A Handbook of Key Public Support Schemes For Innovation Promotion in SMEs

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सूक्ष्म, लघु एवं मध्यम उद्यम
एमएसएमई
msme
Micro, Small & Medium Enterprises

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GOVERNMENT OF INDIA
MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES
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FOREWORD

Indian economy is continuously growing at a fast rate. Micro, Small, and Medium Enterprises (MSME) sector has been providing a major contribution in India's overall growth story. The significant role played by MSMEs in job creation, manufacturing growth, fostering entrepreneurship and innovation is well known. It is in line with other major global economies. Success of "Make in India" campaign is closely linked with the enhanced competitiveness and growth of the MSME sector.

The Ministry of MSME, Govt. of India – being the nodal ministry for MSME sector - has large number of support schemes, being implemented with an objective to enhance the competitiveness, innovation capacity, and sustainability of MSMEs. While Ministry of MSME is spearheading the promotion, development and creation of enabling policy frameworks and ecosystem for enterprise creation in the country, there are several other sectoral and functional ministries that run support programmes for promoting innovation in small and medium businesses.

This publication intends to serve as a comprehensive compendium of information on various schemes promoting Innovation in small and medium enterprises. I appreciate the efforts taken by the Innovation Promotion Project (Indo German Bilateral Development Cooperation Project jointly being implemented by GIZ and the O/o DC MSME, Ministry of MSME) in bringing out this handbook of innovation promotion schemes of various ministries.

I am hopeful that this publication would be helpful to entrepreneurs belonging to small and medium sector, and other stakeholders such as academic and research institutions, business organizations and private technology service providers.

I convey my best wishes to this endeavour.

(Dr. Arun K Panda)

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PREFACE

The MSME sector, contributes significantly to India's growing GDP. The sector will inevitably support India to improve nation's financial inclusion and mitigate the urban rural divide. It is expected that by 2020, India will have the largest job ready youth population in the world and with favorable business ecosystem in the manufacturing sector it will generate employment of significant level.

Innovation assumes a significant importance in MSMEs and is particularly crucial when MSME are an integral part of the value chain in manufacturing and service sector. The support from the government for MSME sector plays a vital role for enhancing the innovativeness and competitiveness of this sector.

'Innovation promotion in MSME Clusters' is a project under the framework of Indo-German technical cooperation. The project is supported by Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by Office of Development Commissioner MSME, Ministry of Micro Small and Medium Enterprises, Government of India and Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ).

The project aims to improve the local innovation ecosystem through fostering cooperation between different stakeholders and strengthening the innovation management capacity and sustainability of MSMEs in India.

The project also works to improve access of MSMEs to the various innovation promotion tools. In this context, this publication has been compiled to act as a quick reference of prominent innovation promoting support schemes of the government of India. This is not an exhaustive list of all support schemes and for additional details of scheme readers are requested to visit the websites of the concerned ministries provided in the description.

I sincerely hope the publication will be useful to MSMEs, Business Associations, Academics and researchers and all other relevant stakeholders and will help in enhancing awareness amongst enterprises regarding schemes and policies.

Wolfgang Leidig
Director, Private Sector Development;
GIZ India

Abbreviations

AIC	Atal Innovation Center
A2K+	Access to Knowledge for Technology Development & Dissemination
BCIL	Biotech Consortium India Limited
BEE	Burro of Energy Efficiency
BIPP	Biotechnology Industry Partnership Programme
BIRAC	Biotechnology Industry Research Assistance Council
BMO	Business Membership Organisation
CLCSS	Credit Linked Capital Subsidy Scheme
CRS	Contract Research Scheme
DeitY	Department of Electronics & Information Technology
DPR	Detailed Project Reports
DSIR	Department of Scientific and Industrial Research
DST	Department of Science & Technology
EET	Energy Efficient Technologies
EOI	Expression of Interest
GEDA	Gujrat Energy Development Agency
GS1	Global Standard 1
ICTE	Information & Communication Technology in Education
IDP	Instrument Development Program
IPR	Intellectual Property Rights
IIT	Indian Institute of Technology
LMCS	Lean Manufacturing Competitiveness
MATU	Marketing Assistance and Technology Up-gradation
MGS	Multiplier Grants Scheme
MoEFCC	Ministry of Environment Forests and Climate Change
MSME	Micro, Small, and Medium Enterprises
NGO	Non Government Organisation
NID	National Institute of Design
NMIU	National Monitoring and Implementing Units
NPC	National Productivity Council
NRDC	National Research Development Corporation
PACE	Patent Acquisition &Collaborative Research & Technology Development
PRISM	Promoting Innovations in Individuals, Start-ups and MSMEs
QCI	Quality Council of India
RFP	Request for Proposal

S3T	Seamless Scale-up Support
SBIRI	Small Business Innovation Research Initiative
SEED	Science for Equity, Empowerment and Development
SERB	Science and Engineering Research Board
SIIP	Social Innovation Immersion Program
SIP-EIT	Support for International Patent Protection in Electronics
SMA	SBIRI Management Agency
SPARSH	Social Innovation programme for Products: Affordable & Relevant to Societal Health
SPV	Special Purpose Vehicle
SRIJAN	TIFAC-SIDBI Revolving Fund for Technology Innovation Programme
STF	Supplementary TePP Fund
STW	Science & Technology for Women
TDDP	Technology Development and Demonstration Program
TDUPW	Technology Development & Utilisation Programme for Women
TePP	Technopreneur Promotion Programme
TEQUP	Technology and Quality Upgradation
TIFAC	Technology Information, Forecasting and Assessment Council
TPF	TePP Project Fund
TSDP	Technology Systems Development Programme

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Introduction

Micro, small and medium-sized enterprises (MSMEs) are engines of economic growth and principle sources of employment across the globe. Experiences round the world show how wealth and employment generation is directly proportional to the rate at which the technological breakthroughs are converted into practical solutions. Innovation-the process of translating ideas/technological breakthroughs into replicable goods and services-thus becomes most critical factor for SMEs for enhancing its competitiveness. This holds true for Indian SMEs as well, particularly in context of 'Make in India' initiative of the government.

Indian SMEs have undergone significant structural changes owing to the remedial measure undertaken to keep the sector competitive in the globalised economy. Over the years, we have been witnessing increased capacity of Indian SMEs to reap the award of scientific/technological advancements. However, merely availability and access to technology is not adequate prerequisite for SMEs to become innovative. Access to finance for translating ideas into product is a major requirement. Further, business skills and managerial capacity, expert mentorship and guidance and protecting the intellectual property/ideas are equally important SMEs to develop and sustain their innovativeness. Government has come up with several programmes and policy support to promote innovation in SME sector and to build the innovation management capacity of SMEs.

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The project aims to improve the local innovation ecosystem through fostering cooperation between different stakeholders and strengthening the innovation management capacity and sustainability of MSMEs in India.

Under the ambit of MSME INNO, this handbook is an attempt to provide information to MSMEs on some of the key innovation promotion schemes being implemented by various government ministries and departments at one place. The schemes that have been covered under the handbook are limited to those that have been designed to boost the innovation competencies of the MSME sector. The purpose of handbook is to serve as reference text for enterprises that wish to select the best suited scheme for their respective businesses. Information provided on the schemes underlines salient features of schemes, application process and provides reference for seeking further information on the scheme.

To make the information access easy, schemes have been categorised of as per their main focus in following 5 broad categories:

- Schemes **supporting Ideation / proof of concept**
- Schemes for **Technology development & Process Innovation**
- Schemes promoting **Research & Development**
- Schemes to **Protect Innovation**
- **Other Schemes**

For quick reference from the perspective of users, categorisation has also been done on the basis of eligible applicants; like

- Individual
- Enterprises
- Industry- Academia Consortia
- Academia & R&D Institutes
- BMO & other knowledge providers (NGOs etc)

Schemes at a glance

The table below provides the list of schemes on basis of nature of applicant institutions/individuals. It has to be noted however, that several of these schemes have various component and can be applied by more than one stakeholder.

Table 1: Scheme Classification on basis of Applicants

Nature of Applicant	Name of Schemes
Individual	1. Technopreneur Promotion Programme (Tepp) 2. PRISM (Promoting Innovations in Individuals, Start-ups and MSMEs) 3. Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH) 4. Support for setting up of 'Business Incubators'
Enterprise	1. Small Business Innovation Research Initiative (SBIRI) 2. Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH) 3. Biotechnology Industry Partnership Programme (BIPP) 4. Credit Link Capital Subsidy Scheme (CLCSS) for Technology Upgradation 5. Lean Manufacturing Competitiveness Scheme for MSMEs 6. Design Clinic Scheme 7. Financial Assistance on Bar-Code 8. Marketing Assistance and Technology Up-gradation of MSMEs 9. Technology and Quality Upgradation (TEQUP) Support to MSMEs 10. Support for setting up of 'Business Incubators' 11. Multiplier Grants Scheme- "Srrijan: Prithvi" 12. Support for International Patent Protection in Electronics and IT (SIP-EIT) II 13. Technology Development & Utilisation Programme for Women (TDUPW)

Nature of Applicant	Name of Schemes
Enterprise	14. PRISM (Promoting Innovations in Individuals, Start-ups and MSMEs) 15. Access to Knowledge for Technology Development and Dissemination (A2K+) 16. Technology Development and Demonstration Program (TDDP) 17. Patent Acquisition and Collaborative Research and Technology Development(PACE) 18. Development and Promotion of Clean Technology & Waste Minimisation Strategies 19. TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN) 20. Atal Innovation Mission (AIM)
Industry-Academia Consortia	1. Small Business Innovation Research Initiative (SBIRI) 2. Contract Research Scheme (CRS) 3. Biotechnology Industry Partnership Programme (BIPP) 4. Technology Systems Development Programme (TSDP) 5. Instrument Development Programme (IDP) 6. Technology Development and Demonstration Program (TDDP) 7. Patent Acquisition and Collaborative Research and Technology Development (PACE) 8. Scheme for Funding Industry Relevant R&D 9. TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN) 10. Atal Innovation Mission (AIM)
Academia & R&D Institutes	1. Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH) 2. Design Clinic Scheme 3. Technology and Quality Upgradation Support to MSMEs(TEQUP) 4. Multiplier Grants Scheme- "Srrijan: Prithvi" 5. Grant-in-aid for funding R&D Projects 6. Scheme to support Intellectual Property Rights (IPR) Awareness Workshops/ Seminars in E&IT sector 7. Technology Systems Development Programme (TSDP) 8. Instrument Development Programme (IDP) 9. Technology Development & Utilisation Programme for Women (TDUPW) 10. Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM)

Nature of Applicant	Name of Schemes
	11. Access to Knowledge for Technology Development and Dissemination (A2K+) 12. Development and Promotion of Clean Technology & Waste Minimisation Strategies 13. Science & Technology for Women 14. Technology Information, Forecasting& Assessment Council (TIFAC)- MSME Internship Scheme 15. TIFAC Capacity Building Programme for MSMEs 16. Atal Innovation Mission (AIM)
BMO & other knowledge providers (NGOsetc)	1. Marketing Assistance and Technology Up-gradation of MSMEs 2. Technology and Quality Upgradation Support to MSMEs(TEQUP) 3. Scheme to support Intellectual Property Rights (IPR) awareness workshops/ seminars in E&IT sector 4. Technology Development & Utilisation Programme for Women (TDUPW) 5. Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) 6. Development and Promotion of Clean Technology & Waste Minimisation Strategies 7. Science & Technology for Women 8. TIFAC Capacity Building Programme for MSMEs 9. Atal Innovation Mission (AIM)

Scheme classification based on nature of support

The handbook provides brief outline of innovation promotion schemes and these schemes are categorised into 5 broad categories based on the phase of Innovation on which scheme provides support, like;

- Ideation / Proof of Concept
- Technology development and process innovation
- Research & Development
- Patent Protection Fund
- Others (capacity building etc.)

Table 2: Scheme Classification based on nature of support

Phase	Name of Schemes
Ideation / Proof of Concept	1. Small Business Innovation Research Initiative (SBIRI) 2. Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH) 3. Support for setting up of 'Business Incubators' 4. Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) 5. Technopreneur Promotion Programme (TePP) 6. Atal Innovation Mission (AIM)
Technology Development & Process Innovation	1. Contract Research Scheme (CRS) 2. Biotechnology Industry Partnership Programme (BIPP) 3. Credit Link Capital Subsidy Scheme (CLCSS) for Technology Upgradation 4. Lean manufacturing competitiveness scheme for MSMEs 5. Design Clinic Scheme 6. Marketing Assistance and Technology Up-gradation of MSMEs 7. Technology and Quality Upgradation Support to MSMEs(TEQUP) 8. Multiplier Grants Scheme- "Srrijan: Prithvi" 9. Technology Systems Development Programme (TSDP) 10. Instrument Development Programme (IDP) 11. Technology Development & Utilisation Programme for Women (TDUPW) 12. Technology Development and Demonstration Program (TDDP) 13. Development and Promotion of Clean Technology And Waste Minimisation Strategies 14. Science & Technology for Women 15. TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN)

Phase	Name of Schemes
Research & Development (R&D)	1. Access to Knowledge for Technology Development and Dissemination (A2K+) 2. Grant-in-aid for funding R&D Projects 3. Scheme for Funding Industry Relevant R&D
Patent Protection Funds	1. Financial Assistance on Bar-Code 2. Support for International Patent Protection in Electronics and IT (SIP-EIT) II 3. Scheme to support Intellectual Property Right (IPR)awareness workshops/ seminars in E&IT sector 4. Patent Acquisition and Collaborative Research and Technology Development (PACE) 5. Building Awareness on Intellectual Property Rights' (IPR) for MSMEs
Others	1. TIFAC- MSME Internship Scheme 2. TIFAC Capacity Building Programme for MSMEs

We hope that handbook will help generate awareness among relevant actors on the schemes and encourage them to avail them.

Part 1

Schemes Promoting Ideation

1.1 Small Business Innovation Research Initiative (SBIRI) 2

1.2 Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH) 3

1.3 Support for Entrepreneurial and Managerial Development of SMEs Through Incubators 4

1.4 Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) 5

1.5 Technopreneur Promotion Programme (TePP) 6

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1.1 Small Business Innovation Research Initiative (SBIRI)

Objective & Brief Description of the Scheme

The Small Business Innovation Research Initiative (SBIRI) is implemented by the Department of Biotechnology, Ministry of Science & Technology. The scheme aims to facilitate innovation, by bringing together the private industry, public institutions and the government under one roof to promote the research in the Indian Biotech Sector. The objectives of the scheme are to provide support for early stage (pre-proof-of-concept) research and late-stage development and Commercialisation of new indigenous technologies. Scheme has direct focus to nurture and mentor innovative and emerging technologies/entrepreneurs and to assist new enterprises to forge appropriate linkages with academia and government.

Eligible Applicant

- Industry; and Jointly by Industry and National R&D Organisations and Institutions: or
- Group of industries/users, national research organisations etc.
- The applicant company should have well established in-house R&D unit recognised by Department of Scientific and Industrial Research (DSIR) or have patent rights.

Components of Scheme & Extent of Financial Support

Phase I: **Early stage pre-proof of concept research**

- 80% of the project cost as grant, if the actual project cost is up to INR 25 lakhs.
- 50% of the project cost will be avail grant, if the actual project cost is between INR 25 lakhs and INR 100 lakhs (subject to a minimum of INR 20 lakhs and maximum of INR 50 lakhs).
- If the project cost is beyond INR 100 lakhs, in addition to the Govt. grant of INR 50 lakhs, the unit will be eligible for interest free loan upto 50% of the amount (subject to a limit of INR 50 lakhs as loan) by which the total project cost exceeds INR 100 lakhs.

Phase II: **Development & commercialisation of new technologies**

- Soft loan upto INR 10 crores is provided for a project as per its requirement.
- Soft loan upto INR 1 Crore carry a simple interest of 1% while the interest rate is 2% (simple interest) on the amount of loan beyond INR 1 Crore.
- The partner in the public institution at this stage gets the R&D support as grant.

Application Process

- Call for Proposal. Application available at: http://www.birac.nic.in/desc_new.php?id=217

Remarks

- Biotech Consortium India Limited (BCIL) is the SBIRI Management Agency (SMA).
- Applicant should have patent granted or applicant should be incubated at an Incubation Centre/ Biotech Park which has a valid DSIR/SIRO Certificate.

1.2 Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH)

Objective & Brief Description of the Scheme

The scheme is initiated by Biotechnology Industry Research Assistance Council (BIRAC) under the aegis of Department of Biotechnology, Government of India. The objectives of the scheme are to identify and provide support to cutting edge innovations towards affordable product development that can bring significant social impact and address challenges of inclusive growth. The scheme provides support in form of impact funding of biotech product innovations that can be scaled and provides a platform to share best practices, understand intricacies of business models in social innovation and network.

Eligible Applicant

- Biotechnology Indian start-ups; and Companies
- Scientists, Researchers, Ph.Ds, Medical Degree Holders, Biomedical Engineering Graduates

Components of Scheme & Extent of Financial Support

Component I: Affordable Product Development

- Idea to proof of concept
  - o Grant-in-aid assistance up to Rs. 50 lakhs for a period up to 18 months
- Proof of Concept to Validation
  - o Mix of Grant-in-aid (up to 50 Lakhs) & loan assistance upto INR 100 lakhs, over the period up to 24 months
- Access to innovative pilot scale delivery models
  - o Mix of Grant-in-aid (up to 50 Lakhs) & loan assistance up to of 24 months. The project cost sanctioned for the Company is matched equally by BIRAC and the Company

Component II: Social Innovation Immersion Program (SIIP)

- SIIP creates a pool of biotech "Social Innovators" who help bridge the gaps either through an innovative product development or services
  - o Fellowship amount INR 35,000 – 50,000/month
  - o Mini-kickstart grant of INR 5lakhs per fellow

Application Process

Online application based on Call for proposal. Detail guidelines and applications available at: http://birac.nic.in/desc_new.php?id=110

1.3 Support for Entrepreneurial and Managerial Development of SMEs Through Incubators

Brief Description of the Scheme

The scheme is implemented by office of DC MSME, Ministry of MSME. The objective of the scheme is to provide early stage funding for nurturing innovative business ideas (new indigenous technology, processes, products, procedure etc.) which could be commercialised in a year. The scheme aims to sustain the incubation of ideas that would have otherwise been lost for want of support. It also seeks to promote networking and forging of linkages with other constituents of the innovation chain for Commercialisation of their developments.

Eligible Applicant

- Any individual or MSME with an innovative idea near commercialisation
- Technical, research & academic institutions

Components of Scheme & Extent of Financial Support

- Scheme provides funding support for setting up of 'Business Incubators (total 100). Each incubator is expected to support 100 new ideas or MSME units
- Financial support up to INR 4-8 lakh for each innovative idea
- The Scheme is implemented in a Public Private Partnership mode with expected private participation between 15% (in case of micro enterprises) to 25% (for small enterprises).
- The overall ceiling of fund is of INR 62.5 lakh for each Business Incubator

Application Process

Application has to be made to the 'Host' institutions. Details available at:
http://www.dcmsme.gov.in/schemes/Incubators10.pdf

Remarks

The host institutions applies to office of Development Commissioner– MSME (DC-MSME) or their nearest DIs for funding support

1.4 Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM)

Objective & Brief Description of the Scheme

Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) scheme is implemented by the Department of Scientific and Industrial Research; Ministry of Science & Technology. The scheme aims to develop new technology solutions aimed at helping MSME clusters. The objective of the scheme is to support individual innovators in transforming their innovative ideas into working prototypes/models/processes.

Eligible Applicant

Any individual, Industry or Organisations

Components of Scheme & Extent of Financial Support

The support under scheme is under following areas:

Phase I: **Proof of Concept/ Prototypes/ Models**

- Scheme supports project cost up to Rs. 5 lakh to help innovators to convert their ideas into demonstrable models/prototypes.
- Support up to 90% of the total project cost (maximum of INR 2 Lakh).

Innovation Incubation

- Fabrication of working model/process know - how/testing and trial/patenting/technology transfer etc.
- Maximum support may be limited to INR 20 lakh or 90% of the total project cost whichever is lower.

Phase-II: **Enterprise Incubation**

- Support up to 50% of total project cost (maximum of 50 lakh).
- Support is for scaling up technology based innovations, including patenting / design registration / trademark registry / technology transfer to develop a marketable product / process towards enterprise creation.

R&D Proposals

- Support up to 50% of the total project cost(limited to 50.00 lakh) for developing technology solutions aimed at helping MSME clusters.

Application Process

Proposal in prescribed formats based on call for proposals. Formats and guidelines available at http://www.dsir.gov.in/12plan/prism/prism.htm

Remarks:

Focus sectors include-green technology, clean energy, industrially utilisable smart materials, waste to wealth, affordable healthcare, water & sewage management and any other technology or knowledge intensive area.

1.5 Technopreneur Promotion Programme (TePP)

Objective & Brief Description of the Scheme

The Technopreneur Promotion Programme (TePP) is operated by the Department of Scientific and Industrial Research, Ministry of Science & Technology. The scheme promotes individual innovators to become technology-based entrepreneurs. The specific objective of the programme is to promote and support untapped creativity of individual innovators and assist them in networking and forging linkages with other constituents of the innovation chain for Commercialisation of their developments.

Eligible Applicant

Any individual with an original idea/invention/know-how is eligible to apply.

Components of Scheme & Extent of Financial Support

TePP supports the following schemes to meet the financial needs of the innovators:

Phase I

- Micro Technopreneurship Support (TS): Up to INR 0.75 lakhs.
  - o For micro budget innovations Initial support to TePP Project Fund (TPF) applicants to work further on their ideas to the point they can be considered under TPF.
- TePP Project Fund (TPF): Up to INR 15 lakhs per project.
  - o Support for converting original idea/invention/know-how into working prototypes/process and/or demonstrate novel delivery models to take S&T innovations to rural India.

Phase II

- Supplementary TePP Fund (STF): Up to INR 7.50 lakhs.
  - o To successful TePP innovators for improving transferability potential of innovations supported under Phase-I, by supporting value added activities like patent filing, testing/ validation, improved prototype/design etc.
- Seamless Scale-up Support (S3T): Up to INR 45 lakhs.
  - o Proposals aim at incubating enterprise promoted by TePP Phase-I Innovator.

Application Process

Detailed information and application form, available at: Website: www.dsir.gov.in.

Remarks:

TePP assistance is provided to the innovator to meet expenditure consultancy, procuring small equipment, tools etc.; raw material / aaccessories (for prototype / process trials); fabrication cost (for prototypes); patent guidance and support; testing and trials etc.

1.6 Atal Innovation Mission (AIM)

Objective & Brief Description of the Scheme

Atal Innovation Mission (AIM) has been set up by the Government of India to promote a culture of innovation and entrepreneurship in the country. The scheme is implemented by NITI Ayog. AIM addresses the need of creating high class incubation facilities with suitable physical infrastructure (capital equipment and operating facilities); coupled with the availability of sector experts for mentoring the start-ups. The objective of the scheme is to serve as a platform for promotion of world-class Innovation hubs, grand challenges, start-up businesses and other self-employment activities, particularly in technology driven areas. AIM has two core functions: a) entrepreneurship promotion (through self-employment and talent utilisation) and; b) Innovation promotion (by providing platform to generate ideas).

Eligible Applicant

For Atal Tinkering Laboratories

- Schools managed by Government, local body or private trusts/society

For Atal Incubation Centers

- Public/Private funded institutions or in Public Private Partnership (PPP) mode
- Academic/ R&D Institutes or a group of individuals
- 3 Special Purpose Vehicle (SPV) both as 'not for profit' or 'for profit' company

For Scale-up Support to Established Incubation Centres

- Incubation Centers, registered in India as a legal entity in public, private or public-private partnership mode, which are in operation for a minimum three years

Components of Scheme & Extent of Financial Support

The Scheme provides support for 3 major components:

A. Atal Tinkering Laboratories

Atal Tinkering Laboratories (ATLs) to be set up in schools across India. The objective of this scheme is to foster curiosity, creativity and imagination in young minds; and inculcate skills such as design mindset, computational thinking, adaptive learning, physical computing etc. ATL provides children chance to work with tools and equipment to understand what, how and why aspects of STEM (Science, Technology, Engineering and Math).

Financial Support

- Provide one-time establishment cost of Rs. 10 lakhs; and
- Operational expenses of Rs. 10 lakh for a maximum period of 5 years to each ATL.

B. Atal Incubation Centres (AICs)

Financial support is provided to setup AIC with an objective to promote and establish incubation centers for supporting and encouraging start-ups in specific subjects/sectors such as manufacturing, transport, energy, health, education, agriculture, water and sanitation etc. The grant provides them with necessary infrastructure facilities and other value added services.

Financial Support

- A maximum of of 50% of the total project cost as grant-in-aid subject to a maximum of of INR 10 crore to cover capital and operational expenditure.
- The ratio between capital and operational expenditure is flexible and decided by the applicant.
- Grant-in-aid is disbursed in a phased manner as per the budget plan submitted by the applicant.

C. Scale-up Support to Established Incubation Centers

This component of scheme is designed to enhance the capacity of the established Incubation Centers in the country. The scheme aims to radically transform the start-up ecosystem in the country by upgrading the already established Incubation Centers to world-class standards.

Financial Support

- Grant-in-aid support of INR 10 crore provided in two annual installments of INR 5 crore each.
- The scheme will be in operation for a period six years. An Established Incubation Center would be eligible to avail grant-in-aid under this scheme for a maximum of three times.

Application Process

Call for Proposal& online application. Details of proposal are available online at:

http://niti.gov.in/content/atal-innovation-mission-aim

Remarks:

Suggested scope of areas / sectors for establishing incubation centers are:

- Agriculture and Allied Fields
- Bio Technology
- Building Materials/Construction Technology
- Electricity, New and Renewable Energy and Environmental sustainability
- Education
- Health and Pharmaceuticals
- Information & Communication Technology (ICT)
- Sensor Technology
- Manufacturing and Engineering
- Micro and Nano Electronics
- New Materials including Nano Materials
- Water, Sanitation and Solid Waste Management
- Housing – Urban and Rural
- Transport
- Other emerging areas or of social / national importance

Part 2

Schemes Promoting Technology and Process Innovation

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2.1 Contract Research Scheme (CRS)

Brief Description of the Scheme

Contract Research Scheme (SRS) scheme is implemented by Biotechnology Industry Research Assistance Council (BIRAC), under Department of Biotechnology (DBT). The scheme is limited to the Biotechnology Sector and aims to facilitate the academia-industry interaction and to take forward the research leads of Academic Universities and Research Institutes through validation and translation by industry. This scheme enables the lab scale technology of the academia to reach the commercial scale along with the industry under a specific contract and fee structure. CRS applies innovation as a coherent plan to deliver academic capabilities of translational research towards product development.

Eligible Applicant

Academia (Public/Private universities and research institutions) as Primary Applicant in partnership with a company.

Components of Scheme & Extent of Financial Support

The support is for contract research and service opportunity for validating academic technologies.

Contract Research

Academia provides Proof-of-Concept/leads to the industry which in turn validates functionally. The validation provides sufficient data and evidence as its outcome and may include:

- Exploratory validation of technology: creation of a prototype or moving the lab scale level quantity to a batch level quantity for validation
- Small scale contract research, resulting in generating several batches of process or creation of multiple prototypes to engage in comparative evaluation and process refinement while fixing standard parameters
- Large scale validation: augmenting the prototype to commercial design in case of design related research or moving the process parameters to optimized process efficiency that can be accomplished in commercial batch size in any of the biotech sector

Contract Service

- The requirements of the academic groups for some specific services from the industry such as toxicology studies, gene sequencing, studies using specific industrial equipment etc. forming a part of validation of Proof of Concept can be supported
- There should be clear justification for services to be outsourced

Application Process

Proposals are required to be submitted online during an active call for proposal (generally 2 calls are made in a year). Details available at : http://birac.nic.in/uploads/new_crs_guide.pdf

Remarks:

Industry partner having DSIR recognized in-house R&D unit

2.2 Biotechnology Industry Partnership Programme (BIPP)

Brief Description of the Scheme

Biotechnology Industry Partnership Programme (BIPP) is implemented by Biotechnology Industry Research Assistance Council; Department of Biotechnology, MS&T. The scheme promotes government partnership with industries for public support on a cost sharing basis for path-breaking research in frontier futuristic technology areas having major economic potential. Programme focuses on development of appropriate technologies in the context of recognized national priorities in the area of agriculture, health, bio-energy and green manufacturing, when the scale of the problem has serious consequences for social and economic development.

Eligible Applicant

- Indian company;
- Jointly by company/companies and National R&D Organisations and Institutions

Components of Scheme & Extent of Financial Support

This scheme provides for a BIPP contribution of up to 50% of project cost as Grant- In- Aid and remaining cost is to be met through the company's contribution.

BIPP promotes government partnership in four broad categories:

1. For fulfilling major unmet national technology needs:
   Mainly for areas of high national relevance with no assured market (health, agriculture, energy and environment friendly / green manufacturing area)
2. For increasing global competitiveness of Indian Industry in new and futuristic technology
   Support for high risk, accelerated technology development(nano science application, bio-based energy related advanced biotechnologies etc)
3. For evaluation and validation of already products of high national importance (clinical trials and field trials)
4. Shared major facilities around technology platform as core facilities
   for establishment of core facilities to advance research in futuristic technologies and science

Application Process

Proposal to be submitted online only at BIRAC website. http://www.birac.nic.in

Remarks:

- This is an Advanced Technology Scheme only for high risk, transformational technology/ process development and hence NO incremental development is supported under BIPP.
- Applicant Industry to having DSIR recognized in-house R&D unit

2.3 Credit Linked Capital Subsidy Scheme for Technology Upgradation (CLCSS)

Objective & Brief Description of the Scheme

Credit Linked Capital Subsidy Scheme (CLCSS) scheme is implemented by office of the DC MSME; Ministry of MSME. The scheme aims at facilitating technology up-gradation of micro and small enterprises by providing capital subsidy on institutional finance availed by them for induction of well established and improved technology in approved sub-sectors/products.

Eligible Applicant

- Micro and Small Enterprises (priority to women entrepreneurs)
- Banks and Financial Institutions can apply to DC-MSME for availing support.

Components of Scheme & Extent of Financial Support

- Capital subsidy of 15% on credit availed for technology up gradation in specified sectors.
- The maximum limit of eligible loan is INR 1 crore Accordingly, the ceiling on subsidy is INR15 lakh or 15 percent of the investment in eligible plant and machinery, whichever is lower.
- Financial assistance is provided in the form of subsidy for availing credit and loan through eligible Primary Lending Institutions (all scheduled commercial banks, Scheduled Cooperatives Bank, Regional Rural Banks, State Financial Corporations, and North Eastern Development Financial Institution.)

Application Process

MSMEs to contact banks and lending institutions for the assistance (all scheduled commercial bank, regional rural banks, state financial corporation & north eastern development financial institution)

Remarks

- The beneficiary unit shall remain in commercial production for a period of at least three years after installation of eligible plant and machinery on which subsidy under CLCSS has been availed.
- Replacement of existing equipment/technology with the same equipment/technology & upgrading with second hand machinery does not qualify for subsidy under this scheme.
- Units availing subsidy under the CLCSS shall not avail any other subsidy for technology upgradation from the Central/State/UT Government.
- A list of eligible Technologies & sectors/products the scheme covers is available at http://www.dcmsme.gov.in/schemes/SCLCS_FOR_TU_SSI_UNITS.pdf
- There is provision of adding additional technologies in this list with due approval.

2.4 Lean Manufacturing Competitiveness of Micro Small and Medium Enterprises (LMCS)

Objective & Brief Description of the Scheme

Lean Manufacturing Competitiveness of Micro Small and Medium Enterprises (LMCS) scheme is administered by office of DC MSME, Ministry of MSME. The objective of the scheme is to enhance the manufacturing competitiveness of MSMEs through the application of various Lean Manufacturing (LM) Techniques. The approach involves engagement of Lean Manufacturing Consultants (LMCs) to assess the existing manufacturing system of member units of the Mini Cluster/s and stipulate detailed step by step procedures and schedules for implementing and achieving of lean techniques.

Eligible Applicant

- Industry Associations
- Group of MSMEs (approx 6-10 MSME units)

Components of Scheme & Extent of Financial Support

Scheme provides financial assistance for implementation of Lean Manufacturing Techniques, primarily cost of Lean Manufacturing Consultant.

- 80% of cost of Lean Manufacturing consultant is provided by the scheme (whereas, the remaining 20% is contributed by the Special Purpose Vehicle (SPV)/SMEs)

Application Process

Scheme is implemented by National Monitoring and Implementing Units (NMIU) - NPC and QCI. The application under the scheme can be made directly to NMIU

- **National Productivity Council- NPC**
  http://www.npcindia.gov.in/wp-content/uploads/2015/09/%C3%98-Up-scaled_-Revised-2013-Lean-Manufacturing-Competitiveness-Scheme-LMCS.html
- **Quality Council of India- QCI**
  http://lmcp.nabet.qci.org.in/frmUserLoginCreation.aspx?url=-8587150562777667808

Remarks

- LMCs are required to formalise their association by forming a SPV (trust/ society/ company).
- NMIU maintains a panel of lean manufacturing Consultant that can be utilised by SMEs.

2.5 Building Design Expertise of MSMEs (Design clinic scheme)

Objective & Brief Description of the Scheme

Design clinic scheme is administered by Office of DC MSME, Ministry of MSME. The objective of the scheme is to enhance the understanding and application of design and innovation in MSMEs. It aims to increase the competitiveness of MSMEs by providing expert advice and solutions on real time design problems, resulting in continuous improvement and value addition for existing products. The approach in the scheme is to bring MSMEs and the design experts on a common platform.

Eligible Applicant

- MSMEs or Group of MSMEs as prime applicant
- Expert agencies for conducting seminars and workshops
- Academic Institutes, design consultants as co-applicants along with a designated MSME (prime applicant)
- Individual (e.g. design students) as co-applicants in collaboration with the academic institution and MSME (prime applicant)

Components of Scheme & Extent of Financial Support

The support under the scheme is primarily for following three activities:

- **Design Awareness**
  - Contribution up to INR 60 thousand for organising a seminar & upto 75% (maximum upto INR 3 lakhs) for conducting a workshop on 'Design Awareness'
- **Implementing design projects**
  - 60% of the total approved project cost (maximum of INR 9 Lakh), in case of a individual MSME or a group of not more than three MSME applicants
  - 60% of the total approved project cost(maximum of INR 15 Lakh), in case of a group of four or more MSME applicants
- **Student Design Project**
  - Reimbursement of 75% of expenses (maximum INR 1.5 lakh) for a final year design student

Application Process

The project proposal is to be submitted online at http://www.designclinicsmsme.org/

Remarks:

The National Institute of Design (NID), Ahmedabad has been designated as the nodal agency for the scheme. NID receives, reviews and recommends nominations to DC MSME.

2.6 Marketing Assistance and Technology Up-gradation of MSMEs (MATU)

Objective & Brief Description of the Scheme

Marketing Assistance and Technology Up-gradation of MSMEs (MATU) scheme is administered by Office of DC MSME, Ministry of MSME. The objective of the scheme is to enhance the marketing competitiveness of MSME sector. The scheme has 8 sub-components and one component is focused to build capacities about the modern packaging techniques.

The objectives of this component are to significantly raise the level of awareness and knowledge in respect of modern packaging technology; conduct gap analysis in respect of packaging for identified clusters/product and to promote adoption and use of modern packaging technology.

Eligible Applicant

- MSMEs, competent agency as mentioned in the EOI guidelines,
- Industry associations/ NGOs.

Components of Scheme & Extent of Financial Support

The financial support for Up-gradation on packaging includes :

- Awareness programme on new packaging concepts & technologies:
  - 80% of the actual expenditure subject to a maximum limit of INR 1 Lakh- per programme
- Cluster based studies on packaging status and needs for up-gradation
  - 80% of the actual expenditure subject to maximum limit of INR 10 Lakhs
- Units based interventions for packaging requirements:
  - 80% of the actual expenditure subject to a maximum limit of INR 9 Lakhs for a group of 10 units

Besides technological up-gradation in packaging technology; the scheme has provisions for supporting various areas in marketing, including; Development for modern marketing techniques; Competition Studies; Supporting local and national level trade fairs and exhibitions; Support for improving corporate governance practices and Reimbursement to ISO 18000/ISO 22000/ISO 27000 certifications

Application Process

Most of the components of the scheme are based on RFP/EOI hence the eligibility criteria and application procedure are specified in the EOI.

The details of the scheme can be accessed at: http://www.dcmsme.gov.in/schemes/MarketingAss&Techup.htm

Remarks:

Office of the DC MSME identifies and approves MSME clusters/units for participation in the activities on basis of the proposals received from the MSME-DIs, industry associations, NGOs, state government and technical institutions.

2.7 Technology and Quality Upgradation Support to MSMEs (TEQUP)

Objective & Brief Description of the Scheme

Technology and Quality Up-gradation (TEQUP) scheme is implemented by Office of DC MSME, Ministry of MSME. The prime objective of the scheme is to enhance competitiveness of the MSME sector, through energy efficiency and product quality certification. The scheme advocates the use of energy efficient technologies in manufacturing units so as to reduce cost of production and adopt clean development mechanism.

Eligible Applicant

- Expert Organisations like PCRA, BEE, TERI, IITs, NITs, etc,
- State Govt. agencies like MITCON, GEDA, etc,
- Cluster/Industry based associations of MSMEs,

Components of Scheme & Extent of Financial Support

- Capacity Building of MSME clusters for energy efficiency/clean development and related technologies (awareness program, energy audits, DPRs and EET projects)
  - o Up to 75% for conducting awareness programme (maximum INR 75000/prog)
  - o 75% of actual expenditure for cluster level energy audit and preparation of model DPR (maximum INR 9 Lakhs)
  - o Up to 50% of the actual expenditure (maximum INR 1.5 lakh per DPR) towards preparation of subsequent detailed project reports (DPRs) for individual MSMEs on EET projects
- 25% of the project cost for implementation of Energy Efficient Technologies (EET), as per the approved DPR (maximum of INR 10 lakhs)
- 75% of the actual expenditure, subject to a maximum INR 15 lakh for establishing Carbon Credit Accreditation Centres
- 75 % subsidy for licensing of product (maximum assistance per MSME is INR1.5 lakhs for product licensing to National Standards & INR 2.0 lakhs for International standards)

Application Process

Application in prescribed format post publication of RFP/EOI

Scheme details can be accessed at: http://www.dcmsme.gov.in/schemes/TEQUPDetail.htm

Remarks:

Office of DC MSME identifies MSME clusters. on the basis of feedback from MSME-DIs, technical institutions cluster based associations and NGOs

2.8 Multiplier Grants Scheme – "Srrijan: Prithvi" (MGS)

Objective & Brief Description of the Scheme

Multiplier Grants Scheme (MGS) scheme is implemented by Department of Electronics & Information Technology, Ministry of Communications & IT. The Scheme aims to establish, nurture and strengthen the linkages between the industry and institutes. It encourages industry to collaborate with premier academic and government R&D institutions and thereby encourage and accelerate development of indigenous products and packages. The scheme bridges the gap between R&D and commercialisation.

Eligible Applicant

- Industry and industry consortium
- Academic institution(s)
- R&D institutions

Components of Scheme & Extent of Financial Support

- Grant-in aid amounting up-to double the contribution made by the industry/industry consortium.
- Preference is given to MSMEs where the support can be up-to twice the industries contribution; as compared to bigger business, where generally matching amount is sanctioned.
- The Government grants for individual industry, are limited to a maximum of INR 2 Crores per project and the duration of each project is generally upto 2 years.
- For industry consortium the grant can be up to INR 4 Crores with project timeline of 3 years.
- The contribution of industry and grant-in-aid from DeITY is given to academic/R&D institution(s) only.

Application Process

The project proposal under the MGS scheme should be submitted in a prescribed format by academic institution /R&D bodies jointly with the industry/industry consortium. The application forms and required document list can be accessed at:

http://meity.gov.in/content/multiplier-grants-scheme-mgs-dpl-innovation

Remarks:

- The proposal should be for innovation in modules/ products/ packages/ services in the area of E&IT
- The proposal should be in the core area of business of the industry;

2.9 Technology Systems Development Programme (TSDP)

Brief Description of the Scheme

Technology Systems Development Programme (TSDP) is being implemented by Department of Science and Technology (DST). The Programme supports activities aimed at developing and integrating technologies to evolve technology systems both in the advanced and in traditional sectors. The specific objectives of programme are promoting application of advanced technology for improving the performance, value addition and exportability of various products and encouraging developments in application of R&D activities.

Eligible Applicant

- Scientists/engineers/ working in academic/R&D institutions
- Industry having DSIR recognised R&D Laboratories either alone or in collaboration with academic/R&D Institutions.

Components of Scheme & Extent of Financial Support

The nature of grant varies depending on profile of applicants, as described below:

- **For Institutions**
  - o Project staff salaries, equipment, supplies and consumables, contingency expenditure, patent filing charges, outsourcing charges, internal travel, fabrication costs, testing charges and overheads, etc.
- **For Industry**
  - o Upto 50% Cost of consumables
- **For Institution/Industry Joint Programmes:**
  - o Support to the Industry upto 50% of the cost of consumables

The support is towards:

- Converting proof-of-concepts for development of pre-competitive/commercial technologies/ techniques/ processes.
- Proposals of incremental R&D over the existing technologies.
- Projects related to design and development of software/IT, as required for products and processes, as a part of technology development project shall be considered.

Application Process

The project proposals could be submitted throughout the year. The guidelines for formulation and submission of projects and the prescribed format can be accessed at: http://www.dst.gov.in/technology-systems-development-programme-tsdp

Remarks:

Multi-disciplinary, Multi-institutional, Industry associated project for development of technology, technique, process, product etc. including field trials, up-scaling of the developed technology are encouraged.

2.10 Instrumentation Development Programme (IDP)

Brief Description of the Scheme

Instrumentation Development Programme (IDP) scheme is implemented by Department of Science and Technology. The programme focuses on strengthening indigenous capability for research, design, development and production of instruments in the country leading to indigenous development and production of instruments; continuous updating of the technology of instruments (to keep pace with global development, and innovations in the area of instrumentation.

Eligible Applicant

Academia (Scientist / engineers / technologists working in universities and R&D institutions / laboratories) in partnership with industries

Components of Scheme & Extent of Financial Support

- Setting instrumentation hub -a theme based establishment for development of commercial models of laboratory prototypes developed in the laboratory as per industry/user specifications.
- To have sophisticated facilities for prototype development, translational facility and a platform for technology incubation.
- It will provide facility for batch production of laboratory prototypes for market validation.
- Facilities will be available on sharing basis to all the participating institutes/industries.
- Host institute provides land, building, core manpower and is responsible for signing of bilateral MOU's with participating.

Support provided to the host institution towards meeting their costs for overhead expenses:

- 20% of the total project cost with an upper limit of INR 5 lakhs for educational institutions and INR 3 lakhs for laboratories and institutes under S&T agencies/departments will be provided as a part of the project, and
- On projects over INR 50 lakhs, the quantum to be decided on a case to case basis.

Following areas are identified for development of instruments:

- Analytical Instruments;
- Environment Monitoring and Pollution Control Instruments;
- Laser Based Instruments;
- Instruments for Food Processing;
- Medical Instruments & Test & Measuring Instruments;
- Geo-scientific Instruments & Agri-electronic Instruments, etc.

Application Process

Application to be submitted in prescribed format. Details available at http://www.dst.gov.in/instrumentation-development-programme

2.11 Technology Development & Utilisation Programme for Women (TDUPW)

Objective & Brief Description of the Scheme

Technology Development & Utilisation Programme for Women (TDUPW) has been formulated by the Department of Scientific and Industrial Research. The scheme aims to develop appropriate products/processes for benefit of women and promotes technological up-gradation of women run enterprises. The scheme supports various capacity building and awareness generation programmes to showcase and demonstrate appropriate technologies for adoption.

Eligible Applicant

Organisations (Public/Private/NGO) working on areas related to development of technologies for women with relevant experience are eligible; such as:

- MSMEs & other institutions incorporated under the Companies Act.
- Academic institutions, R&D institutions, PSUs etc.
- Institutions registered under the Societies Registration Act, Trust act etc.
- Professional & industry Associations

Components of Scheme & Extent of Financial Support

Financial support (partial or full) and technical guidance is provided for:

- Studies for assessment of technology related information needs of women
- Documentation and content development on:
  - Technologies useful for production activities, personal care and community management including food processing, water conservation, maintenance of health etc.
  - Best practices in the use of technology to strengthen competitiveness of gainful activities by women.
  - Contribution of women innovators/entrepreneurs.
  - Contribution of women scientists working in various laboratories.
  - Technologies and products beneficial to women.
- Establishing Consultancy Cells for imparting technical knowledge.
- Awareness creation and training of women in technologies useful for production activities, personal care, community management, including food processing, water conservation, waste disposal, etc..
- Case studies of successful R&D, technology development etc.

Application Process

The proposal may be submitted any time during the financial year in a prescribed format. The application forms and required document list can be accessed at: http://www.dsir.gov.in/tpdup/tdupw/tdupw.htm

Remarks

The financial assistance is provided for meeting expenditure on human resource; consumables, basic equipment, travel within the country etc. Contact Details for further info: nrfc@nic.in

2.12 Technology Development and Demonstration Program (TDDP)

Objective & Brief Description of the Scheme

Technology Development and Demonstration Program (TDDP) is being implemented by Department of Scientific & Industrial Research (DSIR). The scheme aims to strengthen the interface between industry, R&D establishments and academic institutions and provide catalytic support for development and demonstration of innovative product and process technologies, traversing the journey from proof of concept (or laboratory stage) to pilot stage, rendering them fit for Commercialisation.

Eligible Applicant

- A registered company
- Consortium of registered companies with any scientific establishment (industry to be the focal point)
- Preference to companies whose in-house R&D units are recognized by DSIR. Such companies are eligible for customs duty and excise duty exemption on goods imported for R&D.

Components of Scheme & Extent of Financial Support

- Up-to 50% financial support is provided by the scheme for
  - Development of a new or improved product resulting in prototype development and ending with demonstration in commercial environment.
  - Development of a new or improved process.
  - Absorption and up-gradation of imported technology.
- Priority technology development projects of PSUs
  - o Consortium projects for development of technologies of common interests for group of industries or associations to be undertaken by industrial units, national laboratories, user industries in important focused areas such as Electronics and Communications, Railways, Drugs, Chemicals & Fertilizers, etc. shall be supported.
- Development of technologies for common use by cluster of industries.
- Development & demonstration of technologies for government's flagship and mission mode projects.
- The financial support from DSIR is mainly to meet part of the developmental expenditures for personnel costs, consultancy, patenting, running cost, testing, trials & certification.

Application Process

The project proposal is to be submitted in a prescribed format. Application forms and required document list can be accessed at: http://dsir.nic.in/tpdup/tddp/tddp.htm

Remarks

If the projects involve collaboration, proposals should clearly highlight the scope of work and responsibilities of each entity participating in the project & MOUs between the concerned entities should be submitted.

2.13 Development and Promotion of Clean Technology And Waste Minimisation Strategies

Objective & Brief Description of the Scheme

Development and Promotion of Clean Technology and Waste Minimization Strategies is administered by Ministry of Environment, Forests and Climate Change (MOEF&CC). This scheme aims at identification of priority areas and development of appropriate economically viable clean technologies as well as waste minimisation strategies for SMEs through interface with industry, R&D establishments and academic institutions. Scheme promotes up-gradation and absorption of imported clean technologies and its demonstration through pilot projects

Eligible Applicant

- Industry Associations
- SMEs
- R&D institutions

Components of Scheme & Extent of Financial Support

Financial assistance is provided for three types of projects; a) demonstration/pilot projects; b) Waste minimisation circles and c) Survey and Research Studies. The quantum of financial support is as follows:

- For demonstration projects upto 75% of the project cost for prototype development
- For Waste minimisation circles, support is to the extent of 90% of the total cost
- 100% support for carrying capacity/life cycle assessment studies, creation of data base and survey of best available technologies etc.

Preferred sectors include:

1 Agro based industries
2 Casutic soda
3 Copper smelters
4 Dyes & die intermediate
5 Fertilizers
6 Tanneries
7 Petrochemicals
8 Drug & Pharmaseuticals
9 Waste oil refineries
10 Energy
11 Textiles
12 Chemicals
13 Alumunium smelters
14 Cement
15 Distilleries
16 Electroplating
17 Integrated iron & steel
18 Pesticides
19 Plastics
20 Pulp & Paper
21 Sugar
22 Zinc Smelters
23 Paints & Raisins
24 E-waste

Application Process

The project proposal is to be submitted in response to EOI in a prescribed format. Details available at Ministry's website: http://envfor.nic.in/

2.14 Science & Technology for Women (STW)

Brief Description of the Scheme

Science & Technology for Women (STW) scheme is implemented by Science for Equity, Empowerment and Development (SEED) Division has been set up under the Department of Science and Technology. The objective of the scheme is to promote research, development and adaptation of technology to improve the quality of life, workings conditions for women and to provide newer opportunities for gainful employment of women especially in rural areas. The scheme also supports to increase the contribution of women scientists to technology based development.

Eligible Applicant

- Recognised R&D laboratories, universities and educational institution
- S&T based voluntary organisations

Components of Scheme & Extent of Financial Support

Support is provided for following priority areas under the scheme:

- Specific science and technology application program to solve the problems of women in different regions (hill, coastal and arid);
- Research, development and demonstration program to minimise occupational hazards of women
- R&D on post-harvest technology and agricultural implements used by women to improve productivity and reduce drudgery;
- Design, fabrication and improvement of equipment, accessories, tools and machineries used by women in formal and non-formal sectors;
- Up-gradation of traditional skills for utilisation of available local resources and for starting entrepreneurial production or service units.
- Enhancing capability of women in modern industries particularly in electrical and electronic technologies;
- Women's health issues; and
- Selective studies on issues concerning women scientists and engineers

Scheme also provides support for:

- Fellowship Scheme for Women Scientists for R&D and S&T Based Societal Interventions:
- National Award for Women's Development through Application of Science and Technology

Application Process

Proposal to be submitted in prescribed format.
Details available at http://www.scienceandsociety-dst.org/women1.htm

Remarks:

Proposals to ensure that specific S&T inputs with adequate scientific and technical details are clearly spelt.

2.15 TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN)

Brief Description of the Scheme

TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN) is a collaborative programme of TIFAC & SIDBI aims at facilitating development, demonstration and Commercialisation of technology innovation projects pertaining to new product or process development to encourage and promote development of capabilities in MSMEs to innovate and to bring high-risk innovations to the market for opening up opportunities for business linked with innovations.

Eligible Applicant

- SMEs
- Jointly by Industry-Academia/institute
- Start-up / incubating companies and/or technocrat-entrepreneurs

Components of Scheme & Extent of Financial Support

The support is in form of loan on soft terms & conditions

- Up to INR 100 lakhs
- The interest is less than or equal to 5% per annum (simple interest)
- Loan upto 80% of the project cost
- The repayment commences within one year after the project completion

Support is provided for:

- Commercialisation of a new product / process / application developed through an indigenous technology
- Improvements / modifications in the existing product / process / application
- Up-gradation in product quality, reduction of raw material consumption, reduction in process steps, reduction of energy consumption, reduction in GHG emission, reduction in cost, improvement in process efficiency and yield etc.
- Adaptation / modification in imported technology to make it suitable for wider domestic application
- Indigenisation of imported raw materials / components
- Design, development and Commercialisation of innovative products / processes / applications based on new / advanced / renewable materials

Application Process

Application in a prescribed format to either SIDBI or TIFAC. Forms available at http://tifac.org.in/index.php?option=com_content&view=article&id=790&Itemid=1384#bro

Remarks:

The duration of the project should not normally exceed 18 months.

Part 3

Schemes Promoting Research & Development

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3.1 Access to Knowledge for Technology Development and Dissemination (A2K+)

Objective & Brief Description of the Scheme

Access to Knowledge for Technology Development and Dissemination (A2K+) scheme is implemented by the Department of Scientific and Industrial Research; Ministry of Science and Technology. The objective of the scheme is to undertake studies on technology and innovation management for the benefit of industry and research organisations. These study-reports are aimed at equipping the industry, associations, academia, research institutions, consultants, entrepreneurs, research students and policy makers with an information and knowledge base.

Eligible Applicant

Public funded bodies or institutions having legal entity

Components of Scheme & Extent of Financial Support

Grant is extended based on the selection of proposal on a diverse list of topics listed below:

1 Electronics Systems Design and Manufacture
2 Industry-University linkage in research
3 Sports science
4 Food storage
5 New technologies for disease management of livestock products
6 Development of Conditional Access Systems, Set-top Boxes and DRM digital radio receivers
7 Signalling & Train Control Systems
8 Cold Chain Development
9 Rice Milling and Onion Processing
10 Safety Systems for Vehicles
11 Development of Aeronautical Products
12 Technology Status of the Steel sector
13 Process Improvements in Power Plants
14 Power Transmission
15 Combined Heat Power based Systems
16 Construction of cost effective disaster resilient houses equipped with sustainable energy solutions
17 Smart, sustainable city with modular, flexible open systems approach
18 Capital Goods Sector
19 Watershed Management
20 Water Technology & Management
21 Network Technology
22 India as a hub for Cloud Technology
23 Development of Salt Industry

Application Process

The project proposal is to be submitted in a prescribed format.

http://dsir.gov.in/DSIRPrograms/Login/RegistrationSelection.aspx

Remarks:

For other details responsible personnel can be contacted as per detail below: studies-dsir@nic.in

3.2 Grant-in-aid for funding R&D Projects

Objective & Brief Description of the Scheme

This scheme is implemented by Department of Electronics & Information Technology, Ministry of Communications & IT. The objective of the scheme is to promote research and development. Scheme provides fund to technical, scientific or academic establishment to undertake research projects.

Eligible Applicant

- Academic institution(s)
- R&D institutions

Components of Scheme & Extent of Financial Support

- Financial Assistance for R&D projects
- Funding varies based on total cost of project

Application Process

The proposal may be submitted any time during the financial year in a prescribed format. The application forms and required document list can be accessed at:

http://meity.gov.in/sites/upload_files/dit/files/guidelines_final_vers3%20(1).pdf

Remarks:

- The IPR arising out of sponsored project(s) will be with grantee institution(s).
- The Government of India/Govt. bodies (including its PSUs, Govt. autonomous societies & section 25 companies) shall have right to obtain a royalty- free license for the Intellectual Property (IP) for deployment/use of the same for non-commercial purposes. However, in case, IP is proposed for commercial usage, the terms of licensing may be mutually agreed with the grantee institution(s) possessing Intellectual Property Rights (IPR).

3.3 Scheme for Funding Industry Relevant R&D

Brief Description of the Scheme

Funding Industry Relevant R&D scheme is implemented by the Science and Engineering Research Board (SERB) under Department of Science & Technology, Government of India. The objective of the scheme is to utilise the expertise available in academic institutions and national laboratories to solve industry specific problems for the larger benefit of society.

Eligible Applicant

Consortia or one or more academic institute and industry/ies

Components of Scheme & Extent of Financial Support

The support under the scheme is for:

- Project that adopt an innovative approach to solve a problem faced by the industry.
- Projects whose outcomes will bring new scientific and technological innovations.
- Solution driven research that aid technology transfer and Commercialisation.

The funding is shared between SERB and Industry.

  - o Upto 50% support to a maximum of INR 50 Lakh (can be relaxed depending on merit of project).

- The funding is provided for a maximum period of three years.
- The support from SERB is extended to the academic partner.
- The research grant is provided for equipment, manpower, consumables, travel, pilot plant study, and any other costs associated with the project.

Application Process

The proposals can be submitted online through the website: www.serbonline.in

Remarks:

The IP generated shall be shared between the investigator(s) and industry partner(s). SERB shall have no objection for the partners to share the IPs.

Part 4

Schemes for Protecting Intellectual Property

4.1 Financial Assistance on Bar-Code 30

4.2 Support for International Patent Protection in Electronics and IT (SIP-EIT) II 31

4.3 Scheme to Support IPR Awareness Workshops/ Seminars In E&IT Sector 32

4.4 Patent Acquisition and Collaborative Research and Technology Development (PACE) 33

4.5 Building Awareness on Intellectual Property Rights' (IPR) for the Micro, Small & Medium Enterprises 34

4.1 Providing Financial Assistance on Bar-Code

Objective & Brief Description of the Scheme

Providing Financial Assistance on Bar-Code scheme is administered by Office of DC MSME, Ministry of MSME. The basic objective of the scheme is to enhance the marketing competitiveness of MSMEs by encouraging them to adopt Bar Code. Under this scheme Micro & Small Enterprise (MSEs) are encouraged and motivated for use of bar-codes through seminars and reimbursement of registration fees.

Eligible Applicant

MSMEs

Components of Scheme & Extent of Financial Support

Office of DC MSME provides support for reimbursement of 75% of one time registration fee and 75% of annual recurring fee for first three years paid by MSEs to Global Standard 1 India for using of Bar Coding.

Application Process

MSEs to apply to the Director, Micro, Small & Medium Enterprises-Development Institute of their region for claiming reimbursement on Bar Code, in prescribed application form (http://www.dcmsme.gov.in/schemes/ApplicationFormBarCode.pdf)

Remarks:

Global Standard 1 (GS1) India formerly European Article Numbers (EAN) India, an autonomous body under Ministry of Commerce & Industry, is authorized for granting registration for use of Bar Codes. Details on Bar Code are available on their web site http://gs1india.org/Support/financial-assistance-schemes/msme-scheme

4.2 Support for International Patent Protection in Electronics and IT (SIP-EIT) II

Brief Description of the Scheme

Support for International Patent Protection in Electronics and IT (SIP-EIT) II is implemented by Department of Electronics & Information Technology (DeitY); Ministry of Communications & IT. The objective of the scheme is to provide financial support to MSMEs and Technology Startup Units for international patent filing. The scheme is expected to promote innovations and recognise the value and capabilities of global Intellectual property along with capturing growth opportunities within ICTE sector.

Eligible Applicant

- Registered MSME
- Registered STP
- A technology incubation enterprise registered as a company

Components of Scheme & Extent of Financial Support

- Financial support up-to Rs.15 lakhs or 50% of the total expenses (whichever is less) incurred in filing and processing of patent application.
- The support is in form of reimbursement of expenses.
- Support includes fees (including filing, examination, processing fees, attorney charges), expenses on search and cost towards translation if required.
- The expense involved in entering National phase in respect of PCT application is supported. Similarly, expenses involved in filing applications directly in other countries (not through the PCT route) is supported.
- The applicant can apply for the support at any stage of international filing. However, reimbursement will only be applicable to expenditures incurred subsequent to the date on which application has been cleared for support.

Application Process

Online application available at: http://meity.gov.in/content/sip-eit-support-international-patent-protection-eit-sip-eit-%E2%80%93-ii-micro-small-and-medium-ente and;

ICT-IPR portal (http://www.ict-ipr.in/sipeit/login)

Remarks:

- Invention to be in the Electronics/ICT technology domain
- Application to be accompanied by prior art search report from an International Search Authority/ registered attorney firm or any other agency of repute
- The expenses incurred subsequent to grant of patent will not be reimbursable

4.3 Scheme To Support IPR Awareness Workshops/ Seminars In E&IT Sector

Objective & Brief Description of the Scheme

Scheme To Support IPR Awareness Workshops/ Seminars In E&IT Sector Scheme is implemented by Department of Electronics and Information Technology (DE&IT). The objective of the scheme is to sensitise and create awareness on intellectual property (IP) and to disseminate the scheme among stakeholders especially in E&IT sector.

Eligible Applicant

- Educational institutes (providing technical education in Electronics & IT domain)
- Industry Associations
- DeitY Societies or DeitY Autonomous bodies

Components of Scheme & Extent of Financial Support

Financial assistance in the form of Grant-in-Aid is provided to eligible institutions for organising IPR awareness workshops/seminars. The extent of financial support is as per following:

- INR 2.0 Lakhs per awareness programmes organised by educational institutes.
- INR 3.0 Lakhs for awareness programmes organised by industry bodies/associations.
- INR 5.0 Lakhs for workshops to be organised by DeitY Societies and DeitY autonomous bodies and involving international experts.

Major Criteria for Acceptance of Applications

- It is mandatory for applicant to be registered at Central Plan Scheme Monitoring System (CPSMS) portal: www.cpsms.nic.in
- Application for grant in aid should be submitted to DeitY at least 45 days in advance
- In case of postponement of the event, the organisation should take approval from DeitY at least 15 days in advance

Application Process

Online application available at DeitY website (http://deity.gov.in/) or ICT-IPR portal (http://www.ict-ipr.in/sipeit/login)

Remarks:

Any query regarding the scheme be addressed to ipr@deity.gov.in

4.4 Patent Acquisition & Collaborative Research and Technology Development (PACE)

Brief Description of the Scheme

This scheme is implemented by the Department of Scientific and Industrial Research (DSIR); Ministry of Science and Technology. The scheme aims to encourage and help industries acquire patented technology at an early stage from within the country or overseas, add value to the acquired technology (either independently or in collaboration with public funded research institutions in India or abroad) and develop innovative and socially relevant products for public consumption. This scheme also focuses on creating enabling environment for collaborative research between Indian Industry and R&D Organisations/ academic institutions/ universities in India/ abroad.

Eligible Applicant

- All industries including Start-ups
- Consortium of companies with any R&D organisation/ academic institution/ university

Components of Scheme & Extent of Financial Support

The scheme support is categorised into two:

Technology Acquisition

- When technology is licensed on a non-exclusive basis to a number of industries.
  - The licensing cost on a non-exclusive basis shall be realized up-front from the industries at no loss to the Government (rate decided by an expert committee)
- When technology acquisition is exclusively by any one industry,
  - DSIR supports 50% of the value of technology not exceeding INR 1.50 crore, which will be in the form of a secured loan.

Technology Development and Demonstration (TDD)

- Industry to develop and demonstrate the technology (either acquired technology or its own indigenous in-house technology) alone or in collaboration with R&D organisation/ academic institution/ university in India or abroad.
- Funding R&D projects of industry alone:
  - 50% of the project cost
- Funding R&D projects of industry in collaboration with R&D organisation:
  - Support up to 100% to R&D organisations/ academic institutions/ universities (Public Funded Research Institute-PFRI)
- The funds provided to R&D organisations/ academic institutions/ universities in India (PFRIs) as grants-in-aid
- The funding provided for exclusive patent acquisition and for technology development and demonstration as secured loan

Application Process

The proposals to be submitted in standard format available at: http://www.dsir.gov.in/#files/12plan/pace/PACE Guidelines post final 22.html

4.5 Building Awareness on Intellectual Property Rights' (IPR) for the Micro, Small & Medium Enterprises

Brief Description of the Scheme

The Scheme is implemented by office of DC MSME, Ministry of MSME. The scheme aims at sensitising and enhancing awareness about Intellectual Property Rights (IPR) in MSMEs. For this purpose, activities like awareness programs, skill development training, grant of patent – trademark etc are conducted.

Eligible Applicant

- MSME and MSME organisations like Industry Association, Societies, Cooperatives, Firms, Trusts, NGOs, Academic & Research Institutes, Consultancies etc.
- Expert Agencies like TIFAC, Patent Facilitation Centre, NRDC, Indian Patent Office, Registrar of Trademark, DSIR and other such bodies

Components of Scheme & Extent of Financial Support

The funding support under this scheme is under the following 7 areas:

- Assistance up to INR 1 lakh for organising a awareness program on IPR issue.
- Assistance up to INR 2.5 lakh per pilot study to identify IP needs of a cluster (Private Partner contributes minimum of 10% of GoI's financial support).
- GoI assistance up to INR 2 lakhs to organise a seminar/workshop on issues related to IP, provided that private partner contributes a minimum of 10% of GoI's Financial support. Assistance up to INR 6 lakhs for organizing a short term training programme and up to INR 45 lakhs for organising a long term training programme for capacity building of MSME sector on IP rights.
- Assistance for one-time financial support up to INR 25,000/- for grant of domestic patent and INR 2 lakhs for foreign patent. For registering under the Geographical Indications of Goods Act, one time financial support up to INR 1 lakh.
- Financial assistance up to INR 65 lakhs for establishment of IP Facilitation centre, which will include one-time grant of Rs. 45 lakhs and INR 18 lakhs as recurring expenses for 3 years, INR 2 lakhs provided as miscellaneous charges.
- Financial assistance up to INR 5 lakhs and INR 7.5 lakhs per event for domestic intervention and International Programme respectively; private beneficiary contribute 10% of GoI contribution.

Application Process

Application process for each component is available at http://www.dcmsme.gov.in/schemes/Guidelines-UK.pdf

Remarks:

Some components of the scheme are Request for Proposal (RFP) based, hence the procedure and eligibility criteria are laid down in the RFP itself.

Part 5

Other Schemes

5.1 TIFAC- MSME Internship Scheme 36

5.2 TIFAC Capacity Building Programme for MSMEs 37

5.1 TIFAC- MSME Internship Scheme

Brief Description of the Scheme

TIFAC- MSME Internship scheme is implemented by the Department of Scientific and Industrial Research (DSIR); Ministry of Science and Technology. The scheme aims to provide a platform for establishing interaction between academia and MSME industries on a mutually win-win basis, encourage and continued involvement of students and faculty of technical institutions with industries and provide technical support to the MSMEs.

Eligible Applicant

Technical Institution (Engineering colleges, Degree granting R&D Institutes, Universities) recognised by AICTE/UGC.

Components of Scheme & Extent of Financial Support

The support is categorised into two stages:

Stage I:

- Fixed Support: Up to INR 4.32 lakhs for 2 months internship (max 30 students)
  - ◇ Student stipend: Up-to INR 3,00,000 (@5,000/student /month for 2 months)
  - ◇ Travel cost: Up-to INR 32,000
  - ◇ Overhead cost : Up-to INR 64,000
  - ◇ Contingency: Up-to INR 16,000

Stage II:

- Technology Development Support: Up-to INR 2.95 lakhs/project for 6 months
  - ◇ Student stipend: Up-to INR 120000 (@ 10,000/student and 2 students)
  - ◇ Honorarium Coordinator: INR 40,000
  - ◇ Development Cost: Up to INR 1,00,000
  - ◇ Travel Cost: Up-to: INR 1,00,000
  - ◇ Overhead: Up-to INR 20,000
  - ◇ Contingency: Up-to INR 5000

Students are encouraged to work on problems of common nature concerning MSME cluster industries; like Raw materials (definite improvements in quality, testing etc); Process (modification to ease the process, reduce wastage/rejects, make the process efficient, process automation); Product (development of new product, quality improvement); Design; Packaging etc.

Application Process

Application by Institutes in prescribed format. Details available at:http://tifac.org.in/index.php?option=com_content&view=article&id=69&Itemid=100

Remarks:

- A maximum of 30 internships in a year from an Institute is supported
- Institute to engage students pursuing B.E./B.Tech; M.E/ M.Tech, or Ph.D

5.2 TIFAC Capacity Building Programme for MSMEs

Brief Description of the Scheme

TIFAC Capacity Building Programme for MSMEs scheme is implemented by TIFAC- autonomous organisation under the Department of Science & Technology, Ministry of Science and Technology. The objective of the scheme is to improve productivity of the cluster industries and enhance capabilities of people working with the industries. The capacity building initiatives under the programme are targeted towards entrepreneurs, industry owners, technical and managerial staff, other technical and non technical workforce, skilled and unskilled workers, etc.

Eligible Applicant

Knowledge agency (consultants, academia, laboratory, technical institutions etc)

Components of Scheme & Extent of Financial Support

The financial support is extended to undertake capacity building initiatives and includes following:

- Support for organising events: Up-to INR 2 lakhs
  - Seminars/Conferences/Exposures meet/ Workshops/ Brainstorming/ Awareness camps etc
- Support for managerial trainings: Up-to INR 3 lakhs
  - Trainings on technology and its management aspects
- Trainings for skilled and unskilled workforce: Up-to INR 3 lakhs
  - Trainings for workforce with embedded component of hands on training with physical means and or involving training on specialized software etc
- Capacity Building of 1 week: INR 7 lakhs

Application Process

The proposals to be submitted in standard format available @ http://tifac.org.in/images/pdf/MSME_guidelines.pdf

Remarks:

The proposals to be forwarded/endorsed by respective industry association/s stating their need and requirement for such interventions

Annexure 1: Schemes at a glance

Key Innovation Promotion Schemes for SMEs								
Schemes Supporting Ideation/ Proof of Concept								
Name of Scheme	**Focus Area**	**Dept. / Ministry**	**Objectives**	**Eligible Applicant**	**Sector**	**Nature of Support**	**Total Support**	**Application & Web Details**
Small Business Innovation Research Initiative (SBIRI)	Academia-Industry Linkage for R&D/ Technology Development	BIRAC, Dept of Biotechnology	1. To provide support for early stage, pre-proof-of-concept research 2. To support new indigenous technologies related to societal needs in the healthcare, food and nutrition, agriculture etc 3.To nurture and mentor innovative and emerging technologies /entrepreneurs, to facilitate forging linkages between Industries, academia and government	1. SME. 2 Jointly by Industry and National R&D Organisations and Institutions 3. Group of industries/users, national research Organisations etc	Biotechnology (includes food Processing)	Financial support for early stage & proof-of-concept for innovations; R&D for affordable product development; lab-scale technology refinement; validation of a technology at pilot scale; platform technologies/prototype development etc;	Grant upto INR 50 Lakh for project upto 100lakhs & additionally, interest free loan upto INR 50 lakhs if project exceeds INR 100 lakhs.	Call For Proposal http://www.birac.nic.in/desc_new.php?id=217
Social Innovation programme for Products: Affordable & Relevant to Societal Health (SPARSH)	Innovative solutions to pressing social problems	BIRAC, Dept of Biotechnology	To identify and provide support to innovations towards affordable product development that can bring significant social impact.	Biotechnology Indian start-ups; Indian Academic Scientists, Researchers, PhDs, Medical Degree Holders, Engg Graduates	Health and any other sector that has social impact	Grant, Loan & Fellowhsip to support product innovations (with social goals)	Grant in aid upto INR 50lakh; loan upto 100 Lakh & fellowship upto 50,000/ month	Call for proposals. http://birac.nic.in/desc_new.php?id=110
Support for entrepreneurial and managerial development of SMEs through incubators	Early Stage Innovation funding	DC MSME	To provides early stage funding for nurturing innovative business ideas (new indigenious technology, processes, products, procedure etc.) which could be commercialized in a year. Also promotes networking and forging of linkages with other constituents of the innovation chain for Commercialisation of their developments.	MSMEs (individual business innovators)	All sectors	Funding support for infrastructure development and supporting development of innovative ideas into pilot projects.	INR 4 lakh to INR 8 lakh per idea/unit nurtured	Application to 'Host' institutions. Details available at: http://www.dcmsme.gov.in/schemes/Incubators10.pdf

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM)	Individual Innovation R&D support & technology solution for MSME Clusters.	Department of Scientific and Industrial Research (DSIR)	1: To support individual innovators in transforming their innovative ideas into working prototypes/models/processes; 2. To develop state-of-art new technology solutions aimed at helping MSME clusters.	Any individual, Industry or organisation	Any technology or knowledge intensive area.	1. Proof of Concept/ Prototypes/ Models. 2. Fabrication of working model/process know-how/ testing and trial/ patenting/technology transfer etc.. 3.For scaling up technology based innovations, including patenting/design registration/trademark; registry/ technology transfer to develop a marketable product/process towards enterprise creation. 4. R&D Proposals -for developing technology solutions aimed at helping MSME clusters.	INR 2 - 50 Lakhs	Application basis EOI in prescribed format. Details available at http://www.dsir.gov.in/12plan/prism/prism.htm
Technopreneur Promotion Progrmme (TePP)	Supporting individual innovators	Department of Scientific and Industrial Research (DSIR)	To promote and support untapped creativity of individual innovators and assist them in networking and forging linkages with other constituents of the innovation chain for Commercialisation of their developments.	Individual	Any	Support for converting original idea/invention/ know-how into working prototypes/process and/ or demonstrate novel delivery models to take S&T innovations to rural India & for improving transferability potential of innovations	Support from INR 75000- INR 45 lakhs	Online submission. www.dsir.gov.in.
Schemes promoting Technology Development & Process Innovation								
Contract Research Scheme (CRS)	Facilitate Academia-Industry Collaboration in researh	BIRAC, Dept of Biotechnology	CRS supports Academia for engaging the industry in contract research mode under a specific fees structure for taking forward their leads/ technologies towards validation and Commercialisation.	Academia- Industry consortia	Biotechnology	Grant for contract research (Exploratory validation of technology; augmenting the prototype to commercial design etc)	Not specified. Depends on project	Application in prescribed Format http://birac.nic.in/uploads/new_crs_guide.pdf

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Biotechnology Industry Partnership Programme (BIPP)	Industry-Academiapartnership for advance research in Biotechnology	BIRAC, Dept of Biotechnology	For path-breaking research in frontier futuristic technology areas having major economic potential	Industry; Industry-Academia consortia	Biotechnology	Research; product evaluation and validation through support for limited and large scale field trial for agriculture products and clinical trials	up to 50% of project cost as Grant- In- Aid	Online application http://www.birac.nic.in
Credit Link Capital Subsidy Scheme (CLCSS) for Technology Upgradation	Capital subsidy for uptake of technology upgradation	DC MSME	To facilitate technology up-gradation of MSEs by providing capital subsidy on institutional finance availed by them for induction of well established and improved technology in approved sub-sectors/products.	MSME (preference to women entrepreneurs)	All sector	Provides capital subsidy on institutional finance	Upto INR 15 lakhs subsidy	Throgh banks and financial institutions. Documents available at: http://www.dcmsme.gov.in/schemes/SCLCS_FOR_TU_SSI_UNITS.pdf
Lean manufacturing competitiveness scheme for MSMEs	Adoption of lean processes & techniques	DC MSME	To enhance the manufacturing competitiveness of MSMEs through the application of various Lean Manufacturing (LM) Techniques.	Group/mini cluster/ SPV of MSMEs (6-10)	All	Introducing Lean Manufacturing Techniques: reduce waste; increase productivity; Introducing innovative practices; Inculcating good management systems;	80% of the fees of Lean Manufacturing Consultant (LMC)	Online application to either of two NIMUs- NPS or QCI:1. http://www.npcindia.gov.in/wp-content/uploads/2015/09/%C3%98-Up-scaled_-Revised-2013-Lean-Manufacturing-Competitiveness-Scheme-LMCS.html; 2. http://lmcp.nabet.qci.org.in/frmUserLoginCreation.aspx-?url=-8587150562777667808\
Design Clinic Scheme	Innovative Design Support	DC MSME	To provide expert advice and solutions on real time design problems for increasing competitiveness of MSMEs	Individual/ Groups of MSMEs; Academic Institute & final year design student in association with MSME.	All sector	Support for Design awareness workshops and implementation of ddesign programmes.	INR 60,000- 15 Lakhs	Online application to NID http://www.designclinicsmsme.org/
Marketing Assistance and Technology Up-gradation of MSMEs	Supporting technology upgradation in packaging	DC MSME	To raise the level of awareness and knowledge in respect of modern packaging technology; conduct gap analysis in respect of packaging for identified clusters/product and to promote adoption and use of modern packaging technology	MSMEs; Industry Associations; NGO; technical institutions	All sector	Awarenesss programmes; Studies & technology improvement in packaging for group of SMEs	80% of the actual expenditure (from INR 1lakhs- 9 lakhs)	EoI. Applications & details at:http://www.dcmsme.gov.in/schemes/MarketingAss&Techup.htm

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Technology and Quality Upgradation (TEQUP) Support to MSMEs	Supporting usage of clean technology & obtain product certification	DC MSME	To enhance competitiveness of the MSME sector, through Energy Efficiency and Product Quality Certification.	MSME groups; BMOs; State Govt. agencies like MITCON, GEDA, etc;Academia & other Expert Organisations like PCRA, BEE, TERI, etc	All Sector	Capacity Building of MSME Clusters for Energy Efficiency/Clean Development Interventions and other technologies mandated as per the global standards - Organizing Awareness Programme in clusters and Preparations of DPR	75% (INR 75,000 - 15lakhs) for awareness programme; DPR preperation; establishing Carbon Credit accredttation centres; 25% (upto 10 lakhs) for implementation of Energy efficient technology	RFP/EOI. Scheme Details can be accessed at: http://www.dcmsme.gov.in/schemes/TEQUPDetail.htm
Multiplier Grants Scheme- "Srrijan: Prithvi"	Academia-Industry Collaboration for Technology Development	Department of Electronics and Information Technology (DeitY);	1. To establish, nurture and strengthen the linkages between the Industry and Institutes.2. To promote industry oriented R&D at institutes. 3. Encourage and accelerate development of indigenous products and packages; and 4. Bridge the gap between R&D / Proof-of-concept and Commercialisation / globalisation.	Academia & R&D Institutions; Industry & Industry Consortia	Electronics and ICT.	Support for collaboration of Industry with premier academic and government R&D institutions and for accelerating development of indigenous products and packages	Up to INR 2 crore forindividual industry & INR 4 crore for Industry Consortiums	Application in prescribed format http://deity.gov.in/content/multipli er-grants-scheme-mgs-dpl-innovation
Technology Systems Development Programme (TSDP)	Technology development & Ind-Academia collaboration (joint project)	Department of Science & Technology (DST)	To develop and integrate technologies to evolve technology systems both in the advanced and in traditional sectors; value addition and exportability of various products and encouraging developments in application of R&D activities	Industry-academia consortia; Scientists/engineers/ working in academic/R&D institutions	All sectors	Application oriented Research, Design and Development (RD&D) having Production etc Potential; prototype; ; incremental R&D over the existing technologies ;	Amount not fixed. Depends on individual proposal	In prescribed application format available at http://www.dst.gov.in/technology-systems-development-programme-tsdp
Intrument Development Prog (IDP)	Strengthening Industry-Academia research, design, development and production of indigenous instruments in the country	Department of Science & Technology (DST)	Strengthen indigenous capability for research, design, development and production of instruments in the country objectives: -: Indigenous development and production of instruments,- Continuous updating of the technology of instruments , and innovations in the area of instrumentation	Academia; (Technologists, scientists); Consortia of Industry-Academia;	Diverse sectors inclusing agri, medical, food processing, textile, measuring instruments etc	Sophisticated facilities for prototype development, translational facility; platform for technology incubation; batch production of laboratory prototypes for market validation etc	20% of the total project cost with an upper limit of Rs.5.0 lakh. To case basis for project over 50 LakhsQuantam decided on cas	Application in Prescribed format. http://www.dst.gov.in/instrumentation-development-programme

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Technology Development & Utilisation Programme for Women (TDUPW)	Technology upgradation & adoption by women entrepreneurs	Department of Scientific and Industrial Research (DSIR)	1. Promoting adoption of new technologies by women; 2. Awareness creation and training of women on technology related issues; 3. Promoting Technological upgradation of women MSMEs; 4. Showcasing of appropriate technologies and organizing demonstration programmes for the benefit of women; 5. Design and development of products, processes beneficial to women	MSME, BMO; NGOs; Academia; other institutions working on areas related to development of technologies for women	All Sector	1. Studies (technology assessment etc) 2. Documentation and content development(technologies useful for production activities,best practices etc) 3. Establishing Consultancy Cells for imparting technical knowledge on adoption of latest technologies; 4. Awareness creation and training of women	Amount not fixed. Depends on individual proposal	Application in prescribed format http://dsir.nic.in/tpdup/tdupw/tdupw.htm For more info contact : Team Leader (TPDU); Department of Scientific and Industrial Research; Technology Bhawan, New Mehrauli Road; New Delhi-110016; Email: nrfc@nic.in
Technology Development and Demonstration Program (TDDP)	Development and demonstration of innovative technologies & strengthening Industry-academia collaboration	Department of Scientific and Industrial Research (DSIR)	To strengthen the industry-academia interface and provide catalytic support for development and demonstration of innovative product and process technologies (proof of concept or laboratory stage to pilot stage-till Commercialisation)	A company; Consortium of companies with any scientific establishment	Any sector leading to industrially useful applications.	Development of a new or improved product, process, Absorption and up-gradation of imported technology, Priority technology development projects of PSUs, Development & demonstration of technologies for common use by cluster of industries & Development & demonstration of technologies for government's flagship and mission mode projects	40-50% financial support	Aplication in prescribed format. : http://dsir.nic.in/tpdup/tddp/tddp.htm
Development and Promotion of Clean Technology And Waste Minimisation Strategies	Absorption of clean technology; facilitating Industry-academia Collaboration	Ministry of Environment, Forests and Climate Change (MoEFCC)	To facilitate promotion and adoption of clean technologies and waste minimisation strategies	MSME; Academia; BMOs	Diverse	Absorption and up-gradation of innovative clean technologies and their demonstration through pilot projects	75-90%	Application in prescribed format http://envfor.nic.in/

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Science & Technology for Women	Developing Technologies for women & fellowship for women scientiests	SEED Division, Dept of S&T	Research, development and demonstration projects for improving quality of women	Academia (R&D laboratories, universities, educational institutions) and NGOs	All Sector	Design, fabrication and improvement of equipment, accessories, tools and machineries used by women ; • Enhancing capability of women in modern industries particularly in electrical and electronic technologies; • Specific science and technology application program to solve the problems of women ; studeis etc	Varies depending on the programme	Proposal in prescribed format : http://www.scienceandsociety-dst.org/women1.htm
TIFAC-SIDBI Revolving Fund for Technology Innovation Programme (SRIJAN)	Technology development & commercialisation	SIDBI & TIFAC	Facilitating development, demonstration and Commercialisation of technology innovation projects pertaining to new product or process development to encourage and promote development of capabilities in MSMEs to innovate	SMEs; Jointly by Industry-Academia/ institute; Start-up / incubating companies	All sectors	Commercialisation of a new product; improvements / modifications in the existing product / process / application; o Upgradation in product quality, reduction of energy consumption; o Adaptation / modification in imported technology to make it suitable for wider domestic application etc	Subsidised loan for project up INR 10 100 Lakh	Application in a prescribed format to either SIDBI or TIFAC. Forms available at http://tifac.org.in/index.php?option=com_content&view=article&id=790&Itemid=1384#bro
Schemes Promoting Research & Development								
Access to Knowledge for Technology Development and Dissemination (A2K+)	Research Study on technology and innovation management	Department of Scientific and Industrial Research (DSIR)	To undertake studies on technology and innovation management for the benefit of industry and research Organisations.	MSME; Academia; Public funded bodies & institutions	Diverse	Grant for conducting study on technology and innovation management aimed at equipping the industry, associations, academia, research institutions, consultants, entrepreneurs, research students and policy makers with an information and knowledge base.	Amount not fixed. Depends on individual proposal	Prescribed Format. Details available at http://www.dsir.gov.in/#files/12plan/a2k/a2ks.html

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Grant-in-aid for funding R&D Projects	Research & Development for technology development	Department of Electronics and Information Technology (DeitY);	This objective of the scheme is to promote research and development. Scheme provides fund to technical, scientific or academic establishment to undertake research projects.	Academic institution;R&D institutions	Electronics and ICT.	Financial support for undertaking Research & Development	Amount not fixed. Depends on individual proposal	Application in prescribed format. http://meity.gov.in/sites/upload_files/dit/files/guidelines_final_vers3%20(1).pdf
Scheme for Funding Industry Relevant R&D	Academia Collaboration to solve industry problems	Science and Engineering Research Board (SERB);	To utilize the expertise available in academic institutions and national laboratories to solve industry specific problems for the larger benefit of society.	Academia-Industry Consortia	All Sector	Proposals that adopt an innovative approach to solve a problem faced by the industry; Proposals whose outcomes will bring new scientific and technological innovations; Solution driven research that aid technology transfer and Commercialisation.	Upto 50% support to a maximum of INR 50 Lakh	The proposals can be submitted online through the website: www.serbonline.in
Schemes for protection of IP & Patents								
Financial Assistance on Bar-Code	Support for acquiring bar code	DC MSME	To enhance the marketing competitiveness of Micro & Small Enterprises by encouraging them to adopt Bar Code.	MSME	All sector	Adoption of Bar code	75% of one time registration fee and 75% of annual recurring fee for first three years	Application in prescribed format in prescribed application form http://www.dcmsme.gov.in/schemes/ApplicationForm-BarCode.pdf
Support for International Patent Protection in Electronics and IT (SIP-EIT) II	Support for patent filing	Department of Electronics and Information Technology (DeitY);	To provide financial support to MSMEs and Technology Startup units for international patent filing.	MSME, Registered STP units, Technology Incubation enterprises registered as companies	Electronics and ICT.	All patent processing costs including Attorneys' Fees, Patent Office filing fees, Examination Fees, Patent Search cost, Additional cost for entering National Phase upto grant/issue	INR 15 lakhs or 50% of the total expenses incurred on filing each invention whichever is less	Application in prescribed format http://meity.gov.in/content/sip-eit-support-international-patent-protection-eit-sip-eit-%E2%80%93-ii-micro-small-and-medium-ente
Scheme To Support IPR Awareness Workshops/ Seminars In E&IT Sector	Awareness on Intellectual property (IP)	Department of Electronics and Information Technology (DeitY);	To sensitize and create awareness on intellectual property (IP) and to disseminate the scheme among stakeholders especially in E&IT sector.	Academia; BMOs & DeitY Societies or DeitY Autonomous bodies	Electronics & IT	Cost of organising workshop	INR 2-5 Lakhs depending on type of implementing agency	Online application available at DeitY website (http://deity.gov.in/) or ICT-IPR portal (http://www.ict-ipr.in/sipeit/login

Name of Scheme	Focus Area	Dept. / Ministry	Objectives	Eligible Applicant	Sector	Nature of Support	Total Support	Application & Web Details
Patent Acquisition and Collaborative Research and Technology Development (PACE)	To acquire patented technology, develop innovative solution for problem and promoting Industry-academia collaboration	Department of Scientific and Industrial Research (DSIR)	To support Indian industries to acquire patented technology at an early stage from within the country or overseas on an exclusive as well as non-exclusive basis, add value to the acquired technology (either independently or in collaboration with public funded research institutions in India or abroad) for exploitation in Indian/foreign markets and develop innovative and socially relevant products for public consumption in India and abroad.	SMEs, Startups, • Consortium of companies with any R&D organisation.	All	(a) Technology Acquisition- acquiring patented technology on exclusive/ non exclusive basis ; and b) Technology Development and Demonstration (TDD).when industry develops and demonstrates the technology (either acquired technology or its own indigenous in-house technology) alone or in collaboration with R&D organization/ academic institution/ university in India or abroad.	Funding R&D projects of industry alone -50%; Funding R&D projects of industry in collaboration with R&D organisation/ academic institution/ university in India or abroad -100%	Application in prescribed format http://www.dsir.gov.in/#files/12plan/pace/PACE Guidelines post final 22.html
Building Awareness on Intellectual Property Rights' (IPR) for MSMEs	IP Awareness and assessment of IPR related needs of MSMEs	DC MSME	Enhance awareness of MSME about Intellectual Property Rights (IPRs) to take measures for the protecting their ideas and business strategies	BMOs, co-operatives, and other technical experts, IPR facilitating agencies	All sectors	Funding support for conducting assessment studies, workshops, seminars, programmes	Upto INR 2.5 lakhs for Studies; upto 2 lakhs for awareness programmes; & upto 7.5 lakh for international exchange programme.	Online in prescribed format http://www.dcmsme.gov.in/schemes/ipr10.pdf
Other Schemes								
TIFAC- MSME Internship Scheme	Student Internship in SMEs & promoting Industry_academia Collaboration	TIFAC	To provide a platform for establishing interaction between academia and MSME industries on a mutually win-win basis . encourage enhanced and continued involvement of students and faculty of technical institutions with industries and provide technical support to the MSMEs.	Technical Institution recognized by AICTE/UGC.	All Sector	Students stipend; institutes travel, verhead cost etc	Upto 4.3 lakhs for 2 month internship of 30 students & Upto INR 2.95 lakhs/project	Application by Institutes in prescribed format. Details available at:http://tifac.org.in/index.php?option=com_content&view=article&id=69&Itemid=100
TIFAC Capacity Building Programme for MSMEs	Capacity building of MSMEs	TIFAC	To improve productivity of the cluster industries and enhance capabilities of people working with the industries	Academia; R&D institutes; Consulting firm and other knowledge agencies	All Sector	Trainings- managerial 7 FOR SKILLED/unskilled workers	INR 2-7 lakhs for organising capacity development programmes	The proposals to be submitted in standard format available at http://tifac.org.in/images/pdf/MSME_guidelines.pdf

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