



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>

Mon, Dec 25, 2023 at 11:24 AM

To: Manoranjan <mohantym@nic.in>, Sumeet Nagpal <sumeet.nagpal@nic.in>

Cc: "registrar.tifac.tifac" <registrar@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, drpradeep19 <drpradeep19@gmail.com>, uma daral <umadaral@gmail.com>

Dear Dr Mohanty

The inputs sent to you may be treated as final as this has now been approved by ED

Regards

Sangeeta

On Mon, 25 Dec, 2023, 11:09 Sangeeta Baksi, <sangeetabaksi@gmail.com> wrote:

Dear Dr Mohanty

PFA the inputs on the subject matter. This is an advanced copy as approval from ED is awaited.

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[Quoted text hidden]

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Mon, Dec 25, 2023 at 11:22 AM

----- Forwarded message -----

From: Dr Pradeep Srivastava IIT BHU <drpradeep19@gmail.com>

Date: Mon, 25 Dec, 2023, 11:17

Subject: Re: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

○ Appreciate as placed
PS

Prof .Pradeep Srivastava,PhD, FIE
Professor in Biochemical Engineering, IIT(BHU)
Executive Director,
TIFAC, Govt of India
Shaheedjt Singh Marg,
New Delhi
INDIA
Cell:+91-9415302088

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>

Mon, Dec 25, 2023 at 11:13 AM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, drpradeep19 <drpradeep19@gmail.com>, "registrar.tifac.tifac" <registrar@tifac.org.in>, uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: **Sangeeta Baksi** <sangeetabaksi@gmail.com>

Date: Mon, Dec 25, 2023 at 11:09 AM

Subject: Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Manoranjan <mohantym@nic.in>, Sumeet Nagpal <sumeet.nagpal@nic.in>

Dear Dr Mohanty

PFA the inputs on the subject matter. This is an advanced copy as approval from ED is awaited.

[Quoted text hidden]

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**RS Starred Q No. S4739 (Dec 15, 2023).docx**

25K

Technology Information, Forecasting & Assessment Council (TIFAC)
(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

15.12.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S4739 due for reply on 21/12/2023 reg. "Autonomous Institutions and Statutory Boards"

Dear Shri Nagpal,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are enclosed.

With regards,

Yours sincerely,

(Sangeeta Baksi)
Scientist F & In-charge (RC)

Shri Sumit Nagpal
JTA, Autonomous Institution Division
Department of Science & Technology
Technology Bhavan, New Delhi-110016

2018-2019

S. No	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	State/UT
1.	Delhi	TIFAC	Women Scientist Scheme (WOS-C)		DST	4,85,20,000/-	2018-19
2.	Delhi	TIFAC	Women Scientist Scheme (WOS-C)		DST	2,00,00,000/-	2018-19

2019-2020

S. No.	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year
1.	Delhi	TIFAC	Technology Gap Analysis Study for the Chanapatana Toys Cluster, Ramnagar District, Karnataka	P-14011/4/2021-MSME-TIFAC	TIFAC	15.0 Lakhs	2019-2020 October, 2019
2.	Delhi	TIFAC	Technology Gap Analysis Study for Katkhal Sital Pati Cluster, Hailakandi, Assam	P-14011/8/2021-MSME-TIFAC	TIFAC	14.64 Lakhs	2019-2020 October, 2019
3.	Delhi	TIFAC	Technology Gap Analysis Study for the Apparel Manufacturing Cluster, North 24 Paraganas, Kolkata, West Bengal	P-14011/8/2021-MSME-TIFAC	TIFAC	18.50 Lakhs	2019-2020 July, 2019
4.	Delhi	TIFAC	Technology Gap Analysis Study for the Sal/Arcanut Leaf Plate Manufacturing Cluster, Bishnupur, Bankura, West Bengal	P-14011/6/2021-MSME-TIFAC	TIFAC	17.90 Lakhs	2019-2020 July, 2019
5.	Delhi	TIFAC	Technology Gap Analysis Study for the i) Fisheries and ii) Food & Spices Cluster, Manipur	P-14011/13/2021-MSME-TIFAC	TIFAC	10.0 Lakhs	2019-2020 October, 2019
6.	Delhi	TIFAC	White paper on Electric Road Systems and Opportunity Charging	Nil	For the Office of the PSA	Nil	2019-20
7.	Delhi	TIFAC	Women Scientist Scheme (WOS-C)		DST	5,00,00,000/-	2019-20
8.	Delhi	TIFAC	WISE IPR		Patent Facilitating Centre (PFC)	Nil	2019-20
9.	Delhi	TIFAC	Scientific Social Responsibility (SSR)	DST/NST MIS/05/299 /2017-18	Department of Science & Technology,	38.39 Lakhs	2019

					Govt. of India		
10.	Bangalore	TIFAC	Climate Smart Livelihood and Socio-ecological Development of Biodiversity Hotspots of India with ISEC, Bangalore		TIFAC	22.54 Lakhs	2019-20

2020-2021

S. No.	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount
1.	Delhi	TIFAC	WISE IPR	PFC		2,00,00,000/-

2021-2022

S. No.	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year
1.	Delhi	TIFAC	TIFAC Academic Partner (TAP) - Indian Institute of Technology- Banaras Hindu University (IIT-BHU) – Varanasi, Uttar Pradesh	P-14011/1/2022-MSME-TIFAC	TIFAC	20.0 Lakhs	2021-2022 March, 2022
2.	Delhi	TIFAC	TIFAC Academic Partner (TAP) - Satyabama Institute of Science and Technology (SIST) – Chennai, Tamilnadu	P-14011/10/2021-MSME-TIFAC	TIFAC	20.0 Lakhs	2021-2022 August, 2021
3.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – Pune Chinchwad College of Engineering (PCCOE) – Pune, Maharashtra	P-14011/11/2021-MSME-TIFAC	TIFAC	20.0 Lakhs	2021-2022 October, 2021
4.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – Maulana Abul Kalam Azad University of Technology (MAKAUT) – Kolkata, West Bengal	P-14011/14/2021-MSME-TIFAC	TIFAC	20.0 Lakhs	2021-2022 November, 2021
5.	Delhi	TIFAC	Forecasting Penetration of Electric Two Wheelers in India	Nil	Prepared in association with NITI Aayog	Nil	2021-22
6.	Delhi	TIFAC	Technoeconomic Feasibility of Hyperloop (Report on Economic Feasibility)	Nil	Prepared for NITI Aayog	Nil	2021-22

	Delhi	TIFAC	Women Scientist Scheme (WOS-C)		DST	6,63,74,564/-	2021-22
8.	Delhi	TIFAC	WISE IPR		PFC	2,00,00,000/-	2021-22

2022-2023

S. No.	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year
1.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – National Institute of Technology (NIT) – Srinagar, Jammu & Kashmir	P-14011/3 / 2022-MSME-TIFAC	TIFAC	20.0 Lakhs	2022-2023 November, 2022
2.	Delhi	TIFAC	Estimation of Real-life Fuel Economy of Indian Vehicles by a Data Driven Approach	Nil	International Transport Forum (ITF) at the OECD	Euro 29,236/-	2022-23
3.	Delhi	TIFAC	Whitepaper on Hindrances of Electric Mobility – Power Electronics, Machines and Drives (PEMD)	Nil	For Department of Science and Technology	Nil	2022-23
4.	Delhi	TIFAC	Estimation of Real-life Fuel Economy of Indian Vehicles by a Data Driven Approach	Nil	International Transport Forum (ITF) at the OECD	Euro 29,236/-	2022-23
5.	Delhi	TIFAC	Women Scientist Scheme (WOS-C)		DST	Nil	2022-23
6.	Delhi	TIFAC	WISE IPR		Patent Facilitating Centre (PFC)	Nil	2022-23
7.	Delhi	TIFAC	Technology Needs Assessment (TNA)	DST/C CP/NM SKCC/ TNA/21 1/2022 dated 2 nd January, 2023	Climate Change Programme, Department of Science & Technology, Govt. of India	138.00 Lakhs	2023
8.	Delhi	TIFAC	Preparation of Technology Roadmap 2047 for Defence Sector	ERIP/ER/20230 7001/M/01/1827 dated 8 th August, 2023	Defence Research and Development Organization (DRDO)	21.30 Lakhs	2023
9.	Delhi	TIFAC	Techno-commercial assessment of TRL-6 and above technologies developed in India by academia, research labs and industry	No. A2K S-11011/6/2022-IRD-DSIR	Department of Scientific and Industrial Research	40.00 Lakhs	2022-23
10.	Delhi	TIFAC	Technology Evaluation and Assessment of ClarityAI App	P-21012/1/2022-SRIJAN-TIFAC	M/S. Aeris Communications India Pvt. Ltd, Noida	1.00 Lakh	2022-23

2023- till present

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3.	Delhi	TIFAC	Evaluating Impact of Conversion / Replacement of Coal Fired Furnace by Gas Based Furnace in the Moradabad Metal Cluster	P-29/1/2023-HOD(MSME)-TIFAC	SIDBI	10 Lakh	2023-24 (ongoing)
4.	Delhi	TIFAC	Technology validation of the energy efficient (EE) technologies-based plant and machinery equipment's identified across 35 MSME sectors as Green Technology database		Small Industrial Development Bank of India (SIDBI)	9.99 Lacs	2023-24



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Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Dec 15, 2023 at 4:01 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, drpradeep19 <drpradeep19@gmail.com>

Cc: uma daral <umadaral@gmail.com>

Dear Sir


PFA the inputs for the subject RS question for your perusal and approval please,

Regards

Sangeeta

[Quoted text hidden]

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 **RS Starred Q No. S4739 (Dec 15, 2023).docx**
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Technology Information, Forecasting & Assessment Council (TIFAC)
(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

15.12.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S4739 due for reply on 21/12/2023 reg. "Autonomous Institutions and Statutory Boards"

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Scientist F & In-charge (RC)

Shri Sumit Nagpal
JTA, Autonomous Institution Division
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2023- till present

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Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Wed, Dec 13, 2023 at 11:32 AM

----- Forwarded message -----

From: **Incharge Admin and Estt** <registrar.tifac@nic.in>

Date: Wed, 13 Dec, 2023, 11:09

Subject: Re: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Sumeet Nagpal <sumeet.nagpal@nic.in>

Cc: Manoranjan <mohantym@nic.in>, Pradeep Srivastava <ed@tifac.org.in>, Resource Cell, TIFAC <resourcecell@tifac.org.in>, sangeeta Baksi <sangeetabaksi@gmail.com>

Dear Shri Sumeet,

For better understanding, please provide the trailing mail or the complete question to be answered (as it is not clear that details of which type of projects are required - whether projects taken up by the AI with DST core funding OR projects sponsored by any other organization. Whether to include projects sponsored by pvt. organizations or not, etc.).

मुकेश माथुर / Mukesh Mathur

वैज्ञानिक - एफ एवं प्रभारी (प्रशासन) / Scientist-F and In-charge (Administration)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् / Technology Information, Forecasting and Assessment Council (TIFAC)

विज्ञान एवं प्रौद्योगिकी विभाग (भारत सरकार) / Department of Science & Technology (Govt. of India)

5 वीं मंजिल, ए. आई. ब्लॉक / Fifth Floor, AI Block

टेक्नोलॉजी भवन, नया महरौली रोड / Technology Bhawan, New Mehrauli Road

नयी दिल्ली / New Delhi - 110016

From: "Sumeet Nagpal" <sumeet.nagpal@nic.in>

To: director@aripune.org, directoraries@aries.res.in, director@bsip.res.in, director@jcbosc.ac.in, director@cens.res.in, director@iacs.res.in, diria@iiap.res.in, "IIG DIRECTOR" <iig.director@iigm.res.in>, "Director ARCI" <director@arci.res.in>, director@inst.ac.in, "Director IASST" <dir.iasst@nic.in>, president@jncasr.ac.in, director@rri.res.in, director@bose.res.in, director@sctimst.ac.in, director@wihg.res.in, cio@nifindia.org, director@vigyanprasar.gov.in, "Pradeep Srivastava" <ed@tifac.org.in>, "Dr Akhilesh Gupta" <secretary.serb@nic.in>, "dg nectar" <dg.nectar@nectar.org.in>, execsec@ias.ac.in, president@inae.in, "Atul Kumar" <es.sciencecongress@nic.in>, "aes nasi" <aes.nasi@gmail.com>, "Prof Ashutosh Sharma" <president@insa.nic.in>

Cc: "Manoranjan" <mohantym@nic.in>, pkdhakephalkar@aripune.org, "Registrar ARIES" <registrar@aries.res.in>, registrar@bsip.res.in, "registrar office" <registrar_office@jcbosc.ac.in>, admin@cens.res.in, registrar@iacs.res.in, "shripathi k" <shripathi.k@iiap.res.in>, "IIG REGISTRAR" <iig.registrar@iigm.res.in>, "Srinivas A" <asrinivas@arci.res.in>, hngosh@inst.ac.in, registrar@wihg.res.in, admin@jncasr.ac.in, ao@rri.res.in, registrar@bose.res.in, dreg@sctimst.ac.in, registrar@wihg.res.in, vipin@nifindia.org, registrar@vigyanprasar.gov.in, "Incharge Admin and Estt" <registrar@tifac.org.in>, "Director Serb" <director@serb.gov.in>, nectar@nectar.org.in, "nasi allahabad" <nasi.allahabad@gmail.com>, president@ias.ac.in, "Dr Brajesh Pandey" <exe.director@insa.nic.in>, arvsaxena@gmail.com, inahq@inae.in

Sent: Wednesday, December 13, 2023 10:25:36 AM

Subject: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

TIME BOUND / समयबद्ध
PARLIAMENT QUESTION / संसदीय प्रश्न

**(Inputs requested by : 12:00 PM, 15.12.2023 / इनपुट अनुरोधित 12:00 मध्याह्न,
15.12.2023 तक)**

आदरणीय महोदय/महोदया | Respected Sir/Madam,

नमस्ते | Greetings !!

I am directed to refer to the trail email on the above cited subject and to state that a PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 to be answered on 21.12.2023 by Hon'ble Minister-in-charge for Science and Technology is received from Question Branch of Rajya Sabha Secretariat.

It is requested to kindly manage to provide inputs i.r.o. projects at your esteemed Institution/Organisation in **MS Excel file** in following format for **last 5 financial years (i.e. 2018-19, 2019-20, 2020-21, 2021-22 and 2022-23) and current year so far (i.e. 01.04.2023 to present)**:

S. No.	State/UT	Name of AI	AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year

Kindly manage to send the **MS Excel file** to Dr. M. Mohanty, Scientist 'G' & Head AI Division (email : mohantym@nic.in) with a copy to sumeet.nagpal@nic.in **latest by 15.07.2023**. If there are **'Nil'** inputs the same may also please be conveyed.

With Regards / सादर

Sumeet Nagpal / सुमीत नागपाल,

JTA / क. त. स., Autonomous Institution Division /स्वायत्त संस्थान प्रभाग

Department of Science and Technology, Govt. of India / विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार

Technology Bhavan, New Mehrauli Road / टेक्नोलॉजी भवन, नया महरौली मार्ग

New Delhi / नई दिल्ली- 110016

Website/वेबसाइट : <https://dst.gov.in/>



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Dec 13, 2023 at 1:32 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, Nirjala <nkaushik@nic.in>, "nirjala.kaushik" <nirjala.kaushik@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, sangeeta <sangeetanagar2005@gmail.com>, uma daral <umadaral@gmail.com>

Dear All

Pl provide inputs for the subject RS question preferably by today itself.

Regards

Sangeeta

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Wed, Dec 13, 2023 at 5:59 PM

----- Forwarded message -----

From: **Mukesh Mathur TIFAC** <mukesh.tifac@gmail.com>

Date: Wed, 13 Dec, 2023, 17:15

Subject: Fwd: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Sangeeta Baksi <sangeetabaksi@gmail.com>, Resource Cell, TIFAC <resourcecell@tifac.org.in>

MSME inputs attached.

----- Forwarded message -----

From: **Deepak Kumar** <deepakumar844@gmail.com>

Date: Wed, Dec 13, 2023 at 4:52 PM

Subject: Re: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Mukesh Mathur TIFAC <mukesh.tifac@gmail.com>

Respected Sir

Please find enclosed the answer for the parliament question.

With best regards

Deepak, TIFAC

On Wed, Dec 13, 2023 at 3:00 PM Mukesh Mathur TIFAC <mukesh.tifac@gmail.com> wrote:

For inputs from MSME division please.

[Quoted text hidden]

--

Deepak Kumar

Scientist

TIFAC, DST,

Ministry of S&T, Govt. of India

Ph:91-011-26592761,42525761

Mo: 09910418778

Fax: 91-011-26961158,26515420

**Parliament Question 2023.docx**

16K

S/No.	State/UT	Name of AI	Project Name	Ref. No.	Sponsoring Agency	Amount	Year
1.	Delhi	TIFAC	TIFAC Academic Partner (TAP) - Indian Institute of Technology- Banaras Hindu University (IIT-BHU) – Varanasi, Uttar Pradesh	P-14011/1/ 2022-MSME- TIFAC	TIFAC	20.0 Lakhs	2021-2022 March, 2022
2.	Delhi	TIFAC	TIFAC Academic Partner (TAP) - Satyabama Institute of Science and Technology (SIST) – Chennai, Tamilnadu	P-14011/10/ 2021-MSME- TIFAC	TIFAC	20.0 Lakhs	2021-2022 August, 2021
3.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – Pune Chinchwad College of Engineering (PCCOE) – Pune, Maharashtra	P-14011/11/ 2021-MSME- TIFAC	TIFAC	20.0 Lakhs	2021-2022 October, 2021
4.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – Maulana Abul Kalam Azad University of Technology (MAKAUT) – Kolkata, West Bengal	P-14011/14/ 2021-MSME- TIFAC	TIFAC	20.0 Lakhs	2021-2022 November, 2021
5.	Delhi	TIFAC	TIFAC Academic Partner (TAP) – National Institute of Technology (NIT) – Srinagar, Jammu & Kashmir	P-14011/3/ 2022-MSME- TIFAC	TIFAC	20.0 Lakhs	2022-2023 November, 2022
6.	Delhi	TIFAC	Technology Gap Analysis Study for the Chanapatana Toys Cluster, Ramnagar District, Karnataka	P-14011/4/ 2021-MSME- TIFAC	TIFAC	15.0 Lakhs	2019-2020 October, 2019
7.	Delhi	TIFAC	Technology Gap Analysis Study for Katkhal Sital Pati Cluster, Hailakandi, Assam	P-14011/8/ 2021-MSME- TIFAC	TIFAC	14.64 Lakhs	2019-2020 October, 2019
8.	Delhi	TIFAC	Technology Gap Analysis Study for the Apparel Manufacturing Cluster, North 24 Paraganas, Kolkata, West Bengal	P-14011/8/ 2021-MSME- TIFAC	TIFAC	18.50 Lakhs	2019-2020 July, 2019
9.	Delhi	TIFAC	Technology Gap Analysis Study for the Sal/Arcanut Leaf Plate Manufacturing Cluster, Bishnupur, Bankura, West Bengal	P-14011/6/ 2021-MSME- TIFAC	TIFAC	17.90 Lakhs	2019-2020 July, 2019

10.	Delhi	TIFAC	Technology Gap Analysis Study for the i) Fisheries and ii) Food & Spices Cluster, Manipur	P-14011/13/ 2021-MSME- TIFAC	TIFAC	10.0 Lakhs	2019-2020 October, 2019
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Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Arghya Sardar <arghyas@gmail.com>
To: Sangeeta Baksi <sangeetabaksi@gmail.com>
Cc: uma daral <umadaral@gmail.com>

Thu, Dec 14, 2023 at 12:25 PM

Dear Sangeeta,

Please find attached the inputs from the Energy and Transport/ TFAR division.

With regards,

Arghya

[Quoted text hidden]

--

Arghya Sardar

Head, Energy and Transport

Technology Information, Forecasting & Assessment Council (TIFAC)

5th Floor, AI Block, Technology Bhawan

New Mehrauli Road, New Delhi - 110 016, India

Phone: +91-11-26511237

Email: arhyas@gmail.com/ arghya@tifac.org.in



Input for Parliamen tQuestion-2023-12-14.xlsx

11K

S. No	State/ UT	Name of AI	P
1	Delhi	TIFAC	E: b'
2	Delhi	TIFAC	Fc In
3	Delhi	TIFAC	Te Ec
4	Delhi	TIFAC	W Eli
6	Delhi	TIFAC	W Ch
7	Delhi	TIFAC	De Na

Sponsoring Agency	Amount	Year
International Transport Forum (ITF) at the OECD Prepared in association with NITI Aayog Prepared for NITI Aayog For Department of Science and Technology For the Office of the PSA	Euro 29,236/-	2022-23
NITI Aayog Prepared for NITI Aayog	Nil	2021-22 and 2022-23
NITI Aayog Prepared for NITI Aayog	Nil	2021-22 to 2022-23
Science and Technology For Department of the PSA	Nil	2022-23 and 2023-24
Department of Heavy Industry	Nil	2019-20
Department of Heavy Industry	Rs.44.59 lakhs	2015-16 to -2018-19



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Thu, Dec 14, 2023 at 1:46 PM

----- Forwarded message -----

From: Sangeeta Nagar <sangeetanagar2005@gmail.com>

Date: Thu, 14 Dec, 2023, 13:32

Subject: Re: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Dear Sangeeta,

Please find below the table giving details of funds sanctioned by DST for WOS-C, WISE IPR and PFC for the period as desired :

Year	Women Scientist Scheme (WOS-C) (Amount in Rs)	WISE IPR (Amount in Rs)	Patent Facilitating Centre (PFC) (Amount in Rs)
2018-19	4,85,20,000/-		2,00,00,000/-
2019-20	5,00,00,000/-		Nil
2020-21	7,45,59,361/-		2,00,00,000/-
2021-22	6,63,74,564/-		2,00,00,000/-
2022-23	Nil		Nil
2023-till date	Nil	6,04,10,000/-	Nil

Regards

Sangeeta Nagar
Scientist F
Patent Facilitating Centre (PFC)
TIFAC, An Autonomous Body of Dept of Science & Technology
"A" Wing, Vishwakarma Bhavan
Shaheed Jeet Singh Marg
New Delhi 110016
Tel : 91-011-42525802; Fax : 26863866, Mob : 09871075662
Email :s_nagar@tifac.org.in, sangeetanagar2005@gmail.com

On Wed, 13 Dec 2023 at 13:32, Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:
[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

pulak basak <basakpr@yahoo.com>

Thu, Dec 14, 2023 at 4:28 PM

Reply-To: pulak basak <basakpr@yahoo.com>

To: Sangeeta Baksi <sangeetabaksi@gmail.com>, Uma Daral <umadaral@gmail.com>

Cc: "T. Selvan" <selvanms@gmail.com>, Brajeshwar Chandelia <brejeshwar@gmail.com>

PFA inputs.

Pulak Ranjan Basak / पुलक रंजन बसाक

Scientist-G / वैज्ञानिक-जी

Head, TIFAC-SIDBI Technology Innovation Programme (Srijan)

टाइफैक - सिडबी टेक्नोलॉजी इनोवेशन प्रोग्राम (सृजन)

Technology Information, Forecasting & Assessment Council (TIFAC)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक)

(An autonomous body under the Department of Science & Technology, Govt. of India)

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार की स्वायत्तशासी संस्था)

AI Block, Technology Bhavan

ऐ आई ब्लॉक, टेक्नोलॉजी भवन

Shaheed Jeet Singh Marg


शहीद जीत सिंह मार्ग

New Delhi 110016

नई दिल्ली ११००१६

Mob: 9868867179

[Quoted text hidden]

 **Extramural fund projects 2022-24.docx**

17K

S. No.	State /UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year
1	Delhi	TIFAC	Techno-commercial assessment of TRL-6 and above technologies developed in India by academia, research labs and industry	No. A2KS-11011/6/2022-IRD-DSIR	Department of Scientific and Industrial Research	40.00 Lakhs	2022-23
2.			Technology Evaluation and Assessment of ClarityAI App	P-21012/1/2022-SRIJAN-TIFAC	M/S. Aeris Communications India Pvt. Ltd, Noida	1.00 Lakh	2022-23
3.			Technology validation of the energy efficient (EE) technologies-based plant and machinery equipment's identified across 35 MSME sectors as Green Technology database		Small Industrial Development Bank of India (SIDBI)	9.99 Lacs	2023-24



Uma Daral <umadaral@gmail.com>

Fwd: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Dr. T Chakradhar <chakradhar.t@live.com>

Thu, Dec 14, 2023 at 4:18 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Uma Daral <umadaral@gmail.com>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, "goswamig@tifac.org.in" <goswamig@tifac.org.in>, TIFAC Chakradhar <chakradhar@tifac.org.in>

Dear Sangeeta Ji,

With reference to the trailing e-mail circular for submission of inputs Parliament Question FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 , Please find attached the inputs from Foresight and Vision Division.

Further information, if any kindly let us know.

Thanking you

regards

T.Chakradhar

Dr. T. Chakradhar*Scientist-C (Foresight & Vision),*Technology Information, Forecasting & Assessment Council (TIFAC),
(Department of Science & Technology, Govt. of India)5th Floor, AI Block, Technology Bhavan,

New Mehrauli Road,

New Delhi -110 016, INDIA

Phone: +91-11- 26541103(O)

Email: chakradhar@tifac.org.in

website : www.tifac.org.in

**From:** GAUTAM GOSWAMI**Sent:** 14 December 2023 09:26**To:** Dr T Chakradhar**Subject:** Fwd: PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

Pl see and prepare.

Since it is from 2018-19 onwards, we can give project for TNA DST , SSR, DRDO.

Regds

----- Forwarded message -----

From: Sangeeta Baksi <sangeetabaksi@gmail.com>

Date: Wed, Dec 13, 2023 at 1:32 PM

Subject: Fwd: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Dr Pradeep Srivastava <ed@tifac.org.in>, Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, Nirmala <nkaushik@nic.in>, nirmala.kaushik <nirmala.kaushik@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, sangeeta <sangeetanagar2005@gmail.com>, uma daral <umadaral@gmail.com>

Dear All

PI provide inputs for the subject RS question preferably by today itself.

Regards

Sangeeta

----- Forwarded message -----

From: Incharge Admin and Estt <registrar.tifac@nic.in>

Date: Wed, 13 Dec, 2023, 11:09

Subject: Re: PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 re. "Autonomous Institutions and Statutory Boards"

To: Sumeet Nagpal <sumeet.nagpal@nic.in>

Cc: Manoranjan <mohantym@nic.in>, Pradeep Srivastava <ed@tifac.org.in>, Resource Cell, TIFAC <resourcecell@tifac.org.in>, sangeeta Baksi <sangeetabaksi@gmail.com>

Dear Shri Sumeet,

For better understanding, please provide the trailing mail or the complete question to be answered (as it is not clear that details of which type of projects are required - whether projects taken up by the AI with DST core funding OR projects sponsored by any other organization. Whether to include projects sponsored by pvt. organizations or not, etc.).

मुकेश माथुर / Mukesh Mathur

वैज्ञानिक - एफ एवं प्रभारी (प्रशासन) / Scientist-F and In-charge (Administration)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् / Technology Information, Forecasting and Assessment Council (TIFAC)

विज्ञान एवं प्रौद्योगिकी विभाग (भारत सरकार) / Department of Science & Technology (Govt. of India)

5 वीं मंजिल, ए. आई. ब्लॉक / Fifth Floor, AI Block

टेक्नोलॉजी भवन, नया महरौली रोड / Technology Bhawan, New Mehrauli Road
नयी दिल्ली / New Delhi - 110016

[Quoted text hidden]



Inputs Parliament Rajyasabha question Foresight & Vision Division - 14-12-2023.docx
17K

Foresight and Vision Division

Sub.: - Inputs for "PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA Starred /Unstarred Diary No. S4739 for 21/12/2023 reg. "Autonomous Institutions and Statutory Boards" - reg

Sl. No.	State/UT	Name of AI	Project Name	Ref No.	Sponsoring Agency	Amount	Year
1.	Delhi	TIFAC	AI				
			Scientific Social Responsibility (SSR)	DST/NSTMIS/05/299/2017-18	Department of Science & Technology, Govt. of India	₹ 38.39 Lakhs	2019
			Technology Needs Assessment (TNA)	DST/CCP/NMSKCC/TNA/211/2022 dated 2 nd January, 2023	Climate Change Programme, Department of Science & Technology, Govt. of India	₹ 138.00 Lakhs	2023
			Preparation of Technology Roadmap 2047 for Defence Sector	ERIP/ER/202307001/M/01/1827 dated 8 th August, 2023	Defence Research and Development Organization (DRDO)	₹ 21.30 Lakhs	2023



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Dec 6, 2023 at 12:29 PM

To: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, "nirmala.kaushik" <nirmala.kaushik@gmail.com>, sangeeta <sangeetanagar2005@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, uma daral <umadaral@gmail.com>

Dear All

May pl provide inputs if any. Nil inputs may Also be submitted. This may pl be provided today itself.

Regards

Sangeeta

----- Forwarded message -----

From: **Incharge Admin and Estt** <registrar.tifac@nic.in>

Date: Wed, 6 Dec, 2023, 12:10

Subject: Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

To: sangeeta Baksi <sangeetabaksi@gmail.com>, Resource Cell, TIFAC <resourcecell@tifac.org.in>

May please see for n.a.

NIL inputs from my side.

मुकेश माथुर / Mukesh Mathur

वैज्ञानिक - एफ एवं प्रभारी (प्रशासन) / Scientist-F and In-charge (Administration)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् / Technology Information, Forecasting and Assessment Council (TIFAC)

विज्ञान एवं प्रौद्योगिकी विभाग (भारत सरकार) / Department of Science & Technology (Govt. of India)

5 वीं मंजिल, ए. आई. ब्लॉक / Fifth Floor, AI Block

टेक्नोलॉजी भवन, नया महरौली रोड / Technology Bhawan, New Mehrauli Road

नयी दिल्ली / New Delhi - 110016

From: "Pradeep Srivastava" <ed@tifac.org.in>**To:** "Incharge Admin and Estt" <registrar.tifac@nic.in>, "Nirmala" <nkaushik@nic.in>**Sent:** Wednesday, December 6, 2023 11:27:59 AM**Subject:** Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

From: "Dr Pradyot Koley" <p.koley@gov.in>**To:** "Pradeep Srivastava" <ed@tifac.org.in>**Cc:** "Dr. Anita Gupta" <anigupta@nic.in>, "vineet.saini" <vineet.saini@nic.in>, "Swati Jain" <swati.jain02@gov.in>**Sent:** Tuesday, December 5, 2023 11:40:16 AM**Subject:** Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Dear Sir,

Please refer to the trailing e-mail, Department of Science and Technology (DST), Ministry of Science and Technology has received the following provisionally admitted question for the Rajya Sabha.

PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- S3322

The Question Will be put down for -- 14/12/2023

Answer on the Ministry Department -- Science and Technology(S&T)

R&D Strategy for the Emerging Technologies

(a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and (b) If yes, the details thereof; (c) If not, the reasons therefor?

It is requested that pertinent information available with your Ministry/Department/Organization may please be sent to the undersigned at the earliest, and preferably by 06/12/2023.

Hope this receives your expeditious, kind consideration.

Best regards,
Pradyot

--

Dr. Pradyot Koley / डॉ प्रद्योत कोले

Scientist 'D' (Deputy Secretary) / वैज्ञानिक 'डी' (उप सचिव)

Climate Change & Clean Energy (C³E) Division/ जलवायु परिवर्तन और स्वच्छ ऊर्जा (C³E) प्रभाग

New Block I, Room no. 213 / नया ब्लॉक -I, कमरा नंबर - 213

Department of Science and Technology (DST)/ विज्ञान एवं प्रौद्योगिकी विभाग (डी एस टी)

Ministry of Science and Technology, Govt. of India/ विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार

Technology Bhavan, New Mehrauli Road/ प्रौद्योगिकी भवन, नई महरौली सड़क

New Delhi-110016/ नई दिल्ली- 110016

Ph: 011-29512324 (Extn. 12006)/दूरभाष - 011-29512324 (Extn. 12006)

From: rsqns@sansad.nic.in

To: parldst@nic.in

Sent: Monday, December 4, 2023 12:20:50 PM

Subject: R&D Strategy for the Emerging Technologies

PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- S3322

The Question Will be put down for -- 14/12/2023

Answer on the Ministry Department -- Science and Technology(S&T)

R&D Strategy for the Emerging Technologies

(a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and (b) If yes, the details thereof; (c) If not, the reasons therefor?

Prof Pradeep Srivastava, Phd, FIE

Executive Director,

Technology Information Forecasting and Assessment Council,

AI Building, V th Floor,

Technology Bhawan,

New Mehrauli Road, New Delhi - 110016

011-26511227,26511245(D)





Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Wed, Dec 6, 2023 at 12:36 PM

----- Forwarded message -----

From: **Mukesh Mathur TIFAC** <mukesh.tifac@gmail.com>
Date: Wed, 6 Dec, 2023, 12:35
Subject: Re: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies
To: Sangeeta Baksi <sangeetabaksi@gmail.com>

NIL inputs

[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Dec 6, 2023 at 12:36 PM

To: uma daral <umadaral@gmail.com>

Nil inputs from me

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

pulak basak <basakpr@yahoo.com>

Wed, Dec 6, 2023 at 12:44 PM

Reply-To: pulak basak <basakpr@yahoo.com>

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Uma Daral <umadaral@gmail.com>

NIL Inputs.

Pulak Ranjan Basak / पुलक रंजन बसाक

Scientist-G / वैज्ञानिक-जी

Head, TIFAC-SIDBI Technology Innovation Programme (Srijan)

टाइफैक - सिडबी टेक्नोलॉजी इनोवेशन प्रोग्राम (सृजन)

Technology Information, Forecasting & Assessment Council (TIFAC)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक)

(An autonomous body under the Department of Science & Technology, Govt. of India)

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार की स्वायतशासी संस्था)

AI Block, Technology Bhavan

ऐ आई ब्लॉक, टेक्नोलॉजी भवन

Shaheed Jeet Singh Marg

शहीद जीत सिंह मार्ग

New Delhi 110016

नई दिल्ली ११००१६

Mob: 9868867179

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Nirmala Kaushik <nirmala.kaushik@gmail.com>
To: Sangeeta Baksi <sangeetabaksi@gmail.com>
Cc: Uma Daral <Umadaral@gmail.com>

Wed, Dec 6, 2023 at 12:51 PM

NIL inputs.

regards,

Nirmala



[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

GAUTAM GOSWAMI <goswamig.tifac@gmail.com>

Wed, Dec 6, 2023 at 12:54 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Arghya Sardar <arghyas@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Technical Cell ED TIFAC <ed.technicalcell.tifac.org.in>, mukesh tifac <mukesh.tifac@gmail.com>, "nirmala.kaushik"

<nirmala.kaushik@gmail.com>, sangeeta <sangeetanagar2005@gmail.com>, uma daral <umadaral@gmail.com>

Nil input from F&V Division

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Arghya Sardar <arghyas@gmail.com>
To: Sangeeta Baksi <sangeetabaksi@gmail.com>
Cc: Uma Daral <umadaral@gmail.com>

Wed, Dec 6, 2023 at 1:14 PM

Dear Sangeeta,

Following is the input from the Energy and Transport division:

NITI Aayog has conducted a Techno-economic Feasibility of Hyperloop, an emerging sustainable transportation option, and TIFAC contributed the section on Economic Feasibility of Hyperloop for this report. The Department of Science of Technology has taken up initiative for identifying the Technologies to Overcome Hindrances to Electric Mobility in India, and under this initiative, TIFAC coordinated and prepared the whitepaper on "Power Electronics, Machines and Drives".

With regards,

Arghya

On Wed, 6 Dec 2023 at 12:29, Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:
[Quoted text hidden]

--
Arghya Sardar
Head, Energy and Transport
Technology Information, Forecasting & Assessment Council (TIFAC)
5th Floor, AI Block, Technology Bhawan
New Mehrauli Road, New Delhi - 110 016, India
Phone: +91-11-26511237
Email: arghyas@gmail.com/ arghya@tifac.org.in



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Dec 6, 2023 at 3:16 PM

To: drpradeep19 <drpradeep19@gmail.com>, uma daral <umadaral@gmail.com>

Dear Sir

Inputs for the subject RS Question is enclosed for your perusal and approval please. This has to go to DST today itself.

Regards

Sangeeta

[Quoted text hidden]

 **RS Question No. S3322 reg. R&D strategy for the Emerging Technologies-14.12.2023.docx**
18K



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Nagar <sangeetanagar2005@gmail.com>

Wed, Dec 6, 2023 at 3:59 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, "nirmala.kaushik" <nirmala.kaushik@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, uma daral <umadaral@gmail.com>

Dear Sangeeta,

There are NIL Inputs from IPR Division.

Regards

Sangeeta Nagar
Scientist F
Patent Facilitating Centre (PFC)
TIFAC, An Autonomous Body of Dept of Science & Technology
"A" Wing, Vishwakarma Bhavan
Shaheed Jeet Singh Marg
New Delhi 110016
Tel : 91-011-42525802; Fax : 26863866, Mob : 09871075662
Email :s_nagar@tifac.org.in, sangeetanagar2005@gmail.com

On Wed, 6 Dec 2023 at 12:29, Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:
[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Thu, Dec 7, 2023 at 2:23 PM

----- Forwarded message -----

From: **Dr Pradeep Srivastava IIT BHU** <drpradeep19@gmail.com>

Date: Wed, 6 Dec, 2023, 16:12

Subject: Re: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Change the reply it's not ok

You have say about the strategy as identified in our AAN documents

PS

[Quoted text hidden]



Technology Information, Forecasting & Assessment Council (TIFAC)

(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

08.12.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S3322 due for reply on 14/12/2023 reg. "R &D Strategy for the Emerging Technologies"

Dear Dr. Pradyot,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are as follows:

a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and

b) If yes, the details thereof;

- NITI Aayog has conducted a Techno-economic Feasibility of Hyperloop, an emerging sustainable transportation option, and TIFAC contributed the section on Economic Feasibility of Hyperloop for this report
- National Manufacturing Strategy to develop to support "Make in India". ~~Funds to be provided to states for assisting them to develop and execute manufacturing program.~~ *Devi*
R+D Club ~~More manufacturing industries to be created.~~ Manufacturing innovation to launch focus on technology, including additive manufacturing, digital manufacturing, design innovation, lightweight composites, PV cells, storage batteries, integrated photonics, revolutionary fibres and textiles, robotics and biopharmaceutical manufacturing.
- Using AI to reshape product development cycles, improve product design processes, reduce defects and deliver products faster to the market.
- ~~India should make policies around collection of big data (anonymized) coming in from the usage of varying consumer electronics and industrial electronic products.~~
- Develop and adopt standards and architecture for ICT devices and protocols

c) If not, the reason therefor?
N.A.

With regards,

Yours sincerely,

Sd/
(Sangeeta Baksi)
Scientist F & In-charge (RC)

Dr. Pradyot Koley
Scientist 'D (Deputy Secretary)
Climate Change & Clean Energy (C³E), Division
New Block I, Room No. 213
Department of Science & Technology
Technology Bhavan, New Delhi-110016

Technology Information, Forecasting & Assessment Council (TIFAC)
(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

07.12.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S3322 due for reply on 14/12/2023 reg. "R & D Strategy for the Emerging Technologies"

Dear Dr. Pradyot,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are as follows:

a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and

b) If yes, the details thereof;

- ③
- Using AI to reshape product development cycles, improve product design processes, reduce defects and deliver products faster to the market.
 - Creation of Tech Acceleration Hub, supported by Government for the Promotion of technology transfer and upscale commercialization.
 - Necessary support be provided for promotion of modern contemporary technologies from countries like Israel, Japan and U.S for necessary adoption/diffusion at all manufacturing scale including start ups.
 - Use of AI/Blockchain at various levels of technology translation and pilot stage.
 - Technology transfer and diffusion Centre be created in technology Institutes to support technology transfer to start ups.
 - Usage of block chain technology for enhancing the reach of medical healthcare and making it all inclusive.
 - Government should initiate programme in technology overall to deliver greater value that increase productivity.
 - Adoption of Circular Economy Strategy.
 - National Manufacturing Strategy to develop to support "Make in India". Funds to be provided to states for assisting them to develop and execute manufacturing program. More manufacturing industries to be created, manufacturing innovation to launch focus on technology, including additive manufacturing, digital manufacturing, design innovation, lightweight composites (PV cells, storage batteries, integrated photonics, revolutionary fibres and textiles, robotics and biopharmaceutical manufacturing.
- ②

Dr. Pradyot

- Government should ban the import of second-hand machine and manufacturing tools.
- Reshoring incentive fund to provide financial support to Companies is critical, for relocating production from China to India (life sciences/Health/IT/Machinery/Electronics)
- Exemption of New Business younger than 2 years old from regulation
- Simplified credit for R&D startups and companies, including amortization of patents and IP.
- Create Global Knowledge Investment Zones to attract FDI in and around Research/Academic Institutes of importance (Varanasi, Nasik, Guwahati, Mysore, Indore)
- Development of Policy and incentivization for indigenous production and supporting export of electronic chips, devices, sensors and hardware.
- Lab-Embedded Entrepreneurship Programme (LEEP) to provide entrepreneurship access to the advanced technology equipment and know-how that the labs possess for eco development in job creation
- Workforce training and Capacity building programs and mandatory skilling exercise for all graduates.
- Creation of Rural Innovation Institutes to support activities related to aquaculture, agriculture, wind energy and food processing etc
- 2 • India should make policies around collection of big data (anonymized) coming in from the usage of varying consumer electronics and industrial electronic products.
- Generation and management of e- health data of Indian population.
- 6 • Develop and adopt standards and architecture for ICT devices and protocols
- Setting of India Data Center, Indian Cloud and Data Regulatory Authority at various levels

c) If not, the reason therefor?
N.A.

With regards.

Yours sincerely,

(Sangeeta Baksi)
Scientist F & In-charge (RC)

Dr. Pradyot Koley
Scientist 'D (Deputy Secretary)
Climate Change & Clean Energy (C³E), Division
New Block I, Room No. 213
Department of Science & Technology
Technology Bhavan, New Delhi-110016



Uma Daral <umadaral@gmail.com>

Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Thu, Dec 7, 2023 at 4:11 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>

Cc: uma daral <umadaral@gmail.com>

Pl check the revised inputs.

Placed for approval please

Regards

Sangeeta

On Wed, 6 Dec, 2023, 16:12 Dr Pradeep Srivastava IIT BHU, <drpradeep19@gmail.com> wrote:

Change the reply it's not ok

You have say about the strategy as identified in our AAN documents

PS

On Wed, Dec 6, 2023, 13:46 Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:

Dear Sir

Inputs for the subject RS Question is enclosed for your perusal and approval please. This has to go to DST today itself.

Regards

Sangeeta

मुकेश माथुर / Mukesh Mathur

वैज्ञानिक - एफ एवं प्रभारी (प्रशासन) / Scientist-F and In-charge (Administration)

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् / Technology Information, Forecasting and Assessment Council (TIFAC)

विज्ञान एवं प्रौद्योगिकी विभाग (भारत सरकार) / Department of Science & Technology (Govt. of India)

5 वीं मंजिल, ए. आई. ब्लॉक / Fifth Floor, AI Block

टेक्नोलॉजी भवन, नया महरौली रोड / Technology Bhawan, New Mehrauli Road

नयी दिल्ली / New Delhi - 110016

From: "Pradeep Srivastava" <ed@tifac.org.in>**To:** "Incharge Admin and Estt" <registrar.tifac@nic.in>, "Nirmala" <nkaushik@nic.in>**Sent:** Wednesday, December 6, 2023 11:27:59 AM**Subject:** Fwd: Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

From: "Dr Pradyot Koley" <p.koley@gov.in>**To:** "Pradeep Srivastava" <ed@tifac.org.in>**Cc:** "Dr. Anita Gupta" <anigupta@nic.in>, "vineet.saini" <vineet.saini@nic.in>, "Swati Jain" <swati.jain02@gov.in>**Sent:** Tuesday, December 5, 2023 11:40:16 AM**Subject:** Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Dear Sir,

Please refer to the trailing e-mail, Department of Science and Technology (DST), Ministry of Science and Technology has received the following provisionally admitted question for

the Rajya Sabha.

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- S3322

The Question Will be put down for -- 14/12/2023

Answer on the Ministry Department -- Science and Technology(S&T)

R&D Strategy for the Emerging Technologies

(a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and (b) If yes, the details thereof; (c) If not, the reasons therefor?

It is requested that pertinent information available with your Ministry/Department/Organization may please be sent to the undersigned at the earliest, and preferably by 06/12/2023.

Hope this receives your expeditious, kind consideration.

Best regards,
Pradyot

--

Dr. Pradyot Koley / डॉ प्रद्योत कोले

Scientist 'D' (Deputy Secretary) / वैज्ञानिक 'डी' (उप सचिव)

Climate Change & Clean Energy (C³E) Division/ जलवायु परिवर्तन और स्वच्छ ऊर्जा (C³E) प्रभाग

New Block I, Room no. 213 / नया ब्लॉक -I, कमरा नंबर - 213

Department of Science and Technology (DST)/ विज्ञान एवं प्रौद्योगिकी विभाग (डी एस टी)

Ministry of Science and Technology, Govt. of India/ विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार

Technology Bhavan, New Mehrauli Road/ प्रौद्योगिकी भवन, नई महरौली सड़क

New Delhi-110016/ नई दिल्ली- 110016

Ph: 011-29512324 (Extn. 12006)/दूरभाष - 011-29512324 (Extn. 12006)

From: rsqns@sansad.nic.in

To: parldst@nic.in

Sent: Monday, December 4, 2023 12:20:50 PM

Subject: R&D Strategy for the Emerging Technologies

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- S3322

The Question Will be put down for -- 14/12/2023

Answer on the Ministry Department -- Science and Technology(S&T)

R&D Strategy for the Emerging Technologies

(a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a

targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and (b) If yes, the details thereof; (c) If not, the reasons therefor?

--

Prof Pradeep Srivastava, Phd, FIE

Executive Director,

Technology Information Forecasting and Assessment Council,

AI Building, V th Floor,

Technology Bhawan,

New Mehrauli Road, New Delhi - 110016

011-26511227,26511245(D)

Technology Information, Forecasting & Assessment Council (TIFAC)

(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

08.12.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S3322 due for reply on 14/12/2023 reg. "R &D Strategy for the Emerging Technologies"

Dear Dr. Pradyot,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are as follows:

- a) Given the low levels of expenditure on R&D in India, whether the Government is planning to develop a targeted R&D strategy for the emerging technologies that hold promise beyond 2030, for the progressive revision and timely achievement of Nationally Determined Contributions (NDCs); and
- b) If yes, the details thereof:
 - NITI Aayog has conducted a Techno-economic Feasibility of Hyperloop, an emerging sustainable transportation option, and TIFAC contributed the section on Economic Feasibility of Hyperloop for this report.
 - National Manufacturing Strategy to develop to support "Make in India". Development of R&D Centre to develop and execute manufacturing program. Manufacturing innovation to launch focus on technology, including additive manufacturing, digital manufacturing, design innovation, lightweight composites: PV cells, storage batteries, integrated photonics, revolutionary fibres and textiles, robotics and biopharmaceutical manufacturing:
 - Using AI to reshape product development cycles, improve product design processes, reduce defects and deliver products faster to the market.
 - Develop and adopt standards and architecture for ICT devices and protocols
- c) If not, the reason therefor?
N.A.

With regards,

Yours sincerely,

Sd/
(Sangeeta Baksi)
Scientist F & In-charge (RC)

Dr. Pradyot Koley
Scientist 'D (Deputy Secretary)
Climate Change & Clean Energy (C³E), Division
New Block I, Room No. 213
Department of Science & Technology
Technology Bhavan, New Delhi-110016

OK



Uma Daral <umadaral@gmail.com>

Urgent PQ Diary No. S3322: R&D Strategy for the Emerging Technologies

Uma Daral <umadaral@gmail.com>

Fri, Dec 8, 2023 at 4:03 PM

To: Dr Pradyot Koley <p.koley@gov.in>

Cc: Pradeep Srivastava <ed@tifac.org.in>, Incharge Admin and Estt <registrar.tifac@nic.in>, sangeeta Baksi <sangeetabaksi@gmail.com>

Bcc: Uma Daral <umadaral@gmail.com>

Dear Sir,

This is with reference to the email regarding Provisionally admitted question for the Rajya Sabha starred/ Unstarred Dairy No.-S3322, I am directed to send the inputs duly approved by the Competent Authority.

Regards,

Uma Daral
Assistant Grade-II
TIFAC



RS Question No. S3322 reg. R&D strategy for the Emerging Technologies-14.12.2023.docx

20K



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Sangeeta Baksi <sangeetabaksi@gmail.com>

Mon, Jul 31, 2023 at 1:10 PM

To: dmandal.88@gov.in

Cc: "registrar.tifac.tifac" <registrar@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, uma daral <umadaral@gmail.com>

Dear Dr Mandal

PFA the inputs for the subject matter. Thsi is being sent with the approval of competent authority.

[Quoted text hidden]

[Quoted text hidden]

3 attachments

 **DFG Format.docx**
16K

 **inputs for Parliament Standing Committee Consideration of DFG (April-June 2023).docx**
29K

 **inputs for Parliament Standing Committee Consideration of DFG (.pdf)**
1465K

Technology Information, Forecasting & Assessment Council (TIFAC)

(Department of Science & Technology)

Vishwakarma Bhawan, Shaheed Jeet Singh Marg

New Delhi -110016

F. No. TIFAC/MC/Parliament/2023

31.07.2023

Dear Dr. Mandal,

Subject: Parliament Standing Committee Consideration of DFG

The Inputs from TIFAC in respect of the above Subject are as follows:


Sl. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024 (April – June, 2023)
1.	Technology Information Forecasting and Assessment Council (TIFAC), Delhi.	Technology Forecasting, Technology Assessment, and preparation of Technology Market Survey Reports, Vision document, Promotion of key technologies of relevance to India.	<ul style="list-style-type: none"> • To obtain the estimates of the nature and quantum of the likely demands of goods and services in various sectors of the economy against 10 and 25 years' time-frames on the basis of a) 'normative', and (b) 'exploratory' approaches • To suggest the direction and extent of technological changes that might be considered necessary in order to fulfill these demands in the light of the existing or anticipated resource base of the country. • To prepare Technology Impact Statements, with a view to uncovering the likely implications and 	<ul style="list-style-type: none"> • TIFAC would organize a series of thematic workshops on Six securities identified viz. i. Food Security, ii. Health Security, iii. Energy Security, iv. Strategic Security v. Environmental Security vi. Cyber security involving respective stakeholders. • Preparation of TV 2047 Technology Roadmap for Defence sector • Preparation of TV 2047 roadmap for Environmental security • To build plausible scenarios for TV 2047 by conducting scenario building exercise involving at least 50 experts from diverse backgrounds (Social Scientist, Economists, Industry representatives, Academics, Researchers etc.). • Implement Technology Needs Assessment (TNA) for Climate Change project as per the objectives set • Facilitation of patent filing and grant under DST's Patent Facilitation 	<ul style="list-style-type: none"> • The following Brainstorming workshops were organized: <ul style="list-style-type: none"> ➤ TV 2047 Regional Brainstorming workshop at Tata Institute of Fundamental Research (TIFR), Mumbai on April 17th, 2023 ➤ TV 2047 Regional Brainstorming workshop at Indian Institute of Science (IISc.), Bengaluru on April 27-28, 2023 ➤ TV 2047 Regional Brainstorming workshop at IIT-Hyderabad (IIT-H), Hyderabad on May 01-02, 2023 ➤ Brainstorming workshop for TV 2047 and Climate Change at IIT- Kharagpur (IIT-Kgp), Kharagpur on June 01-02, 2023 • TIFAC Scientist attended the G20 International Seminar on "Accelerating Energy Efficiency Progress and Promoting LIFE" at Mumbai on 17th May, 2023. • TIFAC Scientist attended following workshops <ul style="list-style-type: none"> ○ National Workshop on the Planning of 6GHz band in India on 7th June, 2023 organized by ITU-APT Foundation of India at New Delhi.

Sl. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024 (April – June, 2023)
		<ul style="list-style-type: none"> consequences, both desirable and undesirable, of the existing as well as newly emerging technologies upon society, through generation of future oriented scenarios, their short-term and long-term implications. Based on the T.I.F. & A. Studies and with a view to of ensuring timely availability of requisite technologies relevant to the needs of the country on futuristic basis and minimizing the time gap between the development of new technologies and their utilization. To generate Technology Forecasting, Technology Assessment, and Technology Market Survey Reports, providing technology related information. Promote key technology relevant to Indian context and evolving suitable mechanism for Demonstrate technology towards commercialization as 	<ul style="list-style-type: none"> Program PFP. About 60 to 100 new patent application to be filed and securing grant of about 30 patents. Two advanced training programs on IPR and Technology about 2 week each, for Patent Information Centres at State. Awareness workshops 4 to 5 for North Eastern States as per mandate of PFP. Commencement and completion of 13th Batch of WISE KIRAN for one year training on IPR to Women Scientists (about 100). Evolve Technology Exchange platform a vibrant portal for facilitation of IP/Patent Licencing and Technology Transfer As a revenue generation effort will conduct two courses on IP and Technology Transfer one certificate course of six month and second one-year PG Diploma with Universities to begin with one in south and one in north India. IP and Technology Transfer Services to technical institutions in revenue generation mode. Study on Climate Change Mitigation and Regional Bio-Diversity Strategy under fairSTREAM initiatives of IIASA. A few training Workshops with IIASA on fiscal risk from disaster risk and MESSAGEix. TIFAC plans to work out details of an Innovation Cluster on Power Electronics, Machines and Drives for 	<ul style="list-style-type: none"> National DeFTech Summit on 9th June, 23 organized by Tech Observer at New Delhi. <ul style="list-style-type: none"> Interacted with UNDP Secretariats on Philosophy of Foresight and Vision at UNDP Office, New Delhi on 16th June, 2023. 14 New Patent Applications; 13 Indian in the final stage of filing and one PCT Application Filed; 8 Patent in India Granted. 2 IPR Awareness Workshops one each at Kohima and Itanagar Organised. 13th batch advertised; a total of 2741 applications received. Induction of the batch is in process. TIFAC Tech Ex Platform in public domain. Hosted 25 patents for licensing. Contours of One Year Diploma Course finalized to start the same in next quarter with intake of more than 50 students at IIMT, Meerut Patent filing work started with NIT Durgapur after receiving the fee of 10 lakhs. IIASA and NITI-Aayog along with TIFAC have partnered to develop MESSAGEix modelling framework for NITI Aayog for national energy system and energy policies A draft whitepaper on Power Electronics, Machines and Drives was prepared by TIFAC and expert/stakeholder inputs were obtained. TIFAC submitted data sheets on estimated representative real-life fuel economy of various categories of road vehicles for LCA tools along with impacts of vehicle age to the International Transport Forum at OECD. These recommended values were based on analysis of data available from various sources and also expert consultations. 	

Sl. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024 (April – June, 2023)
		<ul style="list-style-type: none"> well as facilitating patent information services. TIFAC continues to strive for technology development of the country by leveraging technology innovation through sustained and concerted programmes in close association with academia and industry. Establishing a purposeful linkage between technology development and technology import policies, to identify priority areas of research in relation to the socio-economic, environmental and security needs of the country. To evolve and suggest strategies for technological developments based on such priorities; and to draw up programmes of purposeful research in various sectors. In order to fulfill the above objectives, to devise and set up suitable Information Collection, Analysis and Programming groups. 	<ul style="list-style-type: none"> Electric Vehicles based on the whitepaper prepared on this topic, in consultation with relevant stakeholders and ministries. Building upon the model developed for analysing penetration of electric two-wheelers along with projection for battery requirement and charging infrastructure, TIFAC plans to develop such model for all categories of electric vehicles and include projection of emission benefits and materials requirement Study on comparative assessment of various technology options for utilization of solar photovoltaic energy in electric mobility, including grid-connected, stand-alone and Vehicle Integrated Photovoltaic systems as well as other ideas such as solar roads. TIFAC has made preliminary study on Electric Road Systems including Dynamic Wireless Power Transfer (DWPT) and will consult relevant stakeholders and ministries to explore possibility of nucleating technology programmes on this Techno-economic assessment of Technology Readiness Levels (TRL) of technologies developed by labs, academia, startups in the domains of chemicals, pharmaceuticals, health care under the sponsorship of DSIR to prepare a compendium. To provide handholding support to researchers / innovators from lab/academia to prepare business 	<ul style="list-style-type: none"> TRL assessment of 100 technologies carried out and first draft of the compendium prepared. 02 technologies from NIPER, Guwahati were assessed, recommended and agreement signed for providing handholding support. 02 ongoing projects sanctioned for providing handholding support were reviewed at IIT Kharagpur. 01 technology for manufacturing of low voltage and high precision micro electronic connectors and terminals developed by a startup has been successfully scaled up under TIFAC-SIDBI Srijan Programme. 01 new project titled "Edible cutlery items like spoon & fork, coffee stirrer etc." from a startup in Bengaluru was sanctioned for implementation under Srijan Programme. Two MSME clusters namely cricket bat cluster, Bijbihara and willow wicker-based handicrafts cluster, Ganderbal have been taken up in the Jammu and Kashmir for technology mapping and intervention. On the occasion of World MSME Day, TIFAC organized a Roundtable Session on "Strategies for Decarbonization of MSMEs and Developing Ecosystem for their Adoption" in the event 'Parivartan: Transforming Green Growth' organized by the Institute of Sustainable Community (ISC) on June 27, 2023, New Delhi. Following issues were addressed during the discussions: <ul style="list-style-type: none"> Supply Chain Technologies in MSMEs and its challenges Policies & Strategies for achieving Net Zero for MSMEs Green financing 	

Sl. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024 (April – June, 2023)
				<p>plans, facilitate field trials, estimate market potential, to obtain regulatory approvals etc. under ATMA programme</p> <ul style="list-style-type: none"> Assessment of new technologies from startups/MSMEs and technical recommendations to SIDBI for financial appraisal and review & monitoring of ongoing projects 	<ul style="list-style-type: none"> sharing case studies for decarbonizing MSMEs Carbon pricing for MSMEs etc.

With regards,

Yours sincerely,

(Sangeta Baksi)
 Scientist F & In-charge (RC)

Dr. Dhruvajyoti Mandral
 Scientist-C-AI Cell
 Department of Science & Technology (DST)
 Ministry of Science and Technology, Gol
 New Delhi – 110016



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Mon, Jul 31, 2023 at 1:02 PM

----- Forwarded message -----

From: **Pradeep Srivastava** <ed@tifac.org.in>
Date: Mon, Jul 31, 2023 at 1:00 PM
Subject: Re: DFG report for first quarter of FY 2023-24
To: <sangeetabaksi@gmail.com>

Approved
PS

From: sangeetabaksi@gmail.com
To: "Pradeep Srivastava" <ed@tifac.org.in>, drpradeep19@gmail.com
Cc: umadaral@gmail.com
Sent: Friday, July 28, 2023 4:28:18 PM

[Quoted text hidden]

[Quoted text hidden]

--

Prof Pradeep Srivastava, Phd, FIE
Executive Director,
Technology Information Forecasting and Assessment Council,
AI Building, V th Floor,
Technology Bhawan,
New Mehrauli Road, New Delhi - 110016
011-26511227,26511245(D)
[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jul 28, 2023 at 4:28 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, drpradeep19 <drpradeep19@gmail.com>

Cc: uma daral <umadaral@gmail.com>

Dear Sir


PFA the inputs for the subject DFG containing goals and achievements of TIFAC.

Placed for your perusal and approval please

[Quoted text hidden]

[Quoted text hidden]

2 attachments

 **DFG Format.docx**
16K

 **inputs for Parliament Standing Committee Consideration of DFG (April-June 2023).docx**
29K



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Fri, Jul 28, 2023 at 4:17 PM

----- Forwarded message -----

From: **Mukesh Mathur TIFAC** <mukesh.tifac@gmail.com>
Date: Fri, Jul 28, 2023 at 4:15 PM
Subject: Re: DFG report for first quarter of FY 2023-24
To: Sangeeta Baksi <sangeetabaksi@gmail.com>

MSME revised inputs attached.

On Fri, Jul 28, 2023 at 2:06 PM Mukesh Mathur TIFAC <mukesh.tifac@gmail.com> wrote:
MSME division inputs attached.

On Tue, Jul 25, 2023 at 12:33 PM Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:
[Quoted text hidden]
[Quoted text hidden]



MSME Inputs on Parliamentary Standing Committee DFG April-June 2023.docx
15K

Subject: Inputs for Parliament Standing Committee Consideration of DFG

MSME programme Achievements during the April 2023 – June 2023

1. Two MSME clusters namely cricket bat cluster, Bijbihara and willow wicker-based handicrafts cluster, Ganderbal have been taken up in the Jammu and Kashmir for technology mapping and intervention.
2. On the occasion of World MSME Day, TIFAC organized a Roundtable Session on “Strategies for Decarbonization of MSMEs and Developing Ecosystem for their Adoption” in the event ‘Parivartan: Transforming Green Growth’ (a Climate-tech Summit for accelerating supply-chain sustainability) being organized by the Institute of Sustainable Community (ISC) on June 27, 2023, at India Habitat Centre (IHC), New Delhi. The Roundtable Discussion was attended by experts and office bearers from all key stakeholders, viz., Start-ups, MSMEs, Policy Makers, Venture Capitalist (VC), incubators, Academic institutes and corporates. Following issues were addressed during the discussions:
 - Supply Chain Technologies in MSMEs and its challenges
 - Policies & Strategies for achieving Net Zero for MSMEs
 - Green financing
 - sharing case studies for decarbonizing MSMEs
 - Carbon pricing for MSMEs etc.



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

pulak basak <basakpr@yahoo.com>

Fri, Jul 28, 2023 at 1:45 PM

Reply-To: pulak basak <basakpr@yahoo.com>

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: "T. Selvan" <selvanms@gmail.com>, Brajeshwar Chandelia <brajeshwar@gmail.com>, Uma Daral <umadaral@gmail.com>

Please ignore the earlier email regarding inputs for DFG report for the first quarter of the FY 2023-24.

The revised inputs for DFG report for the first quarter of the FY 2023-24 are as follows:

Sl.No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024
	TIFAC		<p>Technology Assessment</p> <p>Assessment of Technology Maturity for AatmaNirbharta (ATMA)</p> <p>Technology assessment and recommendations for providing support under TIFAC-SIDBI Srijan Programme for scaling up of innovations</p>	<p>Techno-economic assessment of Technology Readiness Levels (TRL) of technologies developed by labs, academia, startups in the domains of chemicals, pharmaceuticals, health care under the sponsorship of DSIR to prepare a compendium.</p> <p>To provide handholding support to researchers / innovators from lab/academia to prepare business plans, facilitate field trials, estimate market potential, to obtain regulatory approvals etc. under ATMA programme.</p> <p>Assessment of new technologies from startups/MSMEs and technical recommendations to SIDBI for financial appraisal and review & monitoring of ongoing projects</p>	<p>TRL assessment of 100 technologies carried out and first draft of the compendium prepared.</p> <p>02 technologies from NIPER, Guwahati were assessed, recommended and agreement signed for providing handholding support.</p> <p>02 ongoing projects sanctioned for providing handholding support were reviewed at IIT Kharagpur.</p> <p>01 technology for manufacturing of low voltage and high precision micro electronic connectors and terminals developed by a start-up has been successfully scaled up under TIFAC-SIDBI Srijan Programme. This technology would reduce import dependency from countries like Taiwan and China.</p> <p>01 new project titled "Edible cutlery items like spoon & fork, coffee stirrer etc." from a startup in Bengaluru was sanctioned for implementation under Srijan Programme.</p>

[Quoted text hidden]



Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Yashawant Dev Panwar <yashawantdev@gmail.com>

Thu, Jul 27, 2023 at 11:49 AM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: uma daral <umadaral@gmail.com>, Sangeeta Nagar <sangeetanagar2005@gmail.com>, Dipti Sachdeva <diptiipr@gmail.com>

Dear Ms Sangeeta,

Please find enclosed inputs for DFG report for first quarter of FY 2023-24 of IPR Div.

--
डॉ. यशवंत देव पंवार/Dr. Yashawant Dev Panwar
वैज्ञानिक - ऍफ़ एवं प्रमुख आईपीआर विभाग/Scientist F and Head IPR Division
प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) / Technology Information, Forecasting & Assessment
Council (TIFAC)
(विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)/(Department of Science & Technology, Govt. of India)
अ खंड, विश्वकर्मा भवन/ A Wing, Vishwakarma Bhawan,
शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg
नई दिल्ली- 110016 / New Delhi- 110016
फ़ोन /Phone 011- 42525806
Email: yashawant@tifac.org.in

[Quoted text hidden]

 **DFG Format IPR Div First quarter 2023-24.docx**
24K

Sl.No	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the 1 st quarter for FY 2023-2024
				<ul style="list-style-type: none"> • Facilitation of patent filing and grant under DST's Patent Facilitation Program PFP. About 60 to 100 new patent application to be filed and securing grant of about 30 patents. • Two advanced training programs on IPR and Technology about 2 week each, for Patent Information Centres at State. Awareness workshops 4 to 5 for North Eastern States as per mandate of PFP. • Commencement and completion of 13th Batch of WISE KIRAN for one year training on IPR to Women Scientists (about 100). • Evolve Technology Exchange platform a vibrant portal for facilitation of IP/Patent Licencing and Technology Transfer • As a revenue generation effort will conduct two courses on IP and Technology Transfer one certificate course of six month and second one-year PG Diploma with Universities to begin with one in south and one in north India. • IP and Technology Transfer Services to technical institutions in revenue generation mode. 	<ul style="list-style-type: none"> • 14 New Patent Applications; 13 Indian in the final stage of filing and one PCT Application Filed. 8 Patent in India Granted. • 2 IPR Awareness Workshops one each at Kohima and Itanagar Organised. • 13th batch advertised a total of 2741 applications received. Induction of the batch is in process. • TIFAC Tech Ex Platform in public domain. Hosted 25 patents for licensing. • Contours of One Year Diploma Course finalized to start the same in next quarter with intake of more than 50 students at IIIMT, Meerut • Patent filing work started with NIT Durgapur after receiving the fee of 10 lakhs.

Monthly summery report of IPR Division for June 2023

1. Following patents have been granted as per details given in table below:

S. No.	Patent No.	Grant Date	Applicant	Title
1.	434782	15-06-2023	Panjab University, Chandigarh	Lipoidal delivery system for delivery
2.	434650	14-06-2023	1.Panjab University 2. Council of Scientific and Industrial Research 3. Institute of Nano Science and Technology	A synthetic peptide antigen, process For the detection of salmonellosis and optical reader for detection thereof

2. Following two patents were granted in the Month of May 2023 which could not be reported as information received after submission of Monthly report.

S. No.	Patent No.	Grant Date	Applicant	Title
1.	433475	31-05-2023	Botanical Survey of India	Reusable straw and its
2.	432830	25-05-2023	Kerala Agricultural University	Vanilla composition and the process for its

3. The eleventh meeting of Committee on IP Filing held on June 9, 2023. 25 new cases for filing patent applications in India and one PCT applications were evaluated for patentability and presented before Committee on IP Filing and 13 cases were recommended for filing of Indian patent and one for PCT application, all are in the process of filing through Attorneys.
4. Prosecution with regard to five patents done during the month, including one hearing at Patent Office.

5. A total of 2741 applications received in response to advertisement of next batch of WISE Internship in IPR. Screening and further process is in progress.

Monthly summery report of IPR Division for May 2023

6. Following two patents were granted in the Month of April 2023 which could not be reported as information received after submission of Monthly report.

S. No.	Patent No.	Grant Date	Applicant	Title
1.	429474	20-04-2023	Punjab University, Ludhiana	A fungal consortium for degradation of lignin and or silica, process therefor and application thereof
2.	430194	27-04-2023	National Institute of Food Technology and Entrepreneurship and Management (NIFTEM)	Preparation of cookies from pomegranate peel, bengal gram husk and moong dal

7. Prosecution with regard to six patents done during the month, including two hearings at Patent Office.

8. WISE Internship in IPR next batch (13th batch of KIRAN IPR) announced and advertisement published on all India newspaper May 31, 2023 being the last date.

9. Workshop on IPR was organised at Dera Natung College, Itanagar Arunachal Pradesh on May 4, 2023 in association with Patent Information Centre, Patent Information Centre PIC at Arunachal Pradesh State Council of Science and Technology, Itanagar.

10. Technology Information, Forecasting and Assessment Council (TIFAC) and Sharda university have signed a Memorandum of Understanding (MoU) on 24 May, 2023 for jointly conducting training programs, workshops and courses.

Monthly summery report of IPR Division for April 2023

11. Following Indian patent have been granted during this month of April 2023

S. No.	Patent No.	Grant Date	Applicant	Title
1.	428989	13-04-2023	Indian Institute of Technology Kharagpur	A low-cost biometric authentication system for online certification course

12. Following patent was granted in the Month of March 2023 which could not be reported as information received after submission of Monthly report.

S. No.	Patent No.	Grant Date	Applicant	Title
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No	No.			
1.	427172	28-03-2023	University of Allahabad, Prayagraj	Artificially coloured diamonds and process for artificially inducing colour in diamonds thereof

13. Prosecution with regard to seven patents done during the month, including devising the strategy to contest the controller's decision in one case.
14. Preparation of WISE Internship in IPR first batch (13th batch of KIRAN IPR) started with steering committee meeting finalising subject-wise seats and processed the duly approved advertisement of announcement in PAN India newspapers.
15. Workshop on IPR at Convention Centre Kohima, Nagaland to be organised on April 24, 2023 in association with Patent Information Centre, Nagaland State Council of Science and Technology.





Uma Daral <umadaral@gmail.com>

Fwd: DFG report for first quarter of FY 2023-24

Sangeeta Baksi <sangeetabaksi@gmail.com>

Tue, Jul 25, 2023 at 12:34 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Arghya Sardar <arghyas@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Yashawant Dev Panwar <yashawantdev@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, "nirmala.kaushik" <nirmala.kaushik@gmail.com>, Nirmala <nkaushik@nic.in>, uma daral <umadaral@gmail.com>

Dear All

Pl provide inputs for the DFG report for Quarter (April-June 2023) in the format as enclosed by July 27, 2023)

Regards

Sangeeta

From: "DHRUBAJYOTI MANDAL" <dmandal.88@gov.in>
To: "iscacal 2004" <iscacal_2004@yahoo.com>, "Registrar ARIES" <registrar@aries.res.in>, "Administration, ARCI" <admn@arci.res.in>, "In-charge (Fin. & Admn.)" <registrar@tifac.org.in>, "IIG REGISTRAR" <iig.registrar@iigm.res.in>, "Dr Brajesh Pandey" <esoffice@insa.nic.in>, "Anil Kumar Rattan" <secoffice@serb.gov.in>, admin@jncasr.ac.in, admin@cens.res.in, ao@jncasr.ac.in, ao1@sctimst.ac.in, censoffice@cens.res.in, cfao@inst.ac.in, cio@nifindia.org, directorsecretary@iiap.res.in, ea-director@rri.res.in, execsec@ias.ac.in, fo@inst.ac.in, inaehq@inae.in, "aes nasi" <aes.nasi@gmail.com>, "aesacc nasi" <aesacc.nasi@gmail.com>, nectar@nectar.org.in, office@ias.ac.in, "registrar office" <registrar_office@jcbose.ac.in>, pkdhakephalkar@aripune.org, registrar@bsip.res.in, registrar@bose.res.in, registrar@iacs.res.in, "Registrar IASST" <registrar@iasst.gov.in>, registrar@vigyanprasar.gov.in, registrar@wihg.res.in, vipin@nifindia.org
Sent: Tuesday, July 25, 2023 10:07:15 AM
Subject: Fwd: DFG report for first quarter of FY 2023-24

From: "DHRUBAJYOTI MANDAL" <dmandal.88@gov.in>
To: "Director ARCI" <director@arci.res.in>, "IIG DIRECTOR" <iig.director@iigm.res.in>, "Director IASST" <dir.iasst@nic.in>, "Atul Kumar" <es.sciencecongress@nic.in>, "Director Serb" <director@serb.gov.in>, "Pradeep Srivastava" <ed@tifac.org.in>, "balrambhargava" <balrambhargava@gmail.com>, "director" <director@sctimst.ac.in>, "director" <director@jcbose.ac.in>, "director" <director@aripune.org>, "director" <director@bsip.res.in>, "director" <director@bose.res.in>, "director" <director@vigyanprasar.gov.in>, "director" <director@cens.res.in>, "director" <director@iacs.res.in>, "director" <director@wihg.res.in>, "director" <director@inst.ac.in>, "director" <director@rri.res.in>, director@nifindia.org, directoraries@aries.res.in, "diriia" <diriia@iiap.res.in>, "info" <info@nifindia.org>, "insa, president" <president.insa@gmail.com>, "nasi allahabad1" <nasi.allahabad1@gmail.com>, "nectar, dg" <dg.nectar@nectar.org.in>, "president" <president@ias.ac.in>, "president" <president@jncasr.ac.in>, "inaehq" <inaehq@inae.in>
Cc: "Dr Usha Dixit" <usha.dixit@nic.in>
Sent: Tuesday, July 25, 2023 10:06:35 AM
Subject: DFG report for first quarter of FY 2023-24

Sir/Madam,

I request you to kindly submit the DFG report of your institute for the First Quarter (i.e. from 01.04.2023 to 30.06.2023) of the FY 2023-24 as per the enclosed format by 30.07.2023.

--

With Regards

डॉ. ध्रुवज्योति मंडल / Dr. Dhruvajyoti Mandal

वैज्ञानिक-सी / Scientist-C

स्वायत्त संस्थान प्रभाग / Autonomous Institute Division

(कमरा नंबर 232, नई बिल्डिंग) / (Room No.232, New Building)

विज्ञान एवं प्रौद्योगिकी विभाग / Department of Science & Technology

विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology, Govt. of India

प्रौद्योगिकी भवन, नई दिल्ली-110016 / Technology Bhavan, New Delhi-110016

ईमेल: dmandal.88@gov.in / Email: dmandal.88@gov.in

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With Regards

डॉ. ध्रुवज्योति मंडल / Dr. Dhruvajyoti Mandal

वैज्ञानिक-सी / Scientist-C

स्वायत्त संस्थान प्रभाग / Autonomous Institute Division

(कमरा नंबर 232, नई बिल्डिंग) / (Room No.232, New Building)

विज्ञान एवं प्रौद्योगिकी विभाग / Department of Science & Technology

विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology, Govt. of India

प्रौद्योगिकी भवन, नई दिल्ली-110016 / Technology Bhavan, New Delhi-110016

ईमेल: dmandal.88@gov.in / Email: dmandal.88@gov.in

--

संगीता बक्सी/Sangeeta Baksi

वैज्ञानिक /Scientist

प्रमुख रिसोर्स विभाग /Head-Resource Cell

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) /

Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग , भारत सरकार)/(Department of Science & Technology, Govt. of India)

विश्वकर्मा भवन/ Vishwakarma Bhawan,

शाहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525777



DFG Format.docx

16K



Uma Daral <umadaral@gmail.com>

Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jul 28, 2023 at 4:11 PM

To: roshan.1210@gov.in

Cc: "registrar.tifac.tifac" <registrar@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, uma daral <umadaral@gmail.com>


Dear Shri Kumar


PFA the subject RS question or your perusal. This is being sent with the approval of competent authority.

Regards

[Quoted text hidden]

2 attachments

 RSPQ-S3446- Input request - Prevention of Sexual Harassment of Women at workplace.pdf
41K

 RS Q No. S3446 reg. Prevention of Sexual Harassment of Women at.pdf
250K

Technology Information, Forecasting & Assessment Council (TIFAC)
(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

27.07.2023

Subject: Rajya Sabha Provisionally admitted Parliament Question Diary no.- S3446 due for reply on 03/08/2023 reg. "Prevention of Sexual Harassment of Women at workplace"

Dear Shri Kumar,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are as follows:

- a) Whether it is a fact that under POSH Act , Ministries are mandated to have an internal Committee for investigation into such cases

Yes. As per THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013, it is mandatory for workplaces to have an Internal Complaints Committee in place.

- b) If So, whether all 3 Departments have functional Internal Complaints Committee

TIFAC, an autonomous institution of DST has a functional Internal Complaints Committee since 2014.

- c) Whether Ministry has conducted any exercise to ensure compliance of this requirement by subordinate organisations concerned

N.A

- d) If so, the details thereof along with organisation yet to setup Internal Complaints Committee for Investigation into Sexual harassment cases of women at work place

N.A

- e) If not, the reasons therefore

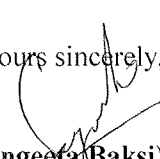
N.A.

- f) Complaints Committee last three years along with cases where action was taken on such complaints

The current Internal Complaints Committee is functional since last three years (August 2020 onwards) and no complaints have been received.

With regards.

Yours sincerely,


(Sangeeta Baksi)
Scientist F & In-charge (RC)

Shri Roshan Kumar
Assistant Section Officer
AI Division, Department of Science & Technology
Technology Bhavan, New Delhi-110016



Uma Daral <umadaral@gmail.com>

Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jul 28, 2023 at 3:27 PM

To: drpradeep19 <drpradeep19@gmail.com>, Dr Pradeep Srivastava <ed@tifac.org.in>

Cc: uma daral <umadaral@gmail.com>

Dear Sir

PFA the inputs for above RS question.
Placed for your perusal and approval please,

Regards

Sangeeta

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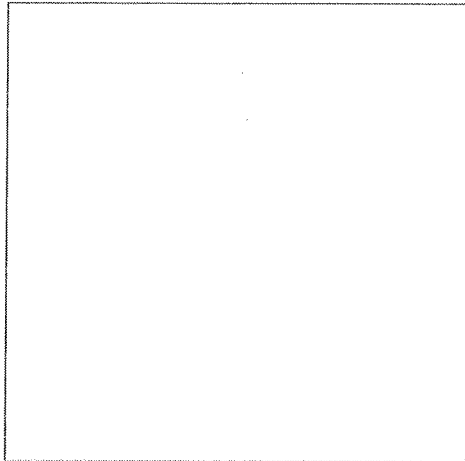
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वैश्वेय कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

--
Prof Pradeep Srivastava, Phd, FIE

Executive Director,
Technology Information Forecasting and Assessment Council,
AI Building, V th Floor,
Technology Bhawan,
New Mehrauli Road, New Delhi - 110016
011-26511227,26511245(D)
[Quoted text hidden]

2 attachments

 **RSPQ-S3446- Input request - Prevention of Sexual Harassment of Women at workplace.pdf**
41K

 **RS Q No. S3446 reg. Prevention of Sexual Harassment of Women at workplace-27.07.2023.docx**
17K





Uma Daral <umadaral@gmail.com>

Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Jancy Ayyaswamy <jancy.selvan@gmail.com>

Fri, Jul 28, 2023 at 2:48 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>, umadaral@gmail.com

Dear Ms.Sangeeta

PFA reg. Reply for RS provisionally admitted Parliament Qn.

Regards

Jancy

[Quoted text hidden]

--

Jancy Ayyaswamy

Scientist-F

TIFAC

5th Floor, A.I Block, Technology Bhavan

New Mehrauli Road, New Delhi 110016

New Delhi-110016

Phone: 011-26592710/42525710

tweets@jancyselvan

 **Inputs for Rajya Sabha Provisionally admitted Q D NO S3446.docx**
15K



TIFAC

File No: TIFAC/ICC/2023

Date: 28.07.2023

Sub: Inputs from TIFAC for Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

- a. Whether it is a fact that under POSH Act , Ministries are mandated to have an internal Committee for investigation into such cases**

Ans: Yes. As per THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013, it is mandatory for workplaces to have an Internal Complaints Committee in place.

- b. If So, whether all 3 Departments have functional Internal Complaints Committee**

Ans: TIFAC, an autonomous institution of DST has a functional Internal Complaints Committee since 2014.

- c. Whether Ministry has conducted any exercise to ensure compliance of this requirement by subordinate organisations concerned**

Ans: N.A

- d. If so, the details thereof along with organisation yet to setup Internal Complaints Committee for Investigation into Sexual harassment cases of women at work place**

Ans: N.A

- e. If not, the reasons therefore**

Ans: N.A.

- f. Complaints Committee last three years along with cases where action was taken on such complaints**

Ans. The current Internal Complaints Committee is functional since last three years (August 2020 onwards) and no complaints have been received.



Uma Daral <umadaral@gmail.com>

Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jul 28, 2023 at 1:48 PM

To: jancy selvan <jancy.selvan@gmail.com>

Cc: uma daral <umadaral@gmail.com>

Dear Jancy

May pl respond to the above RS question by today itself.

Regards

Sangeeta

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Uma Daral <umadaral@gmail.com>

Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Fri, Jul 28, 2023 at 1:45 PM

----- Forwarded message -----

From: Pradeep Srivastava <ed@tifac.org.in>

Date: Fri, 28 Jul 2023, 13:36

Subject: Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

To: sangeeta baksi <sangeetabaksi@gmail.com>, In-charge (Fin. & Admn.) <registrar.tifac@nic.in>

From: "Roshan Kumar" <roshan.1210@gov.in>**To:** director@aripune.org, directoraries@aries.res.in, director@bsip.res.in, director@jcbose.ac.in, director@cens.res.in, director@iacs.res.in, dirjia@iiap.res.in, "IIG DIRECTOR" <iig.director@iigm.res.in>, "Director ARCI" <director@arci.res.in>, director@inst.ac.in, "Director IASST" <dir.iasst@nic.in>, president@incasr.ac.in, director@rri.res.in, director@bose.res.in, director@scimst.ac.in, director@wihg.res.in, cio@nifindia.org, director@vigyanprasar.gov.in, "Pradeep Srivastava" <ed@tifac.org.in>, "Dr Akhilesh Gupta" <secretary.serb@nic.in>, "dg nectar" <dg.nectar@nectar.org.in>, "Dr Brajesh Pandey" <exe.director@insa.nic.in>, execsec@ias.ac.in, president@inae.in, "Atul Kumar" <es.sciencecongress@nic.in>, "aes nasi" <aes.nasi@gmail.com>**Cc:** "RN Upadhyay" <rnupadhyay.moca@nic.in>, "Pradeep Kumar" <ds-ainst-dst@gov.in>**Sent:** Thursday, July 27, 2023 4:37:22 PM**Subject:** Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

आदरणीय महोदया/ महोदय | Respected Madam/ Sir

Please find attached herewith DST's OM dated 26.07.2023 on the above mentioned subject for necessary action.

आगे की आवश्यक कार्रवाई के लिए उपरोक्त विषय पर डीएसटी का दिनांक 26.07.2023 का पत्र संलग्न है।

This matter be accorded top priority.

इस मामले को सर्वोच्च प्राथमिकता दी जाए।

सधन्यवाद | Kind regards,

रोशन कुमार | Roshan Kumar

सहायक अनुभाग अधिकारी | Assistant Section Officer

स्वायत्त संस्थान प्रभाग | Autonomous Institution (AI) Division,

विज्ञान एवं प्रौद्योगिकी विभाग | Department of Science & Technology,

टेक्नोलॉजी भवन, नई दिल्ली-110016 | Technology Bhavan, New Delhi-110016

Telecom:12095

From: "Pradeep Kumar" <ds-ainst-dst@gov.in>**To:** "Roshan Kumar" <roshan.1210@gov.in>

Sent: Thursday, July 27, 2023 3:13:00 PM

Subject: Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

From: "Pradeep Kumar" <ds-ainst-dst@gov.in>

To: "RN Upadhyay" <rnupadhyay.moca@nic.in>

Sent: Thursday, July 27, 2023 12:59:22 PM

Subject: Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

From: "Manoranjan" <mohantym@nic.in>

To: "Pradeep Kumar" <ds-ainst-dst@gov.in>

Sent: Thursday, July 27, 2023 10:29:30 AM

Subject: Fwd: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Regards/भवदीय

Dr. Manoranjan Mohanty

डॉ. मनोरंजन मोहंती

Scientist-G and Head

वैज्ञानिक-जी एंव प्रमुख

Autonomous Institute Division

स्वायत्त संस्थान प्रभाग

(Room No. 133, New Building)

(कमरा संख्या - 133, नया भवन)

Department of Science and Technology

विज्ञान एंव प्रौद्योगिकी विभाग

Technology Bhavan, New Delhi-110016

तकनीकी भवन, नई दिल्ली - 110016

Tel: 011-26516076

दुरभाष संख्या - 01126516076

Email: mohantym@nic.in

From: "Gautam Govind" <usadmn1a-dst@gov.in>
To: "Surinder Pal Singh" <surinder.singh66@gov.in>, "Surinder Pal Singh" <jsa-dsir@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Sunil Kumar JS DST" <jssk-dst@gov.in>, "Manoranjan" <mohantym@nic.in>, "anita aggarwal" <anita.a@nic.in>
Cc: "Vikash Rajan" <rajan.vikash@gov.in>, "THINGOM LALIT KR. SINGH" <tlk.singh@nic.in>
Sent: Wednesday, July 26, 2023 4:35:58 PM
Subject: Rajya Sabha Provisionally admitted Parliament Question Diary No. S3446 due for reply on 03.08.2023 regarding "Prevention of Sexual Harassment of Women at workplace"-reg.

Sir,

Please find this Department's O.M. dated 26.07.2023 (copy attached) on the subject mentioned above for necessary action.

With Regards & Thanks,

(Gautam Govind)
 Under Secretary to the Govt. of India
 Department of Science and Technology
 Pl. 011-26690501, 12012

th</sup>-8th Floor, Block-3, CGO Complex, New Delhi- 110003. Email: jsadmin.dbt@nic.in.
- SMP Division, [Kind attn.: Shri Sunil Kumar, Joint Secretary (Geospatial)], Technology Bhawan, New Delhi- 110016. Email: jssk-dst@gov.in. - in r/o
- AI Division, DST, [Kind attn.: Dr. Manoranjan Mohanty, Scientist G & Head] Technology Bhawan, New Delhi- 110016- in r/o Als under DST.
- TDT Division, DST, [Kind attn.: Dr. Anita Aggarwal, Scientist F & Head], Technology

/11032/2023

Bhawan, New Delhi- 110016- in r/o TDB.





Uma Daral <umadaral@gmail.com>

Fwd: Unstarred Lok Sabha Question Dy No. 6573 on 'Women Scientists Scheme'

Sangeeta Baksi <sangeetabaksi@gmail.com>

Tue, Jul 25, 2023 at 5:11 PM

To: uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: **Sangeeta Nagar** <sangeetanagar2005@gmail.com>

Date: Tue, Jul 25, 2023 at 5:07 PM

Subject: Re: Unstarred Lok Sabha Question Dy No. 6573 on 'Women Scientists Scheme'

To: Vandana Singh <vandana.singh@nic.in>

Cc: Sangeeta Baksi <sangeetabaksi@gmail.com>, Yashawant dev panwar <yashawantdev@gmail.com>

Dear Dr Singh,

Following are the inputs from TIFAC after due approval fro competent authority:

TIFAC inputs for Lok Sabha Question Diary No. 6573 on women scientist scheme to be answered on August 2, 2023

Point-wise reply is given below:

b) the number of women in Jharkhand benefitted under the said scheme alongwith the district-wise details thereof;

10 women from Jharkhand have benefitted under the scheme.

(c) the number of women scientists in Jharkhand who have applied for Internship in Intellectual Property Right (IPRs) to get benefit this year;

36 women from Jharkhand have applied for Internship in Intellectual Property Right (IPRs) to get benefit this year.

(f) the number of women who received training in the field of Intellectual Property Rights (IPRs) under the WOS-C component of the said scheme; and

850 women have received training under the WOS-C component of the scheme.

(g) how many women who received IPR training got employment after the completion of the training; provide details?

About 450 women are gainfully employed in the area of IPR after completion of the training. Women are generally employed in IP departments of Govt agencies, Patent Information Centres (PIC) of State S&T Councils, IP Law firms, KPOs, MNCs, University IP cells etc. Some have become IP entrepreneurs, free lancers, opened their own IP firms.

Regards

Sangeeta Nagar
Scientist F

Patent Facilitating Centre (PFC)
TIFAC, An Autonomous Body of Dept of Science & Technology
"A" Wing, Vishwakarma Bhavan
Shaheed Jeet Singh Marg
New Delhi 110016
Tel : 91-011-42525802; Fax : 26863866, Mob : 09871075662
Email :s_nagar@tifac.org.in, sangeetanagar2005@gmail.com

On Mon, 24 Jul 2023 at 15:09, Vandana Singh <vandana.singh@nic.in> wrote:

Dear Ma'am,

Please find below questions for Unstarred Lok Sabha Question Dy No. 6573 on 'Women Scientists Scheme' to be answered on August 02, 2023.

Women Scientists Scheme

Will the Minister of SCIENCE AND TECHNOLOGY

(a) whether the Government has been implementing any Women Scientists Scheme in the country and if so, the details thereof alongwith the salient features thereof;

(b) the number of women in Jharkhand benefitted under the said scheme alongwith the district-wise details thereof;

(c) the number of women scientiests in Jharkhand wo have applied for Intership in Intellectual Property Right (IPRs) to get benefit this year;

(d) how many women from the state of Uttar Pradesh and specifically from the Pratapgarh parliamentary constituency are provided research grants under the WOS-A and WOS-B components of WOS scheme;

(e) the criteria which the Government follows in making selections for grants under the said scheme;

(f) the number of women who received training in the field of Intellectual Property Rights (IPRs) under the WOS-C component of the said scheme; and

(g) how many women who received IPR training got employment after the completion of the training; provide details?

Regards,
Vandana

सादर,
डॉ वंदना सिंह (वैज्ञानिक-एफ)
विज्ञान एवं प्रौद्योगिकी विभाग
नयी दिल्ली - 110016

Sincerely,
Dr Vandana Singh
Scientist - F
Department of Science & Technology,
Ministry of Science & Technology,
Technology Bhawan,
New Delhi - 110016.
Ph. No. 011-26590675/ 26534166





वसुधैव कुटुम्बकम्
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--

संगीता बक्सी/Sangeeta Baksi
वैज्ञानिक /Scientist

प्रमुख रिसोर्स विभाग /Head-Resource Cell

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) /

Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग , भारत सरकार)/(Department of Science & Technology, Govt. of India)

विश्वकर्मा भवन/ Vishwakarma Bhawan,

शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525777



Uma Daral <umadaral@gmail.com>

Fwd: Most Immediate (Parliament Question) - Lok Sabha admitted unstarred Qn. No. *1299: Patents filed by MSMEs - For answer on 27.07.2023 -reg.

Sangeeta Baksi <sangeetabaksi@gmail.com>

Mon, Jul 24, 2023 at 1:21 PM

To: uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: **Yashawant Dev Panwar** <yashawant@tifac.org.in>

Date: Mon, Jul 24, 2023 at 1:17 PM

Subject: Re: Most Immediate (Parliament Question) - Lok Sabha admitted unstarred Qn. No. *1299: Patents filed by MSMEs - For answer on 27.07.2023 -reg.

To: Satish Kumar <satish.k85@gov.in>

Cc: Pradeep Srivastava <ed@tifac.org.in>, sangeetabaksi <sangeetabaksi@gmail.com>, s_nagar tifac <s_nagar@tifac.org.in>

Dear Shri Satish Kumar,

Nil input may be taken in this regard from TIFAC.

With regards

डॉ. यशवंत देव पंवार/Dr. Yashawant Dev Panwar

वैज्ञानिक - ऍफ़ एवं प्रमुख पीएफ़सी/Scientist F and Head PFC

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफ़ैक) / Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)/(Department of Science & Technology, Govt. of India)

अ खंड, विश्वकर्मा भवन/ A Wing, Vishwakarma Bhawan,

शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525806

Email: yashawant@tifac.org.in

From: "Satish Kumar" <satish.k85@gov.in>

To: "Unnat P. Pandit" <cg.ipindia@nic.in>, "CG Office Mumbai" <cgoffice-mh@nic.in>, "Yashawant Dev Panwar" <yashawant@tifac.org.in>, "jshp dpiit" <jshp.dpiit@nic.in>, "Akash Tripathi" <ceo@mygov.in>

Cc: "Ateesh Singh" <js.afi-msme@gov.in>, "Vinamra Mishra" <vinamra.mishra@gov.in>, "ShriRakeshkumar ShriRakeshkumar" <rakeshkumar@dcmsme.gov.in>, "Bikram Nath" <bikram.87@gov.in>

Sent: Friday, July 21, 2023 6:40:39 PM

Subject: Most Immediate (Parliament Question) - Lok Sabha admitted unstarred Qn. No. *1299: Patents filed by MSMEs - For answer on 27.07.2023 -reg.

Respected Sir/Madam,

Please find attached the Lok Sabha Parliament question which has been admitted as unstarred No.*1299 regarding " **Patents filed by MSMEs** " due for answer on **27/07/2023**.

The text of the question is reproduced below:

- the details of patents filed by Micro, Small and Medium Enterprises(MSMEs) during the last three years and the current year;
- whether the Government has taken any steps to create awareness about intellectual property rights among MSMEs in the country; and
- if so, the details thereof and if not, the reasons thereof?

Therefore it is requested to **provide/ arrange information/inputs to part (a) to (c) of the question latest by 24.07.2023 (01:00 PM) positively.**

Thanks and regards.

(Satish Kumar)
Assistant Director(IPR)
O/o Development Commissioner(MSME)
M/o Micro Small & Medium Enterprises
Govt of India, Room No-706, A Wing
7th Floor, Nirman Bhawan, Maulana Azad Road,
New Delhi-110108
Ph-011-23061163



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

--

संगीता बक्सी/Sangeeta Baksi
वैज्ञानिक /Scientist

प्रमुख रिसोर्स विभाग /Head-Resource Cell

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) /

Technology Information, Forecasting & Assessment Council (TIFAC)

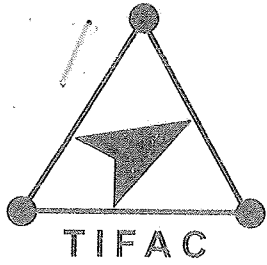
(विज्ञान तथा प्रौद्योगिकी विभाग , भारत सरकार)/(Department of Science & Technology, Govt. of India)

विश्वकर्मा भवन/ Vishwakarma Bhawan,

शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525777




TIFAC
(IPR Div)

July 24, 2023

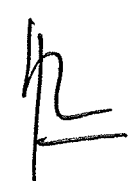
Enclosed request for input. w.r.t. Rajya Sabha.
Parliament Question Diary No 51625 to be answered on
28.07.23 and copy of said question is enclosed for
kind perusal.

Draft inputs are placed at F/A for kind approval.

ED's kind approval is requested to send the inputs.


24/7/23
(Yashwant Dev Parma)
Sec. F & Head IPR Div.

~~Prof Pradeep Srivastava, ED~~


24/7/23

Dr. Yashwant Dev Parma



Uma Daral <umadaral@gmail.com>

Fwd: FOR INPUTS TO DPIIT - Fwd: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.sangeetab.tifac <sangeetab@tifac.org.in>
To: uma daral <umadaral@gmail.com>

Mon, Jul 24, 2023 at 1:05 PM

----- Forwarded Message -----

From: "Yashawant Dev Panwar" <yashawant@tifac.org.in>

To: "Ravi Kant" <prajapati.rk@gov.in>

Cc: "Dr. Debapriya Dutta Scientist G" <ddutta@nic.in>, "Umesh Kumar Sharma" <uk.sharma@nic.in>, "Rashmi Sharma" <r.sharma72@nic.in>, "sangeetab.tifac" <sangeetab@tifac.org.in>, "s_nagar.tifac" <s_nagar@tifac.org.in>

Sent: Monday, July 24, 2023 12:59:16 PM

Subject: Re: FOR INPUTS TO DPIIT - Fwd: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

Dear Shri Ravi,

Please find enclosed inputs from TIFAC w.r.t. d. part of said Parliament Question.

Pl let me know of any further assistance in this regard.

With best wishes,

डॉ. यशवंत देव पंवार/Dr. Yashawant Dev Panwar

वैज्ञानिक - एफ़ एवं प्रमुख पीएफ़सी/Scientist F and Head PFC

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) / Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)/(Department of Science & Technology, Govt. of India)

अ खंड, विश्वकर्मा भवन/ A Wing, Vishwakarma Bhawan,

शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525806

Email: yashawant@tifac.org.in

----- Original Message -----

From: "Ravi Kant" <prajapati.rk@gov.in>

To: "Yashawant Dev Panwar" <yashawant@tifac.org.in>

Cc: "Dr. Debapriya Dutta Scientist G" <ddutta@nic.in>, "Umesh Kumar Sharma" <uk.sharma@nic.in>

Sent: Friday, July 21, 2023 5:37:35 PM

Subject: Fwd: FOR INPUTS TO DPIIT - Fwd: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

Dear Sir,

This is with reference to the Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights. Kindly see the attachment and provide the inputs by 24.07.2023.

Kind Regards,

Ravi Kant Prajapati/ रविकांत प्रजापति

Scientist- B/ वैज्ञानिक-बी

Science for Equity, Empowerment and Development (SEED) /

समानता, सशक्तिकरण एवम् विकास हेतु विज्ञान (सीड) प्रभाग

State Science & Technology Programme /
राज्य विज्ञान और प्रौद्योगिकी कार्यक्रम
Department of Science & Technology/ विज्ञान और प्रौद्योगिकी विभाग
Ministry of Science & Technology / विज्ञान और प्रौद्योगिकी मंत्रालय
Government of India/ भारत सरकार
Technology Bhavan, New Mehrauli Road, New Delhi – 110016
Tel. No. / दूरभाष 011-26590637

----- Forwarded Message -----

From: "Dr. Debapriya Dutta Scientist G" <ddutta@nic.in>

To: "Umesh Kumar Sharma" <uk.sharma@nic.in>, "Ravi Kant" <prajapati.rk@gov.in>

Sent: Friday, July 21, 2023 5:03:54 PM

Subject: FOR INPUTS TO DPIIT - Fwd: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

NA for inputs to DPIIT, please.

Adviser & Head [SEED-SSTP]

----- Forwarded Message -----

From: "DEVARAJAN K.R." <parldst@nic.in>

To: "Dr. Debapriya Dutta Scientist G" <ddutta@nic.in>

Cc: "Anil" <anilk.pandey@nic.in>

Sent: Friday, July 21, 2023 4:51:40 PM

Subject: Fwd: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

आदरणीय महोदय/महोदया | Respected Sir(s)/Madam,

Kindly refer trailing email from Ministry of Commerce and Industry, seeking DST's inputs iro above cited PQ.

In this connection, PFC is requested to kindly provide requisite inputs directly to Ministry of Commerce and Industry, please.

सादर | Regards,

के. आर. देवराजन | K.R. DEVARAJAN

अवर सचिव | UNDER SECRETARY,

संसद एकक | PARLIAMENT UNIT,

विज्ञान एवं प्रौद्योगिकी विभाग | DEPARTMENT OF SCIENCE AND TECHNOLOGY,

रूम संख्या 334, फ्लोर संख्या 03, नई ब्लॉक - I | ROOM NO. 334, 3rd FLOOR, NEW BLOCK - I,

टेक्नोलॉजी भवन | TECHNOLOGY BHAVAN,

नई महरौली रोड | NEW MEHRAULI ROAD,

नई दिल्ली-110016 | NEW DELHI-110016

TELE: +91-11-26590321 | INTERCOMM: 16063

E-MAIL: [mailto:parldst@nic.in | parldst@nic.in] [mailto:parldst@nic.in]

----- Forwarded Message -----

From: "SECRETARY DST" <dstsec@nic.in>

To: "A Dhanalakshmi" <a.dhanalakshmi@nic.in>

Cc: "Dr. R. S. Gokhale" <secy-dst@gov.in>, "Anil" <anilk.pandey@nic.in>, "DEVARAJAN K.R." <parldst@nic.in>,

"oosecy dst" <secoffice2-dst@nic.in>

Sent: Friday, July 21, 2023 4:28:44 PM

Subject: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

----- Forwarded Message -----

From: "IPRII DIPP" <ipr2-dipp@gov.in>

To: "Secretary MeitY" <secretary@meity.gov.in>, "K Rajaraman" <secy-dot@nic.in>, "SECRETARY DST" <dstsec@nic.in>,"Shri Giridhar Aramane" <defsecy@nic.in>,"Mr Rajesh Bhushan" <secyhfw@nic.in>,"Manoj

Ahuja" <secy-agri@gov.in>,"Ms S. Aparna" <secy-pharma@nic.in>,"Arun Baroka" <sec.cpc@nic.in>,"

jsoffice@isro.gov.in,"RAJESH KOTECHA" <secy-ayush@nic.in>,"Dr M Ravichandran"

<secretary@moes.gov.in>, "Dr Rajesh S Gokhale" <secy@dbt.nic.in>, ceo-niti@gov.in

Cc: "jshp dpiit" <jshp.dpiit@gov.in>, "Karan Thapar" <knthapar.irs@gov.in>, "Bikram Nath" <bikram.87@gov.in>, "Deepak Kumar" <deepak.kumar44@gov.in>

Sent: Friday, July 21, 2023 2:02:02 PM

Subject: Urgent: Admitted Unstarred Parliament Question Diary No. S1625 to be answered on 28.07.2023 on List of Indian innovative products and discoveries accorded with intellectual property rights.

Respected Sir/ Madam,

The undersigned is directed to forward herewith this Department's OM No. P-24011(11)/20/2023-IPR-II dated 21.07.2023 on above mentioned Parliament Question.

Best Regards!

Sonia

Assistant Section Officer

IPR -International Policy Section/आईपीआर – अंतर्राष्ट्रीय नीति अनुभाग

Department for Promotion of Industry and Internal Trade/ उद्योग संवर्धन और आंतरिक व्यापार विभाग

Ministry of Commerce and Industry/ वाणिज्य और उद्योग मंत्रालय

Vanijya Bhawan, New Delhi/ वाणिज्य भवन, नई दिल्ली

--

DR.(MR.) DEBAPRIYA DUTTA / डॉ। (श्री।) देबप्रिय दत्ता

Adviser & Head / Scientist-G / सलाहकार और प्रमुख / वैज्ञानिक - जी

Mission Societal-Science for Equity Empowerment and Development(SEED)/ मिशन सोसाइटील - इक्विटी एम्पावरमेंट एंड डेवलपमेंट (सीड)

State Science & Technology Programme (SSTP) / विज्ञान राज्य विज्ञान और प्रौद्योगिकी कार्यक्रम (SSTP)

Patent Facilitation Programme (PFP) / पेटेंट सुविधा कार्यक्रम (PFP)


Associate Head - National Geospatial Programme (NGP) / एसोसिएट हेड - नेशनल जियोस्पेशियल प्रोग्राम (NGP)

Department of Science & Technology / विज्ञान और प्रौद्योगिकी विभाग ,

Ministry of Science and Technology, Government of India / विज्ञान और प्रौद्योगिकी मंत्रालय , भारत सरकार

Room No.18A, Old S&T Block-I, Technology Bhawan, New Mehrauli Road, New Delhi-110016

[Tel. No. 011-26964793 / E-mail: [mailto:ddutta@nic.in | ddutta@nic.in]]

 **Rajya Sabha Parliament Question Diary No. S1625 to DPIIT.docx**
18K

TIFAC Inputs for Rajya Sabha Parliament Question Diary No. S1625 to be answered on 28.07.2023

(d) part of question as desired:

In addition to efforts by various ministries, Department of Science and Technology has revamped its Patent Facilitation Programme to encourage patent filing and grant India; which is now being implemented by 26 State Councils of Science and Technology in 26 states (as Patent Information Centres PICs) in addition to Patent Facilitating Centre (PFC) at Technology Information Forecasting and Assessment Council (TIFAC), an autonomous body of DST. Patent Information Centres at state have further opened IPR Cells in Universities and Technical Institutions to scout patentable inventions and provide full financial, technical and legal support in filing and obtaining patents on their own as well as through PFC at TIFAC.

PICs and IPR Cells in universities/institutions regularly organise awareness programmes for scientists and technologists in addition to patentability assessment and facilitation in coordination with PFC at TIFAC. PFC-TIFAC is engaged in conducting advanced training programmes for PICs, IPR Cells and professionals. Details of such activities conducted under Patent Facilitating Program (PFP), Department of Science and Technology (DST) implemented through Technology Information Forecasting and Assessment Council (TIFAC) and State Council of Science Technology in 26 States are;

- i. Patent Applications facilitated through PFC at TIFAC 1345 (year-wise details annexure-I) and only two refusals for grant, others have been granted or pending for grant by patent office.
- ii. Patent applications facilitated through PICs in states
- iii. Number of awareness and training programme: 771
- iv. Number of participants (scientists, students, academicians and industrialists): 1,21,544.

The August 2022 was dedicated to month long nation-wide campaign on IPR as part of celebration of Azadi Ka Amrit Mahotsav. During the programme 31 online programmes conducted one each by of the State Councils of Science and Technology and TIFAC.

PFC -TIFAC is also implementing unique scheme, Women Scientist Scheme (WOS-C), popularly known as KIRAN-IPR which produced 10% of active patent agents in the country and a total of about 850 women scientists with IP knowledge acquired through one year rigorous hands on training on patents.

Annexure:I

S. No.	Year	Number of Patent Applications Filed in	
		India	Other Countries
1.	1995-96	5	nil
2.	1996-97	5	4
3.	1997-98	20	1
4.	1998-99	17	8
5.	1999-2000	25	nil
6.	2000-01	42	nil
7.	2001-02	23	29
8.	2002-03	35	nil
9.	2003-04	45	nil
10.	2004-05	80	3
11.	2005-06	83	8
12.	2006-07	92	nil
13.	2007-08	108	nil
14.	2008-09	75	nil
15.	2009-10	90	nil
16.	2010-11	105	nil
17.	2011-12	37	6
18.	2012-13	31	1
19.	2013-14	21	18
20.	2014-15	33	nil
21.	2015-16	38	1
22.	2016-17	23	9
23.	2017-18	20	3
24.	2018-19	52	nil
25.	2019-20	nil	nil
26.	2020-21	33	nil
27.	2021-22	17	nil
28.	2022-23	37	nil
29.	2023-24	17	1
Total		1253	92
Grand Total		1345	



Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Thu, Jul 20, 2023 at 9:35 AM

To: sharath.kr@gov.in

Cc: "registrar.tifac.tifac" <registrar@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, uma daral <umadaral@gmail.com>

Dear Dr Pallerla,

PFA the inputs for the subject RS question. This is being sent with the approval of competent authority.


Regards

Sangeeta

[Quoted text hidden]

[Quoted text hidden]

2 attachments

 **S498.pdf**
267K

 **RS Question No. S498 reg. Technologies to address Climate chang.pdf**
508K

Technology Information, Forecasting & Assessment Council (TIFAC)

(Department of Science & Technology)
Vishwakarma Bhawan, Shaheed Jeet Singh Marg
New Delhi -110016

F. No. TIFAC/IMC/Parliament/2023

14.07.2023

**Subject: Provisionally Admitted Rajya Sabha Starred /Unstarred question diary no.- S498
for 20/07/2023 reg. Technologies and solutions to address the impact of Climate
Change**

Dear Shri Pallerla,

The Inputs from TIFAC in respect of the above Rajya Sabha Questions are as follows:

- a) With Climate Change expected to further increase temperatures in the coming years, are there any long-term strategies been considered to adapt to these changes and mitigate their impact on health, agriculture, and other sectors; cite details;

Towards assisting development of Life Cycle Analysis tool for the Indian Transport sector, TIFAC has taken up the study "**Estimation of Real-Life Fuel Economy of Indian Vehicles by a Data-Driven Approach**" for assessment of representative real-life fuel economy. The data will be useful for the Life Cycle Analysis Model being developed by International Transport Forum (ITF) at OECD under the project "**Decarbonization of Transport in Emerging Economies (DTEE)**". The LCA tool will enable the policy makers to formulate strategies towards decarbonizing the transport sector in India. This will also enable researchers, industry and start-up companies to focus on development of newer technologies related to this sector.

- b) Are there any investments being made in research and development to identify new technologies and solutions to address the impacts of climate change on various sectors, and how is the government supporting these innovations; provide details;
- (i) Towards assisting policy makers, researchers and industry to identify and plan appropriate policies and actions for promotion of electric mobility, TIFAC developed an agent-based model forecasting penetration of electric two-wheelers along with estimation of battery and charging infrastructure requirements.
- (ii) TIFAC in collaboration with MoEF&CC, Govt. of India conducted a Technology Needs Assessment (TNA) exercise during 2016-18 for ten identified sectors towards development of TNA portfolio through systematic identification of priority technologies for mitigation and adaptation measures to have far reaching impact on society at large and help in achieving Climate change targets of the country. The sectors covered includes Sustainable

Agriculture, Coal and Energy, Forestry, Habitat, Industrial Product and Processes Use (IPPU), Renewables, Transportation, Water, Health and Waste

- c) Whether government has integrated climate adaptation and mitigation considerations into its policies and decision-making across different sectors, and what are the mechanisms that exist for ensuring its effective implementation; cite details?

TIFAC is preparing a whitepaper on "Power Electronics, Machines and Drives" under the initiative of the Department of Science and Technology (DST) titled "**Technologies for Addressing the Hindrances to Electric Mobility in India**". This whitepaper discusses about technologies that will help overcoming barriers of electric mobility in India and identifies strategies to develop them through a set of innovation clusters.

With regards.

Yours, sincerely,


(Sangeeta Baksi)

Scientist F & In-charge (RC)

Shri S Sharath Kumar Pallerla
Scientist -G/ Advisor, Centralized Processing Centre
Ministry of Environment, Forest and Climate Change
R. No. 306, Level-III, Vayu Wing,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj, New Delhi-110003



Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Jul 19, 2023 at 8:00 PM

To: uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: Dr Pradeep Srivastava IIT BHU <drpradeep19@gmail.com>

Date: Wed, 19 Jul 2023, 19:34

Subject: Re: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Approved

PS

[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jul 14, 2023 at 4:47 PM

To: Dr Pradeep Srivastava <ed@tifac.org.in>, drpradeep19 <drpradeep19@gmail.com>

Cc: uma daral <umadaral@gmail.com>

Dear Sir

PFA the inputs from TIFAC for the subject RS question.

Placed for your perusal and apprval pelase,


Regards


Sangeeta

[Quoted text hidden]

[Quoted text hidden]

2 attachments

 **S498.pdf**
267K

 **RS Question No. S498 reg. Technologies to address the impact of climate change-14.07.2023.docx**
18K



Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Dr. T Chakradhar <chakradhar.t@live.com>

Fri, Jul 14, 2023 at 4:22 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Uma Daral <umadaral@gmail.com>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Gautam Goswami <goswamig@hotmail.com>

Dear Sangeeta Ji,

With reference to the trailing e-mail circular dated 11th July, 2023 on the subject received from MOEF&CC, please find attached the inputs from Foresight and Vision Division, TIFAC on the above subject.

For doing the needful please

Regards

T.Chakradhar

Dr. T. Chakradhar*Scientist (C),*Technology Information, Forecasting & Assessment Council (TIFAC),
(Department of Science & Technology, Govt. of India)5th Floor, AI Block, Technology Bhavan,

New Mehrauli Road,

New Delhi -110 016, INDIA

Phone: +91-11- 26541103(O)

Email: chakradhar@tifac.org.in

website : www.tifac.org.in



Sanitization & hand wash



Mask use



Social Distancing

**From:** Gautam Goswami**Sent:** 14 July 2023 15:47**To:** T Chakradhar**Subject:** Fw: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Pl see and prepare.

Rgds

From: Dr Pradeep Srivastava IIT BHU <drpradeep19@gmail.com>**Sent:** Tuesday, July 11, 2023 9:58 AM**To:** gautam goswami <goswamig@hotmail.com>**Subject:** Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

----- Forwarded message -----

From: Pradeep Srivastava <ed@tifac.org.in>

Date: Tue, 11 Jul 2023 at 1:40 PM

Subject: Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

To: drpradeep19 <drpradeep19@gmail.com>

Cc: In-charge (Fin. & Admn.) <registrar.tifac@nic.in>

[Quoted text hidden]

[Quoted text hidden]

--

Prof .Pradeep Srivastava,PhD, FIE

Professor in Biochemical Engineering, IIT(BHU)

Executive Director,

TIFAC, Govt of India

Shaheedjt Singh Marg,

New Delhi

INDIA

Cell:+91-9415302088



Inputs Parliament Rajyasabha question Foresight & Vision Division.docx

15K

Foresight and Vision Division

Sub.: - Inputs for “Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023”

TIFAC in collaboration with MoEF&CC, Govt. of India conducted a Technology Needs Assessment (TNA) exercise during 2016-18 for ten identified sectors. This was the first of its kind study on Technology Needs Assessment in India and aimed towards development of TNA portfolio through systematic identification of priority technologies for mitigation and adaptation measures to have far reaching impact on society at large and help in achieving Climate change targets of the country.

TIFAC prepared the TNA report for the following sectors and submitted to MoEF&CC:

1. Sustainable Agriculture
2. Coal and Energy
3. Forestry
4. Habitat
5. Industrial Product and Processes Use (IPPU)
6. Renewables
7. Transportation
8. Water
9. Health
10. Waste



Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Nirmala Kaushik <nirmala.kaushik@gmail.com>
To: Sangeeta Baksi <sangeetabaksi@gmail.com>
Cc: Uma Daral <Umadaral@gmail.com>

Wed, Jul 12, 2023 at 3:29 PM

Kindly note Nil inputs.

Regards,

Nirmala

[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Wed, Jul 12, 2023 at 12:20 PM

To: uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: **Arghya Sardar** <arghyas@gmail.com>

Date: Wed, Jul 12, 2023 at 12:13 PM

Subject: Re: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Mukti Trivedi <mukti.trivedi@gmail.com>

Dear Sangeeta,

Inputs from the Energy and Transport division are in the attached file.

With regards,

Arghya

[Quoted text hidden]

--

Arghya Sardar

Head, Energy and Transport

Technology Information, Forecasting & Assessment Council (TIFAC)

5th Floor, AI Block, Technology Bhawan

New Mehrauli Road, New Delhi - 110 016, India

Phone: +91-11-26511237

Email: arghyas@gmail.com/ arghya@tifac.org.in

[Quoted text hidden]

**Energy and Transport Rajyasabha Question -July 2023.docx**

17K

TIFAC

Energy and Transport

Date: 12 July 2022

Subject: Inputs for the Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Inputs related to Questions No. (a) and (b) are as follows:

The Energy and Transport division of TIFAC contributes towards prioritization of emerging technologies and indentation of long-term strategies for decarbonizing the transport and energy sector in India through focused studies and development of modelling tools. The major activities recently taken up/completed are as follows:

- I. Towards assisting development of Life Cycle Analysis tool for the Indian Transport sector, TIFAC has taken up the study **“Estimation of Real-Life Fuel Economy of Indian Vehicles by a Data-Driven Approach”** for assessment of representative real-life fuel economy, of Indian vehicles taking into consideration factors like mileage, load/passenger capacity, age distribution etc for various modes and segment of transport under. The data will be useful for the Life Cycle Analysis Model being developed by International Transport Forum (ITF) at OECD under the project **“Decarbonization of Transport in Emerging Economies (DTEE)”**. The LCA tool will enable the policy makers to formulate strategies towards decarbonizing the transport sector in India. This will also enable researchers, industry and start-up companies to focus on development of newer technologies related to this sector.
- II. Towards assisting policy makers, researchers and industry to identify and plan appropriate policies and actions for promotion of electric mobility, TIFAC developed an agent-based model forecasting penetration of electric two-wheelers along with estimation of battery and charging infrastructure requirements. A report with results of scenario analysis with this model titled **“Forecasting Penetration of Electric Two-Wheelers in India : A Bottom Up Analysis”** was released on 28 th June 2022 by Dr. V. K. Saraswat, Member (S&T), NITI Aayog and Shri Amitabh Kant, CEO, NITI Aayog.
- III. TIFAC is preparing a whitepaper on **“Power Electronics, Machines and Drives”** under the initiative of the Department of Science and

Technology (DST) titled "**Technologies for Addressing the Hindrances to Electric Mobility in India**". This whitepaper discusses about technologies that will help overcoming barriers of electric mobility in India and identifies strategies to develop them through a set of innovation clusters.

Arghya Sardar
Head, Energy and Transport

Ms. Sangeeta Baksi, Head, IMC



Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Tue, Jul 11, 2023 at 7:45 PM

----- Forwarded message -----

From: **pulak basak** <basakpr@yahoo.com>

Date: Tue, 11 Jul 2023, 19:44

Subject: Re: Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

To: <sangeetabaksi@gmail.com>

Nil inputs.



PR Basak

Sent from Yahoo Mail on Android
[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Tue, Jul 11, 2023 at 4:07 PM

To: uma daral <umadaral@gmail.com>

----- Forwarded message -----

From: **Mukesh Mathur TIFAC** <mukesh.tifac@gmail.com>

Date: Tue, 11 Jul 2023, 16:04

Subject: Re: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

NIL inputs from MSME Division.

[Quoted text hidden]





Uma Daral <umadaral@gmail.com>

Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>

Tue, Jul 11, 2023 at 3:59 PM

To: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, Yashawant Dev Panwar <yashawantdev@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, "nirmala.kaushik" <nirmala.kaushik@gmail.com>, Nirmala <nkaushik@nic.in>, uma daral <umadaral@gmail.com>

Dear All

Pl. provide inputs for the subject RS question at the earliest if any. Nil inputs may also be communicated.

Regards

Sangeeta

From: "Pradeep Srivastava" <ed@tifac.org.in>**To:** drpradeep19@gmail.com**Cc:** "In-charge (Fin. & Admn.)" <registrar.tifac@nic.in>**Sent:** Tuesday, July 11, 2023 1:40:07 PM**Subject:** Fwd: Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

From: "Sharath Kumar Pallerla" <sharath.kr@gov.in>**To:** "Dr M Ravichandran" <secretary@moes.gov.in>, "SECRETARY DST" <dstsec@nic.in>, "Manoj Ahuja" <secy-agri@gov.in>, "NPO IDSP" <idsp-npo@nic.in>, "Mr Rajesh Bhushan" <secyhfw@nic.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Pradeep Srivastava" <ed@tifac.org.in>, "Manoj Joshi" <secyurban@nic.in>, hvaidya@niua.org**Cc:** "ad raju" <ad.raju@nic.in>, "Ajay Raghava" <ajay.raghava@nic.in>, "KUNAL KUMAR" <kunal.kumar63@gov.in>, "Vanika Bajaj" <vanika.bajaj@govcontractor.in>**Sent:** Tuesday, July 11, 2023 1:26:04 PM**Subject:** Provisionally admitted Rajya Sabha Starred/Unstarred Question Dy. No. S498 for answer on 20.07.2023

Respected Sir/Madam,

Please see the attachment regarding provisionally admitted Rajya Sabha Question Diary No. S498 for answer on 20.07.2023 regarding **"Technologies and Solutions to address the impact of climate change"**. It is requested that information available with your Ministry/Department/Organization may please be sent to the undersigned at the earliest, and preferably by 13/07/2023.

Hope this receives your expeditious, kind consideration.

Regards.

Office of Advisor (SKP)

SHARATH KUMAR PALLERLA / शरथ कुमार पल्लेरला**Scientist 'G'/Advisor / वैज्ञानिक 'जी'**

**Centralized Processing Centre
Ministry of Environment, Forest and Climate Change,
R. No. 306, Level-III, Vayu Wing,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj, New Delhi - 110003**

Tele_+91-11-20819370 Inter Com: 4317



पशुधन कृषकान्
ONE EARTH • ONE FAMILY • ONE FUTURE

--

Prof Pradeep Srivastava, Phd, FIE
Executive Director,
Technology Information Forecasting and Assessment Council,
AI Building, V th Floor,
Technology Bhawan,
New Mehrauli Road, New Delhi - 110016
011-26511227,26511245(D)

--

संगीता बक्सी/Sangeeta Baksi
वैज्ञानिक /Scientist

प्रमुख रिसोर्स विभाग /Head-Resource Cell

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) /

Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञानं तथा प्रौद्योगिकी विभाग , भारत सरकार)/(Department of Science & Technology, Govt. of India)

विश्वकर्मा भवन/ Vishwakarma Bhawan,

शहीद जीत सिंह मार्ग / Shaheed Jeet Singh Marg

नई दिल्ली- 110016 / New Delhi- 110016

फ़ोन /Phone 011- 42525777

S498.pdf
267K

Email

Technologies and Solutions to address the impact of climate change

From : rsqns@sansad.nic.in

Mon, Jul 10, 2023 12:13 PM

Subject : Technologies and Solutions to address the impact of climate change**To :** parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- S498

The Question Will be put down for -- 20/07/2023

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Technologies and Solutions to address the impact of climate change

a)With climate change expected to further increase temperatures in the coming years, are there any long-term strategies been considered to adapt to these

changes and mitigate their impact on health, agriculture, and other sectors; cite details;

b)Are there any investments being made in research and development to identify new technologies and solutions to address the impacts of climate change on various

sectors, and how is the government supporting these innovations; provide details;

c)whether government has integrated climate adaptation and mitigation considerations into its policies and decision-making across different sectors, and what are the

mechanisms that exist for ensuring its effective implementation; cite details?

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Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Fri, Jun 16, 2023 at 11:06 AM

To: dmandal.88@gov.in

Cc: "registrar.tifac.tifac" <registrar@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, Manoranjan <mohantym@nic.in>, uma daral <umadaral@gmail.com>



Dear Dr Mandal

PFA the inputs for the subject matter. This is being sent with the approval of competent authority.

Regards

Sangeeta

[Quoted text hidden]

3 attachments **FORMAT.docx**
16K **TIFAC Goals and Plan for 2023-24 under PSC (June 16, 2023).pdf**
162K **TIFAC Goals and Plan for 2023-24 under PSC (June, 2023).docx**
24K



Uma Daral <umadaral@gmail.com>

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Fri, Jun 16, 2023 at 10:52 AM

----- Forwarded message -----

From: **Dr Pradeep Srivastava IIT BHU** <drpradeep19@gmail.com>
Date: Fri, 16 Jun 2023, 10:52
Subject: Re: Information about Goals/Activities of Autonomous/Professional Bodies
To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Approved

PS

[Quoted text hidden]

S. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during 2023-2024	Achievements during the IVth quarter for FY 2022-2023
1	Technology Information Forecasting and Assessment Council (TIFAC), Delhi.	Technology Forecasting, Technology Assessment, and preparation of Technology Market Survey Reports. Promotion of key technologies of relevance to India.	<ul style="list-style-type: none"> To obtain the estimates of the nature and quantum of the likely demands of goods and services in various sectors of the economy against 10 and 25 years' time-frames on the basis of a) 'normative', and (b) 'exploratory' approaches To suggest the direction and extent of technological changes that might be considered necessary in order to fulfill these demands in the light of the existing or anticipated resource base of the country. To prepare Technology Impact Statements, with a view to uncovering the likely implications and consequences, both desirable and undesirable, of the existing as well as newly emerging technologies upon society, through generation of future oriented scenarios, their short-term and long-term implications. Based on the T.I.F. & A. Studies and with a view to ensuring timely availability of requisite technologies relevant to the needs of the country on futuristic basis and 	<ul style="list-style-type: none"> TIFAC will evaluate and analyse specific technology options towards decarbonization of transport and energy sectors to support relevant national initiatives. TIFAC has submitted a proposal to MNRE for study on comparative assessment of various technology options for utilization of solar photovoltaic energy in electric mobility. TIFAC with Ministry of Heavy Industries would take up activity to develop a Model-Based Tool for Assisting Policy Making and Planning of Roll Out of Electric Mobility in India. Certificate awarded to women who A new Coordination Centre under WISE IPR Programme has been opened at Assam Science Technology & Environment Council (ASTEC), Guwahati Inclusion of two new breakthrough disruption technologies related to AI screening for oral cancer and AI enabled contactless access system for vital data generation planned under TIFAC's Tele Digital Health Pilot Program A study related to resource assessment and gap identification in the bioenergy sector with MNRE is also planned. Under Tele-Digital Health Pilot Programme total of ~19000 persons have been screened and the test data collected for each of the parameters tested. The tele-digital health care data is proposed to be interlinked with the ABHA (Ayushman Bharat Health Account) for holistic wellness model by integration with existing public healthcare system. Under the Seaweed Programme it has been 	<ul style="list-style-type: none"> Agreement has been signed with DST for project on Review of National Awards for Women's Development through Application of Science & Technology" TIFAC led the preparation of whitepaper on "Power Electronics, Machines and Drives "under DST initiative "Technologies to Address the Hindrances to Electric Mobility". Draft Technology Gap Analysis Reports for following three MSME clusters in and around Chennai prepared and Validation Workshops were held in March 2023: <ul style="list-style-type: none"> Aquaculture Shrimp Cluster, Hatcheries Villupuram, Marakkanam, Villupuram, Tamilnadu Metal Sheet Fabrication and Welding Cluster, Thirumullaivoyal, Tiruvallur, Tamilnadu Plastic Injection Moulding Cluster, Puducherry SAKSHAM portal, developed by TIFAC for mapping skills of Shramiks vis-à-vis requirements of MSME, has been licensed for large scale implementation on self-sustainable / revenue generation model. Secured grant of 9 (nine) Indian Patents on behalf of academic and government R&D

	<p>minimizing the time gap between the development of new technologies and their utilization.</p> <ul style="list-style-type: none"> To generate Technology Forecasting, Technology Assessment, and Market Technology Survey Reports, providing related technology information. Promote key technology relevant to Indian context and evolving suitable mechanism for Demonstrate technology towards commercialization as well as facilitating patent information services. TIFAC continues to strive for development of the country by leveraging technology innovation through sustained and concerted programmes in close association with academia and industry. Establishing a purposeful linkage between technology development and technology import policies, to identify priority areas of research in relation to the socio-economic, environmental and security needs of the country. To evolve and suggest strategies for technological developments based on such priorities; and to 	<p>established that farming of <i>Monostroma</i> sp. under semi-controlled out-door conditions in tanks is technically feasible along the Indian coast.</p> <ul style="list-style-type: none"> TIFAC plans to start Executive Development Programme with theme on Technology Forecasting, Management & Innovation Study proposal on Securing a Food Energy Water (FEW) resilient future in the Ganges Brahmaputra River Basin towards Identifying transition pathways toward a FEW sustainable and resilient future of the GB To study the technical feasibility & economic implication of decarbonizing India's electric power sector, a high-resolution optimization energy modelling tool (Indian Zero Carbon Energy Pathways – IDEEA) would be developed and validated. Co-developing tools and models to analyze such long-term energy pathways in India and assess the role of different sectors and technologies in meeting national targets. Training initiative on advanced demographic modelling methods in partnership with the International Institute for Population Sciences, Mumbai Centre for System Analysis in TIFAC 	<p>Institutions.</p> <ul style="list-style-type: none"> Two booklets released at IISF 2022 held at Bhopal in January 2023: Inventions Protected through Patent Facilitation Programme (PFP) of DST-Creating asset for AnritKaal implemented by TIFAC Indian Heritage Protected through Geographical Indications First membership from NIT Durgapur of ₹10 lakhs received under TIFAC initiative of IP Protection and Commercialisation cell (TIIPC) at institutions A tech exchange portal www.tifactechex.org.in launched by Dr V K Saraswat, Member NITI Aayog on TIFAC Day 10 February 2023. Successfully completed one-year training for 12th Batch which completed in 2022 in all a total of 87 women on International Womens Day event in March 2023. PRIZE MONEY of Rs. 25,000/- awarded on February 10, 2023 to each to all those 116 women from the 11th and the 12th batch of WOS-C who cleared the Patent Agent Examination 2022. The erstwhile Women Scientist Scheme (WOS-C) has been renamed by DST as WISE Internship in IPR (WISE IPR) and sanctioned received from DST in February for training 100 women scientists in the area of IPR and related matters.
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draw up programmes of purposeful research in various sectors.

- In order to fulfill the above objectives, to devise and set up suitable Information Collection, Analysis and Programming groups.

- Collaborated with Office of the Controller General Patents, Designs & Trade Marks (CGPDTM) to utilize potential of women trained under Women Scientists Scheme (WOS-C) in providing IPR Awareness in women colleges across the country.
- A study report titled "*Mapping of technologies for value-addition of seaweeds in India*" have been published by TIFAC.
- Under ATMA project, 3 technologies from IIT Kharagpur, IIT Madras initiated for providing handholding support.
- Workshop conducted with Investigators / Innovators for assessment of technologies jointly hosted with CSIR-CDRI, Lucknow. 12 technologies were assessed in terms of TRL.
- Under Srijan programme, 3 technologies were assessed from start-ups / MSMEs and 1 technology was recommended for providing financial support under Srijan for scaling up.
- World Bank flagship study on Establishment and application of Indo Gangetic Plain -& Air Quality Management Modelling (IGP AQMmod) with CPCB, IIT, NEERI and TIFAC-draft inspection report is being prepared
- Study for Developing an Integrated Model for Analysing Linkages Between India's Water, Land and Energy

						<p>Policies and the Sustainable Development Goals (NEXUS project)</p> <ul style="list-style-type: none">• IIASA and NITI-Aayog along with TIFAC have partnered to develop MESSAGEix modelling framework for NITI Aayog for national energy system and energy policies
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Uma Daral <umadaral@gmail.com>

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Thu, Jun 15, 2023 at 1:04 PM

----- Forwarded message -----

From: **pulak basak** <basakpr@yahoo.com>
Date: Thu, Jun 15, 2023 at 1:02 PM
Subject: Re: Information about Goals/Activities of Autonomous/Professional Bodies
To: Sangeeta Baksi <sangeetabaksi@gmail.com>
Cc: T. Selvan <selvanms@gmail.com>, Brajeshwar Chandelia <brajeshwar@gmail.com>

PFA the inputs.

Pulak Ranjan Basak / पुलक रंजन बसाक
Scientist-G / वैज्ञानिक-जी
Head, TIFAC-SIDBI Technology Innovation Programme (Srijan)
टाइफैक - सिडबी टेक्नोलॉजी इनोवेशन प्रोग्राम (सृजन)
Technology Information, Forecasting & Assessment Council (TIFAC)
प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक)
(An autonomous body under the Department of Science & Technology, Govt. of India)
(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार की स्वायत्तशासी संस्था)
AI Block, Technology Bhavan
ऐ आई ब्लॉक, टेक्नोलॉजी भवन
Shaheed Jeet Singh Marg
शहीद जीत सिंह मार्ग
New Delhi 110016
नई दिल्ली ११००१६
Mob: 9868867179

On Thursday, 15 June, 2023 at 12:46:07 pm IST, Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:

----- Forwarded message -----


From: **Sangeeta Baksi** <sangeetabaksi@gmail.com>
Date: Thu, Jun 8, 2023 at 9:50 AM
Subject: Fwd: Information about Goals/Activities of Autonomous/Professional Bodies
To: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, Yashawant Dev Panwar <yashawantdev@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, nirmala.kaushik <nirmala.kaushik@gmail.com>, uma daral <umadaral@gmail.com>, Nirmala <nkaushik@nic.in>


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2 attachments

 **FORMAI for achievements of goals 2022-23 (IV Quarter).docx**
16K

 **TIFAC Goals and Plan for 2023-24 under PSC (June, 2023).docx**
20K

Sl.No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the IV th quarter for FY 2022-2023
					<p>ATMA: 3 technologies from IIT Kharagpur, IIT Madras initiated for providing handholding support.</p> <p>DSIR: 1 workshop conducted with Investigators / Innovators for assessment of technologies jointly hosted with CSIR-CDRI, Lucknow. 12 technologies were assessed in terms of TRL.</p> <p>Srijan: 3 technologies were assessed from start-ups / MSMEs and 1 technology was recommended for providing financial support under Srijan for scaling up.</p>

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Nirmala <nkaushik@nic.in>

Thu, Jun 15, 2023 at 12:33 PM

To: sangeetabaksi@gmail.com

Cc: drpradeep19 <drpradeep19@gmail.com>, umadaral@gmail.com, renu19bali <renu19bali@gmail.com>

Please find attached herewith inputs in the attached format.

regards,

Nirmala

From: "Nirmala" <nkaushik@nic.in>**To:** "Anil Kumar PK" <pkanil@tifac.org.in>**Sent:** Thursday, June 15, 2023 10:34:33 AM**Subject:** Information about Goals/Activities of Autonomous/Professional Bodies

Please send inputs.

regards,

Nirmala

From: sangeetabaksi@gmail.com**To:** "Technical Cell ED TIFAC" <ed.technicalcell@tifac.org.in>, "Pradeep Srivastava" <ed@tifac.org.in>, "goswamig tifac" <goswamig.tifac@gmail.com>, basakpr@yahoo.com, arghyas@gmail.com, yashawantdev@gmail.com, "mukesh tifac" <mukesh.tifac@gmail.com>, "nirmala kaushik" <nirmala.kaushik@gmail.com>, umadaral@gmail.com, "Nirmala" <nkaushik@nic.in>**Sent:** Thursday, June 8, 2023 9:50:53 AM**Subject:** Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

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**Achievements & Goals 23-24.docx**

17K

TIFAC

Bioprocess Division

Activities planned to be achieved during 2023-2024

- Inclusion of two new breakthrough disruption technologies related to AI screening for oral cancer and AI enabled contactless access system for vital data generation under TIFAC's Tele Digital Health Pilot Program
- A study related to resource assessment and gap identification in the bioenergy sector with MNRE.
- Demonstration of Seaweed Cultivation at three different places of India

Achievements during the IVth quarter for FY 2022-2023

- **Tele-Digital Health Pilot Programme**

TIFAC as part of its continuous efforts to bring new technologies for the benefit of the Society, has launched a tele-digital health pilot demonstration project, as an initiative towards Swasth Bharat, in collaboration with IIT M Pravatark Technologies Foundation and C DAC- Mohali is ongoing. The project envisages assessment of sensor based technologies for providing tele-diagnostic services - first time in India- through generation of health data in the form of Electronic Health Record (EHR). A total of more than ~30986 persons have been screened and the total number of tests conducted are 71309 /- by the Centres so far. The test data collected for each of the parameters tested by Outreach Academic Partners viz.BHU- Varanasi Centre screened ~ 11876 persons; DDUGU-Gorakhpur, screened ~14900 persons and NIT Manipur screened ~4210.

Oral Cancer is the 6th most common cancer in the world and claims more than 10 lives every hour in India alone. The most effective way to control oral cancer is to combine early detection and appropriate treatment. With this in view, two new initiatives related to AI for screening for oral cancer and AI enabled contactless access system for vital data generation is being incorporated in the project.

Promotion & Scaling Up Cultivation Process for Different Seaweeds

It has been established that farming of *Monostruma* sp. under semi-controlled out-door conditions in tanks is technically feasible along the Indian coast. *Gracilaria dura* propagules prepared through clonal propagation reached 4-5 cm, apt for out planting in open sea in three months crop cycle. The current cycle is of 25,000 propagules per batch.

- A study report titled "*Mapping of technologies for value-addition of seaweeds in India*" has been published by TIFAC.

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>


Wed, Jun 14, 2023 at 10:43 AM

- Agreement has been signed with DST for the project on Review of National Awards for Women's Development through Application of Science & Technology"

[Quoted text hidden]

2 attachments

 **FORMAT.docx**
16K

 **TIFAC Goals and Plan for 2023-24 under PSC (Feb 16, 2023).docx**
20K

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Yashawant Dev Panwar <yashawantdev@gmail.com>

Tue, Jun 13, 2023 at 12:16 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>, Sangeeta Nagar <sangeetanagar2005@gmail.com>, Dipti Sachdeva <dipitiipr@gmail.com>

Cc: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, uma daral <umadaral@gmail.com>

Dear Ms Baksi,

Please find inputs from IPR related activities towards Information about Goals/Activities of Autonomous/Professional Bodies.

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डॉ. यशवंत देव पंवार/Dr. Yashawant Dev Panwar

वैज्ञानिक - ऍफ़ एवं प्रमुख आईपीआर विभाग/Scientist F and Head IPR Division

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) / Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग, भारत सरकार)/(Department of Science & Technology, Govt. of India)

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फ़ोन /Phone 011- 42525806

Email: yashawant@tifac.org.in

On Thu, Jun 8, 2023 at 9:49 AM Sangeeta Baksi <sangeetabaksi@gmail.com> wrote:

[Quoted text hidden]

**TIFAC Goals and Plan for 2023-24 under PSC (June 13, 2023) IPR Division input.docx**

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S. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during 2023-2024	Achievements during the IVth quarter for FY 2022-2023
1	Technology Information Forecasting and Assessment Council (TIFAC), Delhi.	Technology Forecasting, Technology Assessment, and preparation of Technology Market Survey Reports. Promotion of key technologies of relevance to India.	<ul style="list-style-type: none"> Promote key technology relevant to Indian context and evolving suitable mechanism for Demonstrate technology towards commercialization as well as facilitating patent information management services. Capacity building on IPR and technology Transfer 	<ul style="list-style-type: none"> Under DST's Patent Facilitation Program PFP, it has been planned to facilitate filing of about 60 to 100 new patent application and securing grant of about 30 patents. Two advanced training programs on IPR and Technology of 2 week each and 4-5 awareness workshops planned for North Eastern States. Commencement and completion of 13th Batch of WISE KIRAN by providing one year training on IPR to Women Scientists (about 100). To evolve Technology Exchange platform, portal for facilitation of IP/Patent Licensing and Technology Transfer As a revenue generation effort, TIFAC plans to conduct two courses on IP and Technology Transfer, one certificate course of six month and one-year PG Diploma with different universities. IP and Technology Transfer Services to technical institutions in revenue generation mode. 	<ul style="list-style-type: none"> Secured grant of 9 (nine) Indian Patents on behalf of academic and government R&D Institutions. Two booklets released at IISF 2022 held at Bhopal in January 2023: <ol style="list-style-type: none"> Inventions Protected through Patent Facilitation Programme (PFP) of DST-Creating asset for AmritKaal implemented by TIFAC Indian Heritage Protected through Geographical Indications First membership from NIT Durgapur of ₹10 lakhs received under TIFAC initiative of IP Protection and Commercialisation cell (TIPPC) at institutions A tech exchange portal www.tifactechex.org.in launched by Dr V K Saraswat, Member NITI Aayog on TIFAC Day 10 February 2023. Certificate awarded by Secretary DST on International Womens

				<p>Day event in March 2023 to women who successfully completed one-year training for 12th Batch which completed in 2022 in all a total of 87 women.</p> <ul style="list-style-type: none"> • PRIZE MONEY of Rs. 25,000/- awarded on February 10, 2023 to each to all these 116 women from the 11th and the 12th batch of WOS-C who cleared the Parent Agent Examination 2022, it was graced by Dr V K Saraswat, Member NITI Aayog, Prof Pradeep Srivastava, ED TIFAC and Dr. T G Sitaram, Chairman AICTE. • The erstwhile Women Scientist Scheme (WOS-C) has been renamed by DST as WISE Internship in IPR (WISE IPR) and sanctioned received from DST in February for training 100 women scientists in the area of IPR and related matters. • Collaborated with The Office of the Controller General Patents, Designs & Trade Marks (CGPDTM) to utilise the potential of women trained under Women Scientists Scheme (WOS-C) in providing IPR Awareness in women colleges across the country under and reached
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					<ul style="list-style-type: none">• out to about 90,000 women with the knowledge of IPR online.• A new Coordination Centre under WISE IPR Programme has been opened at Assam Science Technology & Environment Council (ASTEC), Guwahati
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Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Tue, Jun 13, 2023 at 12:11 PM

----- Forwarded message -----

From: **Mukesh Mathur TIFAC** <mukesh.tifac@gmail.com>

Date: Tue, 13 Jun 2023, 12:07

Subject: Re: Information about Goals/Activities of Autonomous/Professional Bodies


To: Sangeeta Baksi <sangeetabaksi@gmail.com>, Resource Cell, TIFAC <resourcecell@tifac.org.in>

Cc: Deepak Kumar <deepakumar844@gmail.com>, Manish Kumar <manishkumar2k3@gmail.com>, rahul singh <rahul9731@yahoo.co.in>

MSME programme inputs attached.

Mukesh Mathur

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 **MSME Inputs on PSC Yearly Plan 2023-24 and Quarterly Inputs Jan-March 2023.docx**

17K

MSME programme Inputs on Activities planned during FY 2023-2024 & Achievements during the January – March 2023
(for Parliament Standing Committee (PSC) top 10 goals of AIs with activities planned for the next FY and quarterly progress)

Sl.No	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the IV th quarter for FY 2022-2023
				<ul style="list-style-type: none"> Technology Gaps to be identified and intervention plans to be prepared for about 10 MSME clusters all across the country. Decarbonization roadmap for select MSME clusters to be prepared and necessary handholding support to be provided towards their implementation. SAKSHAM portal developed by TIFAC for mapping the skills of Shramiks vis-a-vis requirements of MSME and other industries to be scaled up for large scale implementation. It would become self-sustainable. 	<ol style="list-style-type: none"> Draft Technology Gap Analysis Reports for following three MSME clusters in and around Chennai have been prepared and Validation Workshops were held: - <ol style="list-style-type: none"> Aquaculture Shrimp Hatcheries Cluster, Marakkanam, Villupuram, Tamilnadu: - dated 13th March, 2023 Metal Sheet Fabrication and Welding Cluster, Thirumullaivoyal, Tiruvallur, Tamilnadu: - dated 14th March, 2023 Plastic Injection Moulding Cluster, Puducherry: - dated 15th March, 2023 SAKSHAM portal developed by TIFAC for mapping the skills of Shramiks vis-a-vis requirements of MSME and other industries has been licensed for large scale implementation on self-sustainable / revenue generation model.

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Arghya Sardar <arghyas@gmail.com>

Fri, Jun 9, 2023 at 5:03 PM

To: Sangeeta Baksi <sangeetabaksi@gmail.com>

Cc: Mukti Trivedi <mukti.trivedi@gmail.com>, Uma Daral <umadaral@gmail.com>

Dear Sangeeta,

Please find attached inputs from the Energy and Transport division.

With regards,

Arghya

[Quoted text hidden]

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Arghya Sardar

Head, Energy and Transport

Technology Information, Forecasting & Assessment Council (TIFAC)

5th Floor, AI Block, Technology Bhawan

New Mehrauli Road, New Delhi - 110 016, India

Phone: +91-11-26511237

Email: arhyas@gmail.com/ arghya@tifac.org.in

 **TIFAC Goals and Plan for 2023-24 under PSC (June, 2023)-EnergyTransport.docx**

17K

S. No.	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during 2023-2024
1	<p>Technology Information Forecasting and Assessment Council (TIFAC), Delhi.</p>			<ul style="list-style-type: none"> • TIFAC will evaluate and analyse specific technology options towards decarbonization of the transport and energy sectors and put efforts towards nucleating technology development efforts in such areas to support relevant national initiatives. • TIFAC has submitted a proposal to MNRE for a study on the comparative assessment of various technology options for utilization of solar photovoltaic energy in electric mobility. The study will assess technology maturity levels, techno-economics, resource potential considering real life scenarios etc. • TIFAC is under discussion with the Ministry of Heavy Industries to take up an activity to develop a Model-Based Tool for Assisting Policy Making and Planning of Roll Out of Electric Mobility in India. The tool will also be able to analyze the scenarios under various constraints such as the installed production capacity of vehicles as well as the production/ supply of key components. Following are the major activities planned for the development of unique integrated model-based policy tool for planning of electric mobility systems. <ul style="list-style-type: none"> (i) comprehensive assessment possible future penetration of various categories of electric vehicles under various policy scenarios, and (ii) Requirement of ecosystem such as charging infrastructure (iii) Demand for key components such as battery and motors (iv) Demand for critical raw materials. • TIFAC led the preparation of a whitepaper on “Power Electronics, Machines and Drives “under the DST initiative “Technologies to Address the Hindrances to Electric Mobility”. TIFAC will further interact with stakeholders to work out details of an Innovation Cluster on Power Electronics and Electric Machines.

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>

Thu, Jun 8, 2023 at 9:50 AM

To: Technical Cell ED TIFAC <ed.technicalcell@tifac.org.in>, Dr Pradeep Srivastava <ed@tifac.org.in>, GAUTAM GOSWAMI <goswamig.tifac@gmail.com>, Basak Pulak Ranjan <basakpr@yahoo.com>, Arghya Sardar <arghyas@gmail.com>, Yashawant Dev Panwar <yashawantdev@gmail.com>, mukesh tifac <mukesh.tifac@gmail.com>, "nirmala.kaushik" <nirmala.kaushik@gmail.com>, uma daral <umadaral@gmail.com>, Nirmala <nkaushik@nic.in>

Dear All

Pl send inputs for the IV quarter for the achievements in TIFAC in the format as attached. The earlier inputs sent to DST are enclosed for your reference so that there is no duplication of the inputs sent earlier.

Regards

Sangeeta

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2 attachments**FORMAT.docx**

16K

**TIFAC Goals and Plan for 2023-24 under PSC (Feb 16, 2023).docx**

20K



Uma Daral <umadaral@gmail.com>

Fwd: Information about Goals/Activities of Autonomous/Professional Bodies

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: uma daral <umadaral@gmail.com>

Wed, Jun 7, 2023 at 5:50 PM

----- Forwarded message -----

From: Pradeep Srivastava <ed@tifac.org.in>
Date: Wed, Jun 7, 2023 at 5:47 PM
Subject: Fwd: Information about Goals/Activities of Autonomous/Professional Bodies
To: In-charge (Fin. & Admn.) <registrar.tifac@nic.in>, sangeeta baksi <sangeetabaksi@gmail.com>

From: "DHRUBAJYOTI MANDAL" <dmandal.88@gov.in>
To: director@aripune.org, directoraries@aries.res.in, director@bsip.res.in, director@jcbose.ac.in, director@cens.res.in, director@iacs.res.in, diriaa@iiap.res.in, "IIG DIRECTOR" <iig.director@iigm.res.in>, "Director IASST" <dir.iasst@nic.in>, director@iigs.iigm.res.in, director@inst.ac.in, "Director ARCI" <director@arci.res.in>, president@jncasr.ac.in, ao@jncasr.ac.in, director@rri.res.in, director@sctimst.ac.in, director@bose.res.in, director@wihg.res.in, vipin@nifindia.org, "Pradeep Srivastava" <ed@tifac.org.in>, "dg nectar" <dg.nectar@nectar.org.in>, director@vigyanprasar.gov.in, president@ias.ac.in, president@inae.in, "president insa" <president.insa@gmail.com>, "Atul Kumar" <es.sciencecongress@nic.in>, "nasi allahabad" <nasi.allahabad@gmail.com>, "Director Serb" <director@serb.gov.in>, "Dr Akhilesh Gupta" <secretary.serb@nic.in>, balrambhargava@gmail.com
Cc: "Manoranjan" <mohantym@nic.in>, "Dr Usha Dixit" <usha.dixit@nic.in>
Sent: Wednesday, June 7, 2023 4:29:29 PM
Subject: Information about Goals/Activities of Autonomous/Professional Bodies

Sir/Madam,

As you are aware that in the recent past while approving the Budget the Parliament Standing Committee (PSC) has sought top 10 goals of the Autonomous /Professional Bodies along with future plans and activities planned for the next financial year and asked to evolve a mechanism to monitor the activities planned on quarterly basis. Accordingly, the Autonomous Bodies (ABs) have to submit the requisite information on quarterly basis. As the current financial year is getting over, the Activities planned for the forthcoming financial year 2023-24, has to be submitted to the PSC, too.

We understand that a suitable mechanism had already put in place by ABs to evaluate the progress made on the selected Goals/Activities planned for current financial year. However, so far for the IV Quarter (for financial year 2022-23) the information has not been received by AI division. It is therefore, requested to submit the achievements w.r.t. the respective Goals/Activities planned for IVth quarter by 14.06.2023 along-with the top 10 Goals/activities planned for the next financial year 2023-24.

It will be appreciated if the above information is submitted latest by 14.06.2023 strictly as per the format (enclosed).

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With Regards
Dr. Dhruvajyoti Mandal
Scientist-C
Autonomous Institute Division
(Room No.232, New Building)
Department of Science & Technology
Ministry of Science & Technology, Gol
Technology Bhavan, New Delhi-110016
Email: dmandal.88@gov.in


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Azadi Ka
Amrit Mahotsav


भारत 2023 INDIA

वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

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Prof Pradeep Srivastava, Phd, FIE
Executive Director,
Technology Information Forecasting and Assessment Council,
AI Building, V th Floor,
Technology Bhawan,
New Mehrauli Road, New Delhi - 110016
011-26511227,26511245(D)

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संगीता बक्सी/Sangeeta Baksi
वैज्ञानिक /Scientist

प्रमुख रिसोर्स विभाग /Head-Resource Cell

प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक) /

Technology Information, Forecasting & Assessment Council (TIFAC)

(विज्ञान तथा प्रौद्योगिकी विभाग , भारत सरकार)/(Department of Science & Technology, Govt. of India)

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फ़ोन /Phone 011- 42525777

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Sl.No	Name of the Autonomous Body	Mandate of the Institute	Top 10 Goals of the Institute	Activities planned to be achieved during FY 2023-2024	Achievements during the IV th quarter for FY 2022-2023

Fwd: Lok Sabha Starred Question Dy.No.8984 for 22.3.2023

Sangeeta Baksi <sangeetabaksi@gmail.com>
To: jyoti saklani <sakjyoti@gmail.com>

Thu, May 18, 2023 at 11:30 AM

----- Forwarded message -----

From: **Sangeeta Baksi** <sangeetabaksi@gmail.com>
Date: Fri, Mar 17, 2023 at 3:05 PM
Subject: Fwd: Lok Sabha Starred Question Dy.No.8984 for 22.3.2023
To: <sunita@meity.gov.in>

Dear Dr Verma

PFA the inputs from TIFAC for the subject LS question. These are being sent with the approval of competent authority.

Regards

Sangeeta

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2 attachments

 **LS starred Qs Dy. No.8984 -regarding -opportunity in Techonology Sector-17.03.2023.docx**
17K

 **LS starred Qs Dy. No.8984 -regarding -opportunity in Techonolog.pdf**
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