production, commercialization and marketing	:	
11.	Infrastructure and other facilities available at the institute for undertaking this project: i. List of major equipment ii. Existing manpower and other personnel, with names, available for the project on full-time basis	:	

Additional Information Required:

1. About the Industry(s): A brief write-up covering:

- i. Brief history of the prospective electronics/ IT company(ies) including core competency areas, products being manufactured, collaborators, etc. may be provided [including recent annual reports (three years) and company brochure];

- ii. Whether the industry/participating industry member(s) of industry consortium is(are) recognized by DSIR for the in-house R&D /STPI registered units/Export oriented units (EOU) registered with Ministry of Commerce/Technology startups(in existence of minimum two years). Please provide the supporting documents for the same.
 - iii. Please indicate the size of the in-house R&D set-up and its recent achievements in development of products/ processes/ technology, patent taken, etc.;
 - iv. Any other information in support of the proposal.
2. About the Institute: A brief write-up covering:
- i. Research Strengths, linkages with industry;
 - ii. A brief write-up on major R&D projects, up to five, taken-up by the institute;
 - iii. IPRs filed/ obtained; and
 - iv. Any other information in support of the proposal.

PART III - TECHNICAL INFORMATION

1.	Aim and Scope of the project (in terms of specific physical achievements)	:	
2.	Detailed description of the Project (including specifications to be attained, etc.)	:	
3.	Summary of similar work being done elsewhere in the country	:	
4.	Detailed PERT/ BAR Chart with intermediate milestones	:	(Attach Separate Sheet)
5.	List the personnel already working in the industry organization(s) and Institute who would be transferred to work full time on this project	:	
6.	Additional Manpower required and estimated time frame to position the same	:	
7.	<p>i. Specific problems, hold-ups and difficulties foreseen in the implementation of the project</p> <p>ii. How does Chief Investigator/ Chief Coordinator propose to overcome them?</p>	:	
8.	Details of possible alternative arrangements, if the Chief Investigator leaves institution or is unable for any other reason to continue on this project	:	

PART IV - RESOURCE REQUIREMENTS

Table - 1: Budget requirements (Rs.in lakhs)

Head	Industry Support *	DeitY Support	Others (Specify)	Total
Capital Equipment				
Consumable stores				
Manpower				
Travel				
Contingencies				
Any other Item(s) (Specify)				
Overheads, if any				
Total				

* If being provided by more than one entity, contribution to be made by each entity should be shown separately.

Table - 2: Budget requirements (Year-Wise) (Rs.in lakhs)

Head	1 st Year				2 nd Year (s).....			
	Industry Support *	DeitY Support	Others (Specify)	Total	Industry Support *	DeitY Support	Others (Specify)	Total
Capital Equipment								
Consumable stores								
Manpower								
Travel								
Contingencies								
Any other Item(s) (Specify)								
Overheads, if any								

Total								
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* If being provided by more than one entity, contribution to be made by each entity should be shown separately.

Table 3: Budget requirements - Capital Equipment (Rs.in lakhs)

S. No.	Item Description	Specifications	Cost
1.			
2.			
3.			
...			

Table-4: Manpower Details

(Rs. in Lakhs)

#	Designation	Monthly Salary	1 st Year		2 nd Year		Total (**)
			# of Posts (*)	Total Salary (**)	(*)	(**)	
1.							
2.							
3.							
...							
	Total						

PART V - ENDORSEMENT BY THE HEADS OF THE INDUSTRY/ INDUSTRY CONSORTIUM AND INSTITUTION

1. We hereby submit the project proposal titled "..... .." for consideration of the Department of Electronics & Information Technology, Government of India.
2. We agree to abide by the terms & conditions governing the grant-in-aid.
3. In case the project is approved, we undertake to:
 - i. make available facilities to carry it out, and agree to provide requisite support for the successful completion of the project.
 - ii. arrange for the submission of periodic progress reports and other information that may be required by the Department of Electronics & Information Technology and in general to ensure that the conditions attached to the award of such grant are fulfilled by our institution/ organization(s).
4. We certify that in case present chief coordinator/ investigator is not available for any reason to continue work on this project, the following persons will be available to carry it through to completion:

Sl. No. Name Designation 1.

2.

5. The Industry/ Industry Consortium and Institution(s) have reached a formal agreement on distribution of responsibilities, IPR sharing, sharing of royalty/lumpsum, and know-how transfer mechanism from the institute to the Industry/ Industry Consortium. A copy of the same is enclosed.
6. We certify that the i) Industry/ Consortium and Institution do not have common Director(s)/ Trustee(s); and ii) the Project Chief Coordinator (Industry/ Consortium) and Chief Investigator (Institute) are not related to any of the Director(s)/ Trustee(s) of the Industry/ Consortium and Institution.
7. We certify that we are the competent authority, by the virtue of the administrative and financial powers vested in us by and to undertake the above stated commitments on behalf of our institution/ organization(s).
8. The information provided is correct.

(Sd/-)

Signature of the Chief Industry Coordinator
Designation and Date

(Sd/-)

Signature of the Chief Investigator
Designation and Date

Sd/-

Signature and Official Seal of the
Head of the Industry Organization/ Consortium
Designation
Date:

Sd/-

Signature and Official Seal of the
Head of the Institution
Designation
Date:

Annexure-3: Suggestive list of items to be included in the formal Agreement

The prospective Industry/ Industry Consortium and the Institute(s) shall enter into an agreement for the purpose of distribution of responsibilities, IPR sharing, sharing of royalty/lumpsum, and know-how transfer mechanism from the institute(s) to the Industry/ Industry Consortium. The agreement shall cover the following items:

- i. Name of the product/ sub-assembly to be developed under the project;
- ii. Responsibilities of Industry/ Industry Consortium, and the Institute(s);
- iii. Protection of intellectual property generated out of the project;
- iv. The manner of sharing Intellectual property and the rights associated with it between Industry/ Industry Consortium and the Institute(s);
- v. The manner of transferring know-how generated in the project by the institute(s) to the Industry/ Industry Consortium;
- vi. The royalty received by the Institute would be shared with the core project team at the institute, as per the Institute rules; and
- vii. Confirmation to the effect that the Industry/ Industry Consortium and the Institute shall duly acknowledge the support of the DeitY in the professional literature and commercial/ publicity material.
