



**40<sup>th</sup> APMP**  
**General Assembly and Related Activities**  
**APMP 2024**

 **22<sup>nd</sup> to 29<sup>th</sup> November, 2024**

 **CSIR-National Physical Laboratory, India (NPLI)**



## Message from Chairman - APMP

**Dr. Hyun-Min Park**  
Chairperson, Asia Pacific Metrology Programme

I wish to extend my warmest greetings and heartfelt welcome to all our member institutes. I am especially looking forward to meeting everyone at the 40th APMP General Assembly and related meetings, which will take place in New Delhi, India, from November 22 to 29, 2024.

This year's General Assembly and related meetings hold special significance given the many global challenges we are facing today. I am confident that we can successfully navigate these challenging circumstances as long as we stay united. Therefore, we must embrace opportunities for collaboration in metrology. The 2024 GA will provide a vital platform for us to reconnect, share insights, and forge new partnerships that will be essential for advancing metrology in our region.

I extend my deepest appreciation to the host institute, CSIR-National Physical Laboratory, for their dedication and meticulous planning to ensure a productive and enriching experience for all participants. Organizing such a major event with participants from around the world can be an arduous task, but I have no doubt that CSIR-National Physical Laboratory will deliver an event to remember.

Please save the dates on your calendars and make arrangements to join us in New Delhi. Your active participation is invaluable as it contributes toward our ultimate goal of shaping the future of metrology in the Asia Pacific region. Together, let us reaffirm our commitment to excellence and collaboration in advancing metrology.

Thank you once again, and I eagerly anticipate your presence and contributions at the General Assembly.





## Message from Director - NPLI

**Prof. Venugopal Achanta**  
Director, CSIR-NPLI

Asia-Pacific region is the growth engine of the world with over 60% of the world population and having contributed to more than 70% of the global economic growth in the past decade. Metrology is the backbone of this growth as seen in other regions of the world. This region also consists of a large number of developing economies where the penetration of metrology is much needed for socio-economic development. Asia-Pacific Metrology Program (APMP) plays an active role in propagating universal adherence to metrology by promoting metrology through cooperation among the member economies. This is apparent from the programs supported by APMP like the activities of the Developing Economies Committee (DEC), and various technical groups covering local challenges like metrology for water, food, health, and energy efficiency to emerging areas like digital transformation. APMP is quite active in the promotion of metrology in the region with 2 meetings a year covered under the mid-year meeting and the annual general body meeting.

I am happy to invite the global metrology community to this year's APMP GA in New Delhi. As is the practice we, have the meetings scheduled for the technical committees (TCs) and working groups (WGs), as well as DEC activities. To focus on the cutting-edge developments that focus on the global challenges, this year's theme for the Directors' meeting is 'Green Hydrogen Technologies' and the theme for the Symposium is 'Metrology for Quantum Technologies'. Spread over 8 days, we believe that this year's GA will provide a platform for intense interactions and promotion of metrology.

On behalf of all my colleagues at CSIR-NPLI, the host institute, I look forward to your active participation in promoting both professional and personal experiences. New Delhi is a vibrant city with a lot of opportunities for sightseeing and experiencing the diversity of Indian food, culture, and languages. We are planning an enriching experience for each of you, as in India, we believe the guests are to be treated as gods.

We recently met in the beautiful Bohol, Philippines for the mid-year meeting. From those amazing beaches let us shift to the moderate weather of New Delhi during 22-29 November 2024.



# 40<sup>th</sup> APMP General Assembly and Related Activities



## About APMP GA 2024

### Asia Pacific Metrology Programme (APMP)

The Asia Pacific Metrology Programme (APMP) is among the six Regional Metrology Organizations (RMOs) and is a collaboration of national metrology institutes from the Asia-Pacific region. It supports the metrology activities carried out in different National Metrology Institutes (NMIs) in the Asia-Pacific region. This forum is engaged in enhancing various metrological capabilities through expertise sharing and exchange of technical services among APMP NMIs. APMP ensures the implementation of CIPM MRA (mutual recognition arrangement) for the worldwide mutual recognition of measurement standards and calibration.

APMP works closely with the Asia Pacific Accreditation Corporation (APAC) to facilitate the development and implementation of standards and conformance infrastructure to manage and expand MRA among accreditation bodies and promote economic growth in the Asia-Pacific region.

At present, APMP has One Executive Committee (EC), Twelve Technical Committees (TCs), Six Focus Groups (FGs), One APMP-APAC Joint Proficiency Testing Working Group (APMP-APAC PTEG), and one Developing Economies' Committee (DEC); which is responsible for initiating and coordinating work programs to address the needs of APMP member Developing Economy NMIs (DENs). APMP has 47 full members from 28 economies and 12 associate members from 12 economies. Please visit [www.apmpweb.org](http://www.apmpweb.org) for further details.

### The General Assembly and Related Meetings

The General Assembly and Related Meetings are the major annual event of APMP, which comprise: the General Assembly (GA), meetings of APMP's EC, workshops and meetings of APMP's 12 TCs, workshops and meetings of FGs, NMI Directors' workshop, TC Chair meetings, APMP DEC meetings and workshops, APMP-APAC PTWG meeting and workshop and symposium.

The 40th APMP General Assembly and related activities (APMP 2024) is being held at CSIR-National Physical Laboratory India (NPLI) from 22 Nov to 29 Nov, 2024 in New Delhi.

### About CSIR- National Physical Laboratory, India

The CSIR-National Physical Laboratory, India (NPLI) is the National Metrology Institute of India and a Premier Research Laboratory in Physical Sciences. NPLI was conceptualized in 1943 by the Governing Body of the Council of Scientific and Industrial Research (CSIR), to pave the way for utilizing Science and Technology for the country's Socio-Economic growth. NPLI was among the first research laboratories of CSIR and was inaugurated on January 21, 1950. Over the years, the laboratory has fulfilled its primary mandate as the custodian of Measurement Standards at the national level and substantially expanded its research activities to emerge as a leading national institution for research in a whole gamut of areas in the Physical Sciences. It provides traceability to the industries and stakeholders in all base units and several derived units. Please visit [www.nplindia.org](http://www.nplindia.org) for further details.

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## About Delhi

India's capital and a major gateway to the country, contemporary Delhi is a bustling cosmopolis, which successfully combines in its folds – the ancient with the modern. One of the oldest capitals in the world, Delhi is a treasure trove that reveals the ultimate combination of tradition and trends. A tour of Delhi will provide the visitors with plenty to see and admire, ranging from Mughal monuments to modern malls, from traditional arts and crafts to trendy fashion shows and from skyscrapers to parks and gardens.



## Seasons

Seasons	Month	Av. Temp (Min – Max)	Climate	Clothing
Winter	December to January	5° to 25°C	Very cool	Woollen & body warmers
Spring	February to March	20° to 25°C	Sunny pleasant	Light woollens
Summer	April to June	25° to 45°C	Hot	Light cottons
Monsoon	July to Mid-September	30° to 35°C	Wet, hot and humid	Light cottons
Autumn	September end to November	15° to 30°C	Pleasant	Cottons & light woollens

For details please visit the website: <https://www.delhitourism.gov.in/>

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## Venue

Council of Scientific and Industrial Research–National Physical Laboratory India (CSIR–NPLI)

Dr KS Krishnan Marg, New Delhi 110012, India



The Council of Scientific and Industrial Research–National Physical Laboratory (CSIR–NPLI) is located in New Delhi, India. Established in 1947, CSIR–NPLI is the premier research laboratory in India dedicated to physical sciences. It operates under the Council of Scientific and Industrial Research (CSIR) and plays a crucial role in advancing scientific knowledge and innovation through high-quality research and development. CSIR–NPLI is the custodian of national standards for physical measurements, ensuring accuracy and consistency in various scientific and industrial domains across the country.

### Getting to the Venue

#### Location:

Council of Scientific and Industrial Research–National Physical Laboratory (CSIR–NPLI)  
Dr KS Krishnan Marg, New Delhi 110012, India

#### Directions:

##### ► By Air:

The venue is approximately 15 km from the airport. You can take a taxi or the metro to reach CSIR–NPLI. For the metro, take the Airport Express Line towards New Delhi, exit at Dhaula Kuan, and then take a car or taxi from Dhaula Kuan to the venue, which is about 10 minutes away.

##### ► By Metro:

Nearest Metro Station: The closest metro station is "Rajendra Place", on the Blue Line, approximately 10 min walk from CSIR–NPLI. You can take a taxi or auto-rickshaw from the metro station to the venue

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## Programme Schedule

Date	Nov 22 (Fri)	Nov 23 (Sat)	Nov 24 (Sun)	Nov 25 (Mon)	Nov 26 (Tue)	Nov 27 (Wed)	Nov 28 (Thu)	Nov 29 (Fri)
Morning 9 am to 12:30 pm	4 FG Meetings and/or FG/DEC Workshops	11 TC Workshops	EC Meeting (1)	12 TC Meetings	DEC Meeting (2)  10 TC Meetings	APMP NMI Director's Workshop  Technical Tour	General Assembly	General Assembly
			TC Chairs Forum					
			FG Chairs Forum					
			TCTF Workshop					
			DEC Workshop					
<b>Exhibition</b>								
Afternoon 2 pm to 5:30 pm	4 FG Meetings and/or FG/DEC Workshops	11 TC Workshops	DEC Meeting (1)	12 TC Meetings	EC-CC Meeting	Symposium	General Assembly	EC Meeting (2)
			TCTF Workshop					Technical / Cultural Tour
			APMP-APAC					
			PTWG Meeting					
<b>Exhibition</b>								
Dinner 7 pm Onwards	Free Evening	Free Evening	Welcome Reception	EC/TC/FG/ DEC Dinner	Free Evening	APMP Dinner	GA Dinner	
TCC: Technical Committee Chair		EC: Executive Committee		DEC: Developing Economies Committee			FG: Focus Group	
TC: Technical Committee			GA: General Assembly			APMP: Asia Pacific Metrology Programme		
NMI: National Metrology Institute		PTWG: Proficiency Testing Working Group			EC-CC: Executive Committee- Committee Chair			



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## TC/FG/DEC/Symposium Contact Persons

Sr. No.	Event/Meeting/Committee	Contact Name at NPLI	Mailing Address
1	TCPR (Photometry & Radiometry)	Sh. V K Jaiswal	jaiswalvk@nplindia.org
2	TCQM (Amount of substance)	Sh. Gautam Mandal	goutam@nplindia.org
3	TCAUV (Acoustics/Ultrasound/vibration)	Dr. Naveen Garg	ngarg@nplindia.org
4	TCQS (Quality System)	Dr. Saood Ahmad	ahmads@nplindia.org
5	TCEM (Electricity/Magnetism)	Sh. J C Biswas	jcbiswas@nplindia.org
6	TCT (Temperature)	Dr. D D Shivagan	shivagand@nplindia.org
7	TCL (Length)	Dr. Girija Moona	moonag@nplindia.org
8	TCFF (Fluid Flow)	Dr. S K Jaiswal	skjaiswal@nplindia.org
9	TCM (Mass & related Quantities)	Dr. Nidhi Singh	singhnidhi@nplindia.org
10	TCRI (Ionizing Radiation)	Dr. Sunil K Singh	bhusunil@barc.gov.in
11	TCMM (Materials Metrology)	Dr. Sushil Kumar	skumar@nplindia.org
12	TCTF(Time & Frequency)	Dr. Ashish Agarwal	ashish@nplindia.org
13	DEC	Dr. P K Dubey	dubeypk@nplindia.org
14	EC	Dr. Nita Dilawar	ndilawar@nplindia.org
15	GA	Dr. SR Dhakate Dr. Shankar G. Aggarwal	dhakate@nplindia.org aggarwals@nplindia.org
16	MMFG (Medical Metrology)	Dr. Rajesh	rajesh@nplindia.org
17	CCFG (Climate Change/clean Air)	Dr. Sachchidanand Singh	ssingh@nplindia.org
18	FSFG (Food safety)	Dr. Nahar Singh	naharsingh@nplindia.org
19	CWFG (Clean Water)	Dr. Swarupa Tripathy	tripathyss@nplindia.org
20	EEFG (Energy Efficiency)	Dr. S P Khanna	khanna@nplindia.org
21	DXFG (Digital Transformation)	Dr. Anjali Sharma	anjali@nplindia.org
22	APMP-APAC PT WG	Dr. Rajesh Kumar	kumarr@nplindia.org
23	NMI Director's meeting	Dr. Bhanu Pratap Singh	bps@nplindia.org
24	TCC (Technical Committee Chairs)	Dr. T K Mandal	tuhin@nplindia.org
25	APMP Symposium	Dr. Mukesh Jewariya	jewariya.mukesh@nplindia.org



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## Sponsorship Kit

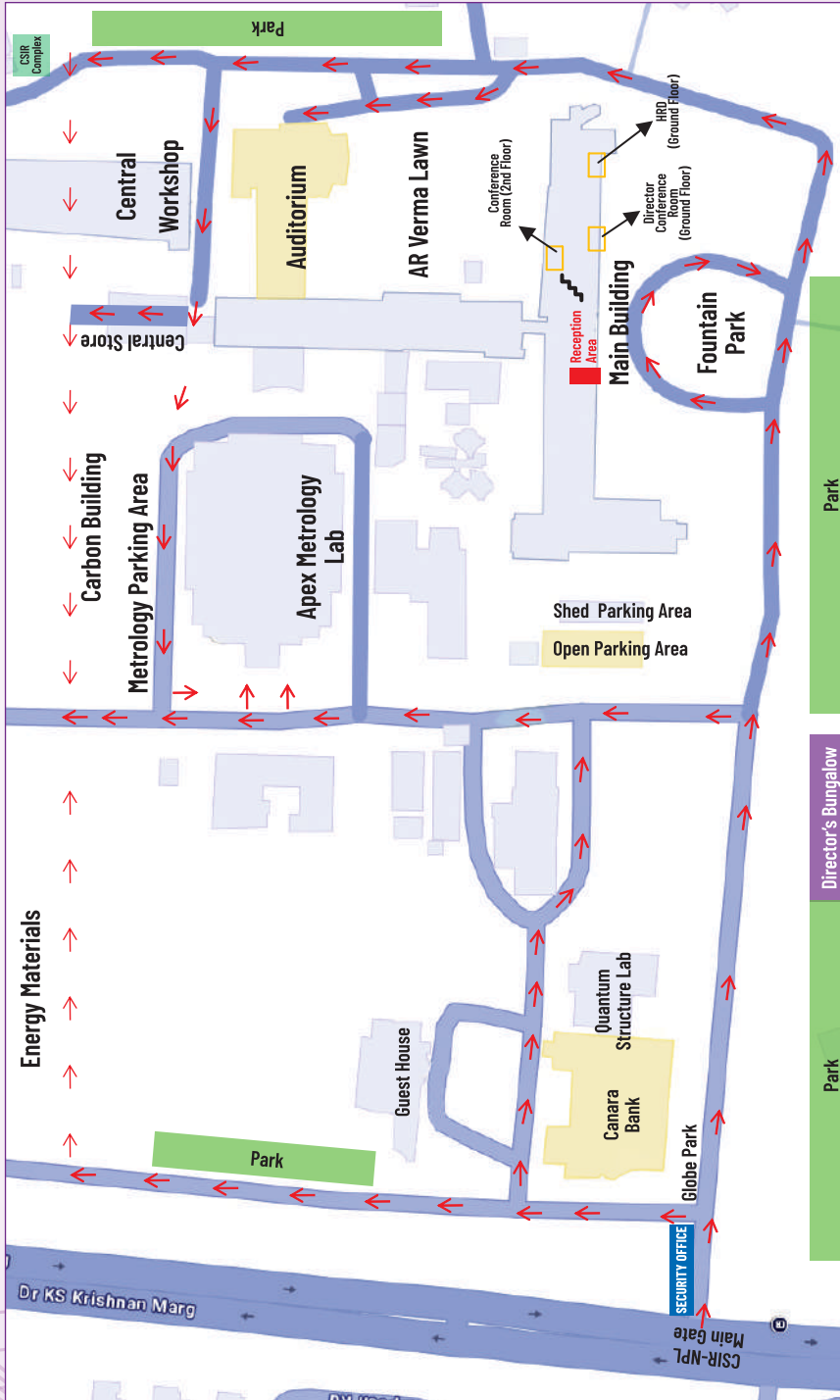
<b>Platinum Sponsor</b>	₹ 6,00,000/- + 18% GST	2 Exhibition stalls (i.e. 2m x 3m)	4 Delegate registration (tea/coffee, lunches for all exhibition days, welcome reception)	<ul style="list-style-type: none"><li>• Full-page advertisement in APMP 2024 brochure.</li><li>• Logo of the Platinum Sponsor will be displayed on the symposium banner and website.</li><li>• Banner at the welcome reception.</li></ul>
<b>Diamond Sponsor</b>	₹ 4,00,000/- + 18% GST	2 Exhibition stalls (i.e. 2m x 3m)	3 Delegate registration (tea/coffee, lunches for all exhibition days)	<ul style="list-style-type: none"><li>• Full-page advertisement in APMP 2024 brochure.</li><li>• Logo of the Diamond Sponsor will be displayed on the symposium banner and website.</li></ul>
<b>Gold Sponsor</b>	₹ 2,00,000/- + 18% GST	1 Exhibition stalls (i.e. 2m x 3m)	2 Delegate registration (tea/coffee, lunches for all exhibition days)	<ul style="list-style-type: none"><li>• Half-page advertisement in APMP 2024 brochure.</li><li>• Logo of the Gold Sponsor will be displayed on the symposium banner and website.</li></ul>
<b>Silver Sponsor</b>	₹ 1,00,000/- + 18% GST	-----	1 Delegate registration (tea/coffee, lunches for all exhibition days)	<ul style="list-style-type: none"><li>• Half-page advertisement in APMP 2024 brochure.</li><li>• Logo of the Silver Sponsor will be displayed on the symposium banner and website.</li></ul>



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## Layout of the Conference Venue



## Accommodation

### Hotels Near NPLI

<p><b>Jaypee Siddharth ****</b> 3, Rajendra Place, New Delhi 110 008, India Distance from CSIR-NPL: 10 min (650 m)</p>	<p><b>Hotel Bharat Continental ***</b> Shankar Rd,R- Block ,Pocket J Rajender Nagar,New Delhi Distance From CSIR -NPL- 850m (12min)</p>
<p><b>Amrapali Grand ****</b> 2/16, Karol Bagh, East Patel Nagar, New Delhi- 110008, India Distance from CSIR-NPL: 5 min (1 km)</p>	<p><b>Hotel Golden Grand ****</b> 1, 10, Patel Rd, Block 1, West Patel Nagar, Shadipur, New Delhi-110008, India Distance from CSIR-NPL: 4km</p>
<p><b>Hotel Regent Grand ****</b> 2/6, Pusa Rd, opposite Metro Pillar No. 167, Block 2, East Patel Nagar, Karol Bagh, New Delhi- 110008, India Distance from CSIR-NPL: 3km</p>	<p><b>Exotica Grand ***</b> 1/12, West Patel Nagar, Metro Pillar No 201, New Delhi- 110008, India Distance from CSIR-NPL: 4.1km</p>

### Hotels Near Delhi Airport

<p><b>Pride Plaza Aerocity *****</b> 5-A, Hospitality District, Aerocity, Delhi - 110037 , India Distance from Airport : 10 min (4.9 km) Distance from CSIR-NPL : 35 min (14.7 km)</p>	<p><b>Hotel Aloft Aerocity *****</b> 5B IGI T3 Road, Delhi Aerocity, New Delhi- 110037, India Distance from airport : 10 min (4.9 km) Distance from venue : 35 min (15 km)</p>
<p><b>Lemon Tree Premier Aerocity ****</b> Asset No. 6, Aerocity Hospitality District IGI Airport, New Delhi - 110037, India Distance from Airport : 7 min (3.1 km) Distance from CSIR-NPL : 30 min (15.3 km)</p>	<p><b>Foxoso Delhi Airport-T3 ****</b> 10A,Near Vishal Mega Mart,L Block, Mahipalpur Village,New Delhi, Distance from Airport - 7 min (3.0Km) Distance From CSIR -NPL- 29min (14.2min)</p>
<p><b>Ibis Premier (Aerocity) ***</b> Ibis New Delhi Aerocity, Delhi Aerocity - IGI Airport, IGI Airport, New Delhi-110037, India Distance from Airport: 10 min (4.8 km) Distance from CSIR-NPL: 32 min (14.9 km)</p>	<p><b>The Red Fox, Aerocity ***</b> Asset No. 6, Aerocity Hospitality District IGI Airport, New Delhi - 110037, India Distance from Airport: 10 min (5.1 km) Distance from CSIR-NPL: 30 min (13.6km)</p>



## Accommodation





### Hotels In Connaught Place (Central Delhi)

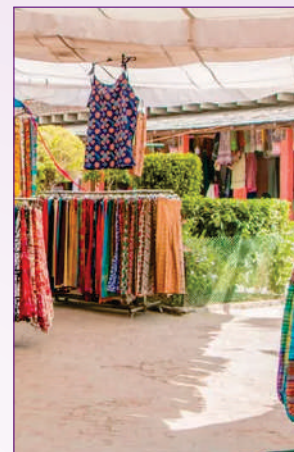
<b>The Metropolitan Hotel *****</b> Sector 4, Gole Market, New Delhi- 110001, India Distance from CSIR-NPL: 9.1km Distance from Airport: 18km	<b>Le Méridien *****</b> Windsor Place, New Delhi- 110001, India Distance from CSIR-NPL: 20 min (8.2 km) Distance from Airport: 30 min (13.2 km)
<b>The Park *****</b> 15 Parliament Street, New Delhi - 110 001, India Distance from CSIR-NPL: 17 min (7.6 km) Distance from Airport: 31 min (13.6 km)	<b>Shangri-La *****</b> 19 Ashoka Road, Connaught Place, New Delhi- 110 001, India Distance from CSIR-NPL: 17 min (7.9 km) Distance from Airport: 31min (14.4 km)
<b>The Lalit *****</b> Barakhamba Avenue, Connaught Place, New Delhi-110001, India Distance from CSIR-NPL: 20 min (10.2 km) Distance from Airport: 40 min (16.8 km)	<b>Hotel Samrat ****</b> Plot No.50B, Kautilya Marg, Chanakyapuri, New Delhi, Distance from Airport - 16 min (7.4Km) Distance From CSIR -NPL- 20min (10.4min)
<b>Royal Plaza ****</b> 19, Ashoka Rd, Janpath, Connaught Place, New Delhi- 110001, India Distance from CSIR-NPL: 9.8km Distance from Airport: 18.8km	<b>Radisson Blu Marina ****</b> G-59 Connaught Circus, New Delhi-110001, India Distance from CSIR-NPL: 20 min (7.7 km) Distance from Airport: 30 min (13 km)
<b>Hotel Connaught by Taj ***</b> 37, Shaheed Bhagat Singh Marg, Shivaji Stadium, Connaught Place, New Delhi- 110001, India Distance from CSIR-NPL: 10km Distance from Airport: 19km	<b>Hotel Connaught Royale ***</b> 106, Babar Road, Connaught Place, New Delhi- 110001, India Distance from CSIR-NPL: 12km Distance from Airport: 21.4km





## Technical / Cultural Tour

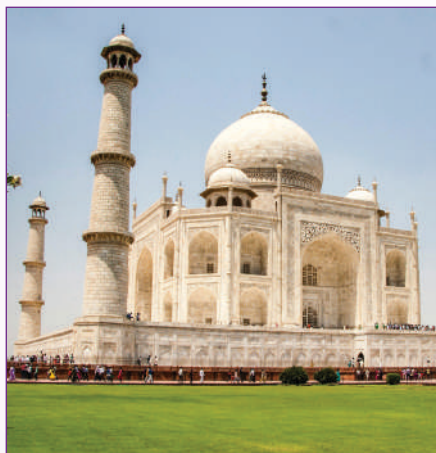
### November 29, 2024

-  CSIR-NPL  
(Starting Point (14:00))
- ↓
-  Qutub Minar
- ↓
-  Lotus Temple
- ↓
-  Dilli Haat
- ↓
-  CSIR-NPL  
(Arrival Point (19:00))



### November 30, 2024

-  CSIR-NPL  
(Starting Point (06:00))
- ↓
-  Agra
- ↓
-  CSIR-NPL  
(Arrival Point (21:00))



## Contact us



**Name:** Dr. Nita Dilawar Sharma

**Designation:** Chief Scientist

**Organization:** CSIR-NPLI

**Email Id:** [ndilawar@nplindia.org](mailto:ndilawar@nplindia.org)

**Contact Number:** +91-11-47091207

**Mobile Number:** +91 98681 22259

**Name:** Dr. Shankar G Aggarwal

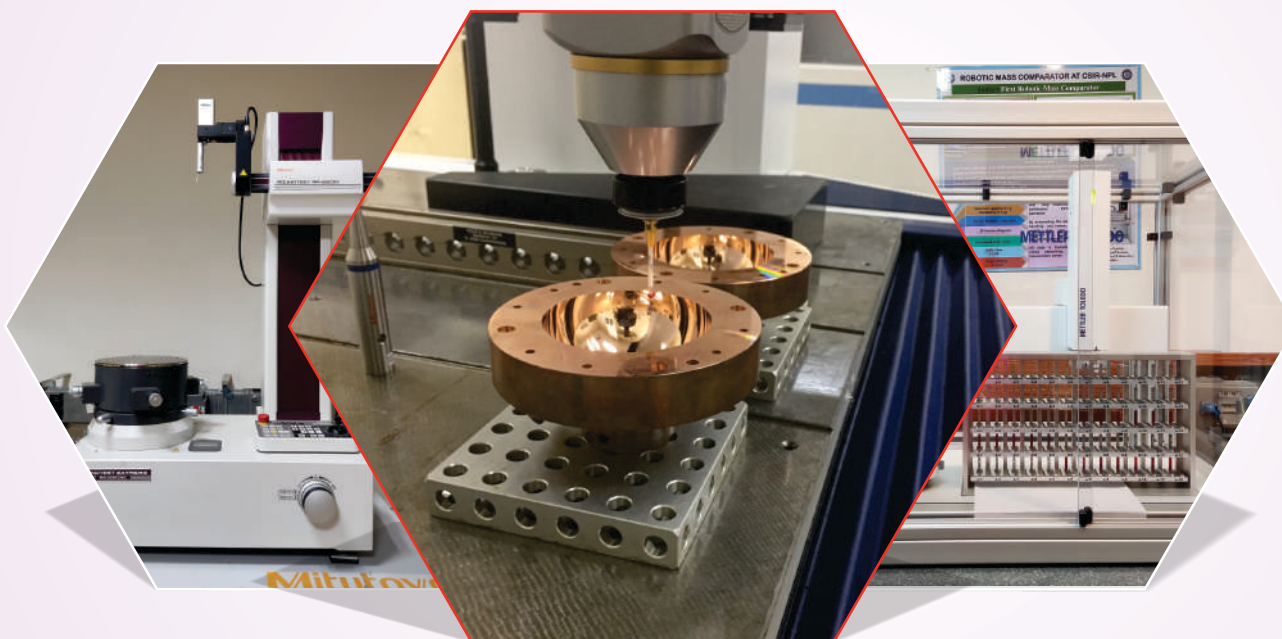
**Designation:** Chief Scientist

**Organization:** CSIR-NPLI

**Email Id:** [aggarwalsg@nplindia.org](mailto:aggarwalsg@nplindia.org)

**Contact Number:** +91-11-45608331

**Mobile Number:** +91 98686 02917





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