



सी एस आई आर-केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR - CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सी०एस०आई०आर० का एक संघटक संस्थापन, भारत सरकार) (A Constituent Establishment of CSIR, Govt. of India)
महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 14.06.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Sh. Sridhar K, Section Officer, HR II Lab Admin, CSIR HQ

Subject : Details sought by Rajya Sabha Secretariat – reg.

Sir,

With reference to CSIR email dated 14.06.2022 on the subject cited above, I am directed to forward herewith the requisite information in connection with the Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change under the Chairmanship of Shri Jairam Ramesh MP (Rajya Sabha) in enclosed excel sheet.

Yours Sincerely,

(S. Majumdar)
Administrative Officer

Encl : As stated above

Details for submission to Parliamentary Standing Committee on S&T, Environment, Forests and Climate Change

Sl. No.	Name of the Organisations	Address of the HQ	Name, Email ID and Contact details (Office Phone/ Mobile) of the Head of Organisation	Brief Description of main activities of the institutes	
1	CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (CSIR-CMERI)	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110 001	Dr. (Mrs). Suman Kumari Mishra Email ID: director@cmeri.res.in, Contact: 0343-2546749 9434022951	Vision:	To be a global R&D institute having confidence of industries and visibility to society in mechanical engineering sciences and technologies
				Mission:	<ul style="list-style-type: none"> To research and develop cost effective and value added technologies in mechanical engineering and allied domains. Contribute significantly to national skill development initiatives for sustainable empowerment.
				Mandate:	<ul style="list-style-type: none"> Carrying out research and development in relevant areas of national priority as evolved by bodies concerned with the overall planning for science and technology in the country. Undertaking R&D sponsored by public/ private sector industries in consonance with national priorities. Undertaking R&D directed towards continuous improvement of indigenous technology. Undertaking R&D for evolving new technologies relevant to the country's social, economic and industrial needs in keeping with national objective of self-reliance. Undertaking R&D on appropriate and alternate technologies, with emphasis on the use of local resources. Ensuring continuous flow of finance and resources through extension of R&D services for fostering basic research at the institutional level. Undertaking activities focused towards fast translation of laboratory level technologies to commercial entities through proper nurturing and marketing.

12/06/2022

Sangeet Kumar
14/06/22



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CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

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दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 11.07.2022

To

The Joint Secretary (Admn.)

Council of Scientific & Industrial Research

Anushandhan Bhawan,

2, Rafi Marg, New Delhi – 110 001

Kind Attention : Sh. Sridhar K, Section Officer, HR II Lab Admin, CSIR HQ

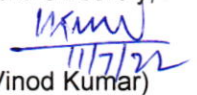
Subject : LOK SABHA UNSTARRED QUESTION - Information regarding number of minority candidates recruited by Central Government – regarding

Sir,

With reference to your email dated 11.07.2022 on the subject cited above, I am directed to forward herewith the required information against the Lok Sabha Unstarred Question No.4372 pertaining to CSIR - CMERI, Durgapur.

The required information is enclosed herewith for your kind information and necessary action at your end.

Yours Sincerely,


11/7/22

(Vinod Kumar)
Controller of Administration

Encl: As stated above

PERFORMA

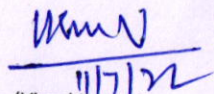
Ministry of Scientific & Technology Department of Scientific Industrial Research

Council of Scientific and Industrial Research, New Delhi

Lok Sabha unstarred Question No. 4372

Subject: Information regarding number of minority candidates recruited by Central Government in the year 2021-2022-reg.

CSIR-Lab/Institutes	Group A		Group B		Group C		Total A+B+C	
	Total no.of vacancies during the period	Minorities Selected during the period	Total no.of vacancies during the period	Minorities Selected during the period	Total no.of vacancies during the period	Minorities Selected during the period	Total no.of vacancies during the period	Minorities Selected during the period
CSIR-Central Mechanical Engineering Research Institute, Durgapur	13	0	12	0	10	1	35	1
Total	13	0	12	0	10	1	35	1


(Vinod Kumar)
Controller of Administration



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CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

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दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



No. 5/84/88-Rct Vol. II

CSIR-CMERI

Date: 14.07.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Dr. Mayank Mathur, Principal Scientist, Central Planning Directorate, CSIR

Subject : Parliament Matter Urgent: Provisionally admitted Lok Sabha Question Dy. No. 1265 due for reply on 20/07/2022 regarding "AI In Agriculture".

Sir,

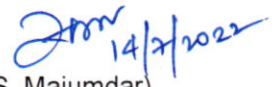
With reference to your email dated 13.07.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Lok Sabha Question Dy. No. 1265 pertaining to CSIR - CMERI, Durgapur

The detail of the ongoing projects funded by CSIR in the field of biotechnology, Nanotechnology/ Robotics and Artificial Intelligence in Agriculture, health and manufacturing sector are listed below

Sl No	Project Name	Project No	Allocated Budget(Rs in Lakhs)	Date of Start	Date of Completion
1	AI Based methodology for grading machine Harvested tea leaves	MLP 231512	168.9	17-07-2020	31-03-2023
2	Development of actuated exoskeleton based rehabilitation device for human hand	HCP-0026	79.92	05-06-2020	31-03-2023

This is for your kind information and necessary action at your end.

Yours Sincerely,


(S. Majumdar)
Administrative Officer



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
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दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 19.07.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Shri Mitul Gupta, Section Officer, HR-II, CSIR Hqrs

Subject: Parliament Matter Urgent: RS Question Diary No. U1828: Active women scientists in the country– reg.

Sir,

With reference to your email dated 19.07.2022 on the subject cited above, I am directed to forward herewith the required information in the prescribed format in connection with the Rajya Sabha Question Dy. No. U1828 pertaining to CSIR - CMERI, Durgapur which is attached herewith.

This is for your kind information and necessary action at your end.

Yours Sincerely,

(Vinod Kumar)

Controller of Administration

Enclo: As stated above

PROVISIONALY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U1828

The Question Will be put down for -- 28/07/2022

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

Active women scientists in the country

Requested Information

Name of the Laboratory			
S.No.	31 st December 20--	Number of Active Women Scientist	Total Number of Scientist
1.	<u>2017</u>	<u>09</u>	<u>118</u>
2.	<u>2018</u>	<u>08</u>	<u>110</u>
3.	<u>2019</u>	<u>09</u>	<u>117</u>
4.	<u>2020</u>	<u>08</u>	<u>113</u>
5.	<u>2021</u>	<u>08</u>	<u>116</u>
6.	<u>2022 (As on 19.07.2022)</u>	<u>07</u>	<u>114</u>

Vinod
19/7/22

(Vinod Kumar)

Controller of Administration



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
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महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 25.07.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Section Officer, HR-II Lab Admin, CSIR

Subject: Parliament Matter Urgent: PARLIAMENT QUESTION - Lok Sabha Diary No. 8470, "Scientist Manpower data"- regarding.

Sir,

With reference to your email dated 25.07.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Lok Sabha Diary No. 8470 pertaining to CSIR - CMERI, Durgapur

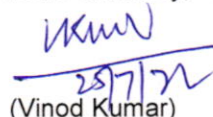
Lok Sabha Unstarred Question Dy no. 8470 (Information as on date)

Name of the Lab/ Institute: CSIR-Central Mechanical Engineering Research Institute

No. of Scientist Post Sanctioned in the Lab	No. of Scientist Working in the Lab	No. of Scientist post lying vacant
150	114	36

This is for your kind information and necessary action at your end.

Yours Sincerely,


(Vinod Kumar)

Controller of Administration



No. 5/84/88-Rct Vol. II

Date: 25.07.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi - 110 001

Kind Attention : Dr. Mayank Mathur, Sr. Principal Scientist, Central Planning Directorate, CSIR

Subject - Rajya Sabha Question Dy. No. U2643 reg. "Development of startups in the field of science and technology" reply on 04.08.2022- reg.

Sir,

With reference to your email dated 22.07.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Question Dy. No. U2643 pertaining to CSIR - CMERI, Durgapur

a) details of development of startups in the field of the science and technology by Government;

Reply : There is no such development of startups existing in CSIR-CMERI at present in the field of the science and technology.

(b) details of the status at which such startups are at present; and

Reply : Not Applicable.

(c) total funds spent/invested in startup development in this regard over the last five years?

Reply : Not Applicable.

This is for your kind information and necessary action at your end.

Yours faithfully,

(Vinod Kumar)

Controller of Administration



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
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Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 25.07.2022

To

The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention: Ms. Vandana Digvijay Singh, Under Secretary, International Science & Technology Affairs Directorate (ISTAD), CSIR Hqtrs, New Delhi

Subject: Parliament Matter Urgent: Parliament Question for Rajya Sabha Starred /Unstarred Diary no S 3321-REG, "Expenditure on Government Officers visits abroad" – regarding.

Sir,

With reference to your email dated 25.07.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Starred /Unstarred Diary no S 3321-REG pertaining to CSIR - CMERI, Durgapur. The relevant information is attached herewith.

This is for your kind information and necessary action at your end.

Yours Sincerely,

(Signature)
26/7/22

(Vinod Kumar)

Controller of Administration

Enclo: As stated above



सीएसआईआर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान

CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् / Council of Scientific and Industrial Research)

महात्मा गाँधी एवेन्यू / Mahatma Gandhi Avenue, दुर्गापुर / Durgapur-713209 (प. बंगाल / WB)

Date : 26.07.2022

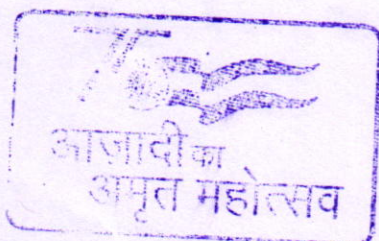
Sub : Parliament Question for Rajya Sabha Starred / Unstarred Diary no S 3321-REG,"
Expenditure on Government Officers Visits abroad" – reg.

Name of Ministry	Name of Department	Officers sent abroad during last five years (from FY 2017 -18 to 2021-22) for				
		Training	Workshops	conference	Studies / Fellowship	Other meeting
Ministry of Science and Technology	Central Mechanical Engineering Research Institute					
Number of Officers	-----	25	02	16	04	Nil
Expenditure (in Rs.)	-----	3337372	60770	682870	2094010	-----

(Signature)
26/7/22

(विनोद कुमार/Vinod Kumar)

प्रशासक नियंत्रक / Controller of Administration





सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
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महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 29.07.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi - 110 001

Kind Attention : Dr. Mayank Mathur, Senior Principal Scientist, Central Planning Directorate, CSIR

Subject : Parliament Matter Urgent: Inputs requested for Unstarred Lok Sabha Question No. 2816 on "Research Facilities to Young Scientists".

Sir,

With reference to your email dated 28.07.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Unstarred Lok Sabha Question No. 2816 on "Research Facilities to Young Scientists" pertaining to CSIR - CMERI, Durgapur. The relevant information is attached herewith.

This is for your kind information and necessary action at your end.

Yours Sincerely,

(Vinod Kumar)

Controller of Administration

Enclo: As stated above

**Details of Young scientists (Upto Principal Scientists) working at CSIR Laboratories/
Institutions including CSIR Hqrs. during the last three years and the current year (Till Date)**

Lab./Instt.- CSIR-Central Mechanical Engineering Research Institute

Details of Young Scientist who are not more than 35 years of age as on 31.12.2019

SI No.	Name	Designation
1	Shri Hanumath Prasad Ikkurti	Principal Scientist
2	Shri Ajay Yadav	Senior Scientist
3	Shri Amit Kumar	Senior Scientist
4	Dr. Prosenjit Das	Senior Scientist
5	Shri. Phani Kumar Mallisetty	Senior Scientist
6	Shri Srinivasa Reddy N	Senior Scientist
7	Shri Sumit Kumar	Senior Scientist
8	Dr. Ravi Kumar Arun	Senior Scientist
9	Shri Avinash Kumar Yadav	Senior Scientist
10	Shri Dilpreet Singh	Senior Scientist
11	Dr. Nasir Ul Rasheed Rather	Senior Scientist
12	Shri Manidipto Mukherjee	Senior Scientist
13	Shri Abhishek Kumar	Senior Scientist
14	Shri Chidambaram S	Senior Scientist
15	Shri Aman Arora	Senior Scientist
16	Shri Soumen Mandal	Senior Scientist
17	Shri Saikat Kumar Shome	Senior Scientist
18	Mohd. Afroz Akhtar	Senior Scientist
19	Shri Anirudh Kumar	Senior Scientist
20	Dr.(Ms) Shikha	Scientist
21	Sh. Ved Prakash	Scientist
22	Sh.. Partha Sarathi Pal	Scientist
23	Sh. Vibin V	Scientist
24	Dr. Shitanshu Shekhar Chakraborty	Scientist
25	Sh. Nitish Kumar	Scientist
26	Sh. Partha Das	Scientist
27	Sh. Moloy Narayan Das	Scientist
28	Sh. Shubho Samanta	Scientist
29	Sh. Sourav Mondal	Scientist
30	Dr. Manivannan R	Scientist
31	Dr.(Ms) Ishita Sarkar	Scientist
32	Shri Sanjay Hansdah	Scientist
33	Shri Chandrasekar E	Scientist

Details of Young Scientist who are not more than 35 years of age as on 31.12.2020

SI No.	Name	Designation
1	Shri Hanumath Prasad Ikkurti	Principal Scientist
2	Dr. Prosenjit Das	Principal Scientist
3	Shri Amit Kumar	Principal Scientist
4	Shri Phani Kumar Mallisetty	Senior Scientist
5	Shri Srinivasa Reddy N	Senior Scientist

mmw

SI No.	Name	Designation
6	Shri Sumit Kumar	Senior Scientist
7	Shri Avinash Kumar Yadav	Senior Scientist
8	Shri Dilpreet Singh	Senior Scientist
9	Dr. Nasir Ul Rasheed Rather	Senior Scientist
10	Shri Manidipto Mukherjee	Senior Scientist
11	Shri Abhishek Kumar	Senior Scientist
12	Shri Aman Arora	Senior Scientist
13	Shri Soumen Mandal	Senior Scientist
14	Dr Saikat Kumar Shome	Senior Scientist
15	Dr.Mohd. Afroz Akhtar	Senior Scientist
16	Muhammad Imran Shekh	Senior Scientist
17	Shri Shrikant Madhukar Deshmukh	Senior Scientist
18	Dr.(Ms.) Shikha	Scientist
19	Sh. Ved Prakash	Scientist
20	Sh. Partha Sarathi Pal	Scientist
21	Sh. Vibin V	Scientist
22	Dr. Shitanshu Shekhar Chakraborty	Scientist
23	Sh. Nitish Kumar	Scientist
24	Sh. Partha Das	Scientist
25	Sh. Moloy Narayan Das	Scientist
26	Sh. Shubho Samanta	Scientist
27	Dr. Manivannan R	Scientist
28	Dr.(Ms) Ishita Sarkar	Scientist
29	Shri Sanjay Hansdah	Scientist
30	Shri Chandrasekar E	Scientist

Details of Young Scientist who are not more than 35 years of age as on 31.12.2021

SI No.	Name	Designation
1	Dr. Prosenjit Das	Principal Scientist
2	Dr. Amit Kumar	Principal Scientist
3	Dr. Phani Kumar Mallisetty	Principal Scientist
4	Dr. Srinivasa Reddy N	Senior Scientist
5	Shri Sumit Kumar	Senior Scientist
6	Shri Avinash Kumar Yadav	Senior Scientist
7	Dr. Dilpreet Singh	Senior Scientist
8	Shri Abhishek Kumar	Senior Scientist
9	Dr. Soumen Mandal	Senior Scientist
10	Dr Saikat Kumar Shome	Senior Scientist
11	Dr.Mohd. Afroz Akhtar	Senior Scientist
12	Muhammad Imran Shekh	Senior Scientist
13	Shri Shrikant Madhukar Deshmukh	Senior Scientist
14	Shri Deevesh Sharma	Senior Scientist
15	Shri Balaji Chandrakanth	Senior Scientist
16	Sh. Ved Prakash	Scientist
17	Sh. Vibin V	Scientist
18	Sh. Nitish Kumar	Scientist
19	Sh. Partha Das	Scientist
20	Sh. Moloy Narayan Das	Scientist
21	Sh. Shubho Samanta	Scientist
22	Dr. Manivannan R	Scientist

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SI No.	Name	Designation
23	Dr.(Ms) Ishita Sarkar	Scientist
24	Shri Sanjay Hansdah	Scientist
25	Shri Chandrasekar E	Scientist
26	Shri Kapil Arvind Kulkarni	Scientist
27	Ms. Ekta Chaturvedi	Scientist
28	Shri Chanchal Gupta	Scientist
29	Shri Kulbhusan Samal	Scientist
30	Shri Raghu Selvaraj	Scientist
31	Shri Shivam Kumar	Scientist

Details of Young Scientist who are not more than 35 years of age as on date i.e. 29.07.2022

SI No.	Name	Designation
1	Dr. Phani Kumar Mallisetty	Principal Scientist
2	Dr Saikat Kumar Shome	Principal Scientist
3	Shri Avinash Kumar Yadav	Senior Scientist
4	Shri Abhishek Kumar	Senior Scientist
5	Dr. Soumen Mandal	Senior Scientist
6	Dr.Mohd. Afroz Akhtar	Senior Scientist
7	Muhammad Imran Shekh	Senior Scientist
8	Shri Shrikant Madhukar Deshmukh	Senior Scientist
9	Shri Deevesh Sharma	Senior Scientist
10	Shri Balaji Chandrakanth	Senior Scientist
11	Sh. Partha Das	Senior Scientist
12	Dr. Ved Prakash	Senior Scientist
13	Sh. Vibin V	Scientist
14	Sh. Nitish Kumar	Scientist
15	Sh. Moloy Narayan Das	Scientist
16	Dr. Manivannan R	Scientist
17	Dr.(Ms) Ishita Sarkar	Scientist
18	Shri Sanjay Hansdah	Scientist
19	Shri Chandrasekar E	Scientist
20	Shri Kapil Arvind Kulkarni	Scientist
21	Dr. Ekta Chaturvedi	Scientist
22	Shri Chanchal Gupta	Scientist
23	Shri Kulbhusan Samal	Scientist
24	Shri Raghu Selvaraj	Scientist
25	Shri Shivam Kumar	Scientist

Vinod Kumar
29/7/22

Vinod Kumar
Controller of Administration

No. 5/84/88-Rct Vol. II

Date: 22.12.2022

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Section Officer, HR-II Section, CSIR Hqrs

Subject - Provisionally admitted Question for the Rajya Sabha Dy No -U3033 on Faculty-wise enrollment of women in science and technology- req.

Sir,

With reference to CSIR email dated 22.12.2022 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Dy No -U3033 on Faculty-wise enrollment of women in science and technology pertaining to CSIR - CMERI, Durgapur.

- a) faculty-wise enrollment of women in science and technology in last five years, Department and Institute-wise; and

Reply: "Faculty- wise enrollment of Women in Science & Technology" who are involved in AcSIR activities in last five years:

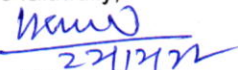
- 1) Dr. Poulomi Roy
- 2) Dr. Arpita Mukherjee
- 3) Mrs. Sarbari Datta
- 4) Dr. Sikha (till 2020)
- 5) Dr. Sarita Ghosh (till 2022)

- (b) Full time equivalent of women employed in-house R & D establishments as on date including MSMEs?

Reply: 11(Eleven) Nos. of women employed in house R&D establishments at CSIR-CMERI as on date.

This is for your kind information and needful at your end.

Yours faithfully,



(Vinod Kumar)

Controller of Administration



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE
(सी.एस.आई.आर. का एक संघटक संस्थापन, भारत सरकार) (A Constituent Establishment of CSIR, Govt. Of India)
महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 31.01.2023

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Mr. Prasad Bhukya, Senior Scientist, CSIR Hqrs

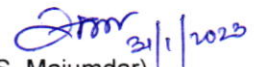
Sub. : Provisionally admitted Rajya Sabha Parliament Question Diary No. U1152 on
"Socially useful technologies and products developed by CSIR" due for reply on 9/2/2023

Sir,

With reference to CSIR email dated 28.01.2023 & 31.01.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with Provisionally Admitted the Rajya Sabha Question Dy No –U1152 on Socially useful technologies and products developed by CSIR-CMERI, Durgapur in the attached separate sheet.

This is for your kind information and needful at your end.

Yours Sincerely,


(S. Majumdar)
Administrative Officer

Encl. As stated.

CSIR-Central Mechanical Engineering Research Institute
Durgapur-713209

Dated :31/01/2023

Sub : Rajya Sabha Parliament Question Diary No.U1152 on 'Socially useful technologies and products developed by CSIR'.

Ref.: Email dated 31/01/2023

With reference to the above, please find below the requisite information as desired pertaining to CSIR-CMERI, Durgapur.

- (a) Whether it is a fact that the Council of Scientific & Industrial Research has developed a number of socially useful technologies and products;

Reply :

Yes, CSIR-CMERI has developed a number of socially useful technologies.

- (b) If so, the details of such products developed in last five years;

Reply :

Technology/Know-how developed by CSIR-CMERI in last five years which have a high impact on the common man/society is hereunder:

Sl. No.	Year	Details of Technology/Know How developed
1.	2022-23	1. Retractable Roof Poly-house 2. AC powered, intelligent, remote controlled UVC-LED Sterilizer Unit 3. Concrete [M20 to M25 Grade] utilizing Legacy Waste with complete replacement of natural sand
2.	2021-22	1. Vehicle Mounted Drain Cleaning System (Mechanical Scavenger) 2. Solar PV energy based electric cooking system 3. Oxygen Enrichment Unit 4. Biomass Briquetting technology 5. Low cost cold storage
3.	2020-21	1. Integrated Municipal Solid Waste Disposal System 2. Battery Powered Disinfection Sprayer 3. Pneumatically operated Mobile Indoor Disinfection (POMID) Unit 4. Pneumatic variant Disinfection Walkway 5. Tractor Mounted Road Sanitizing Unit 6. UV Sterilized Hydrophobic Material Mask 7. Portable Touch Free Soap-cum-Water Dispensing Unit 8. Contactless Hand Washer (COVID-19) 9. Automatic biomass briquetting plant 10. High Flow Rate Fluoride & Iron Removal Plant

V. Guman
31/01/23

		11. High Flow Rate Arsenic Removal Plant 12. Community/Domestic Level Fluoride, Arsenic & Iron Removal (FAIR) Technology 13. Community level household Effluent Treatment (ET) plant for agricultural purposes 14. Intelligent, UVC-LED Sterilizer Unit 15. Outdoor Air Purifier 16. IoT based Smart Parking Slot Identification System 17. Mob Control Vehicle (MCV) 18. Mechanical Ventilator (2 variant - Basic, Advance) 19. Solar Biodiesel Hybrid Minigrid of 50kW peak Capacity
4.	2019-20	1. Community level Arsenic Removal Plant (Model-I) 2. Community level Arsenic Removal Plant, (Model-II) 3. High flow rate Iron Removal filter 4. Arsenic sludge disposal through stabilization 5. CNC based laser micro machining technology on polymers 6. 1 TPD fully automatic biodiesel plant 7. Robotic System for remote inspection of the Boiler Headers internally 8. Design of 11.0 kWp Solar Artefact Structure 9. Development of Multi-functional care device for army personnel
5.	2018-19	1. Community Level Fluoride Removal Plant 2. Domestic Iron Removal Filter 3. Multi-Fab micro fabrication machine 4. Intelligent & Powered Wheel Chair 5. Smart Dimmable LED Street Lighting System 6. Graphene Based Aqueous Lubricants 7. Micro Fuel Cell

Other technologies which are already in use and have a high impact on the common man/society are :

1. Community Level Improved Iron Removal Plant
2. Ginger Processing Unit
3. Krishi Shakti Tractor
4. Semi-continuous Biodiesel Plant
5. Salivary Fluoride Detection Kit
6. Solar Tree (different models eg. 11.5 kWp / 53.6 kWp)
7. Solar Biodiesel Hybrid Minigrid of 50kW peak Capacity

(c) What extent they have been able to ameliorate the lot of the common man of India;

Reply :

The developed technologies of CSIR-CMERI were transferred to number of clients for commercialization of products using CSIR-CMERI technologies for the benefits of the common man of India.

(d) Efforts made to popularize the same amongst the common people; and


Reply:

To popularize the technologies amongst the common people, different efforts are made. When any technology is developed, the details is uploaded in CMERI website. The interested clients provide their expression of interest (EoI) and based on that technology/know-how is transferred to the clients. CSIR-CMERI attends different Science Exhibition, Mela for showcasing of developed technology models. Number of webinars, Seminars & Workshops are arranged on different developed technologies. As a result, more clients show their EoI for obtaining CSIR-CMERI developed technologies for commercialization of products and for the benefit of the common man of India.

(e) Whether CSIR has any dedicated agency for popularize of products developed it?

Reply:

At present, CSIR-CMERI, Durgapur has no dedicated agency to popularize of products.


31/01/2023
(Dr. Swapan Barman)
Sr.Pr. Scientist ,
Dept. for BIS
Contact- No. 9474112730



No. 5/84/88-Rct Vol. II

Date: 01.02.2023

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Section Officer, HR-II Section, CSIR Hqrs

Subject : Inputs requested for Rajya Sabha Provisionally Admitted Question for CSIR REPLY: Question : Starred /Unstarred: Diary No : U1111

Sir,


With reference to CSIR email dated 31.01.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Provisionally Admitted Question Dy No –U1111 on number of young scientists (upto Principal Scientists) working at CSIR - CMERI, Durgapur as per attached format along with excel file.

Details of Young Scientists (up to Principal Scientists) working at CSIR Laboratories/Institutes including CSIR Hqrs.				
	Name of the Lab/Instt.	2022	2023 (Till date)	
	CSIR- CMERI, Durgapur	75* (As on 31.12.2022)	74* (As on 31.01.2023)	

*Total number of Scientists upto Principal Scientist.

This is for your kind information and needful at your end.

Yours faithfully,


(B. P. Saw)
Administrative Officer
01.2.23



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सी.एस.आई.आर. का एक संघटक संस्थापन, भारत सरकार) (A Constituent Establishment of CSIR, Govt. Of India)

महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 02.02.2023

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Section Officer, HR-II Section, CSIR Hqrs

Subject : Inputs requested for Rajya Sabha Provisionally Admitted Question for CSIR REPLY: Question : Starred /Unstarred: Diary No : U1111

Sir,

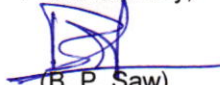
With reference to CSIR email dated 02.02.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Provisionally Admitted Question Dy No –U1111 on number of young scientists (upto Principal Scientists) working at CSIR - CMERI, Durgapur as per attached format along with excel file in respect of the calendar year 2020 & 2021.

Details of Young Scientists (up to Principal Scientists) working at CSIR Laboratories/Institutes including CSIR Hqrs.				
	Name of the Lab/Instt.	2020	2021	
	CSIR- CMERI, Durgapur	82* (As on 31.12.2020)	81* (As on 31.12.2021)	

*Total number of Scientists upto Principal Scientist.

This is for your kind information and needful at your end.

Yours faithfully,


(B. P. Saw)
Administrative Officer

No. 5/84/88-Rct Vol. II

Date: 16.03.2023

To
 The Joint Secretary (Admn.)
 Council of Scientific & Industrial Research
 Anushandhan Bhawan,
 2, Rafi Marg, New Delhi – 110 001

Kind Attention : Dr. Mayank Mathur, Sr. Principal Scientist, Central Planning Directorate, CSIR

**Sub. - Provisionally admitted Rajya Sabha Unstarred Question Dy. No. S5276 regarding
 "The Total number of researchers and the number of new PHD's issued annually"**

Sir,

With reference to CSIR email dated 14.03.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Unstarred Question Dy. No. S5276 pertaining to CSIR - CMERI, Durgapur in the prescribed tables.

Table 1:

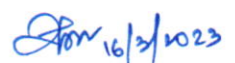
(Till Date)		
Total No. of Scientists working in the laboratory	Total No. of Scientists having PhD Degree	Total No. of Scientists having PhD Degree from abroad
109 (Including Director)	76 (Including Director)	Nil

Table 2:

(Till Date)		
Total No. of students currently pursuing PhD in the laboratory	Total No. of students completed PhD in the year 2023	Total No. of students completed PhD in the year 2022
133	05	08

This is for your kind information and necessary action at your end.

Yours Sincerely,


 (S. Majumdar)
 Administrative Officer



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सी.एस.आई.आर. का एक संघटक संस्थापन, भारत सरकार) (A Constituent Establishment of CSIR, Govt. Of India)

महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 21.03.2023

To
Sh. Jagadish Sahu
Asst. Director (ESDP & GA)
O/o DC (MSME)
Room No. 735
Njirman Bhawan
New Delhi

Sub. - Providing inputs for the Rajya Sabha Admitted Starred Question No. 278 for answer on 27.03.2023 on "Training of entrepreneurs in sustainable production"

Sir,

With reference to your email dtd. 21.03.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Admitted Starred Question No. 278 pertaining to CSIR - CMERI, Durgapur.

This is for your kind information and necessary action at your end.

Yours Sincerely,

(B. P. Saw)
Administrative Officer

Encl. - As stated.

CSIR - Central Mechanical Engineering Research Institute (CMERI)

Durgapur - 713209, WB

Sub: Rajya Sabha Admitted Starred Question No. 278 for answer on 27.03.2023 on

"Training of entrepreneurs in sustainable production"

(a) Whether there are any programmes under the Entrepreneurship Skill Development Programme (ESDP) which train entrepreneurs in sustainable and green production

(b) if so, the details thereof; If not, reasons therefor; and

CSIR-CMERI conducted two MSME Entrepreneurship Skill Development Programme (E-SDP) programmes, details of which are provided below:

1) MSME Advanced Entrepreneurship and Skill Development Programme (E-SDP) on 'Modern Agricultural Machines and Techniques'; February 13-17, 2023

2) MSME Advanced Entrepreneurship and skill Development Programme (E-SDP) on 'Precision Agricultural'; February 20-24, 2023

Biplab Choudhury
21-03-2023

Pr. Sct.
SIP Group
Scientist

Central Mechanical Engineering
Research Institute
Durgapur - 713209

No. 5/84/88-Rct Vol. II

Date: 28.03.2023

To
 The Joint Secretary (Admn.)
 Council of Scientific & Industrial Research
 Anushandhan Bhawan,
 2, Rafi Marg, New Delhi – 110 001

**Subject : Provisionally Admitted Rajya Sabha Starred / Unstarred Question Diary No. S6752, U4981
 for 06.04.2023 – reg.**

Sir,

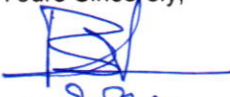
With reference to CSIR email dated 27.03.2023 on the subject cited above, I am directed to forward herewith the required inputs in connection with the Rajya Sabha Starred / Unstarred Question Diary No. S6752, U4981 pertaining to CSIR - CMERI, Durgapur.

Sl. No.	Name of the Post	Sanctioned Strength	Men in Position as on date	Ongoing recruitment	Vacancies
1	Scientific, Group IV	150	109	15	26
2	Technical, Group III	120	76	34	10
3	Technician, Group II	162	63		99*
4	Support Staff. Group I	72	4	Recruitment banned by CSIR	68
5	Non-Tech, Group A	8	6		2
6	Non-Tech, Group B	56	28		28
7	Non-Tech, Group C	37	23		14
8	MTS (Erstwhile Group D)	89	18	Recruitment is done on compassionate ground only	71
9	MTS (Erstwhile Canteen Staff)	12	0	Recruitment banned by CSIR	12
Total		706	327	49	330*

* Out of 99 vacant posts, recruitment drive of 50 Nos.(approx) of Group II posts is proposed to be initiated shortly.

This is for your kind information and necessary action at your end.

Yours Sincerely,


 (B. P. Saw)
 Administrative Officer



सी एस आई आर-केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR - CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सी०एस०आई०आर० का एक संघटक संस्थापन, भारत सरकार) (A Constituent Establishment of CSIR, Govt. of India)
महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत
Mahatma Gandhi Avenue
Durgapur - 713209, India



CSIR-CMERI

No. 5/84/88-Rct Vol. II

Date: 29.03.2023

To
The Joint Secretary (Admn.)
Council of Scientific & Industrial Research
Anushandhan Bhawan,
2, Rafi Marg, New Delhi – 110 001

Kind Attention : Dr. Mayank Mathur, Senior Principal Scientist, Central Planning Directorate, CSIR

Subject : Parliament Matter Urgent: Lok Sabha Starred Question Diary No. 13788, regarding Regular Scientists.

Sir,

With reference to your email dated 28.03.2023 on the subject cited above, I am directed to forward herewith the required information in connection with the Starred Lok Sabha Question No. 13788 regarding Regular Scientists as attached.

This is for your kind information and necessary action at your end.

Yours Sincerely,

(B P Saw)

Administrative Officer

Encl: As stated above

CSIR-Central Mechanical Engineering Research Institute, Durgapur

Question A

Name of the Autonomous Institute	Total No. of regular Scientists as on 20.03.2023	Total No. of SC/ST Scientists as on 20.03.2023
CSIR-Central Mechanical Engineering Research Institute	B - 0	B - 0
	C - 22	C - 03
	E-I - 21	E-I - 03
	E-II - 31	E-II - 02
	F - 27	F - 08
	G - 08	G - 01
	Director- 01	Director- 01
Total	110	18

Question B


Name of the Autonomous Institute	Total No. of regular Scientists recruited in last five years	Total No. of regular SC/ST scientists recruited in the last five years
CSIR-Central Mechanical Engineering Research Institute	B - 0	B - 0
	C - 13	C - 03
	E-I - 11	E-I - 0
	E-II - 0	E-II - 0
	F - 0	F - 0
	G - 0	G - 0
Total	24	3

Question C

Ans: No

Question D

Ans: Not Applicable as done by CSIR-RAB.


(B P Saw) 29/3/23
Administrative Officer

बी. पी. साव / B. P. Saw
प्रशासनिक अधिकारी / Administrative Officer
सी.एस.आई.आर.-सी.एस.आई.आर.आई. / C.S.I.R.-C.M.E.R.I.
दुर्गापुर / Durgapur-713209