

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली
हौज खास, नई दिल्ली -110016
(औद्योगिक अनुसंधान एवं विकास इकाई)
Indian Institute of Technology Delhi
Industrial Research & Development Unit
Hauz Khas, New Delhi -110016

No. IITD/IRD/RP04355G/ 472688

Dated:10/12/2025

Advertisement No.: IITD/IRD/301/2025

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Description: The project deals with the development of highly efficient diffractive optical element for spectrally combining the multiple semiconductor laser beams for its use in high power laser systems. The subwavelength grating is written on the top of multilayer dielectric stack. The development process of the grating involves preparation of super finished substrate by grinding, polished by nano abrasives and its characterisation, multilayer high reflective coatings on polished substrate, writing of grating structures and etching of written structure.

Title of the Project	Design and development of diffractive optical element as spectral beam combiner for high power laser application. (RP04355G)	
Funding Agency	DEPARTMENT OF DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE	
Name of the Project Investigator	Prof. Gufran Sayeed Khan [email ID: gufranskhan@sense.iitd.ac.in]	
Deptt./Centre	Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering	
Duration of the Project	Upto:14-11-2026	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Project Scientist (01)	Rs. 47,790 - 49,220 - 50,700 - 52,220 - 53,790 - 55,400 - 57,060 - 58,770 - 60,530 - 62,350/-p.m. plus HRA @ 27%	1 st class Master Degree in Mechanical/Production and industrial Eng. with relevant work experience in machining operations like lathe, milling, grinding, smoothing, polishing and complete characterisation of optical components. Desirable: The experience in working in optical workshop for fabrication of optics is highly desirable.? Experience in optical surface characterizations using contact based and non-contact interferometric profilers? Knowledge in surface polishing and super finishing.

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. **by e-mail with advertisement No. on the subject line to Prof. Gufran Sayeed Khan at email id: gufranskhan@sense.iitd.ac.in**

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) **alongwith the online interview details. Only short-listed candidates will be informed for online interview.** In case any clarification is required on eligibility regarding the above post, the candidate may contact to **Prof. Gufran Sayeed Khan at email id: gufranskhan@sense.iitd.ac.in**

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. **The last date for submitting the completed applications by e-mail is 16/12/2025 by 5.00 p.m.** अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा।

कार्यवाहक प्रमुख, आईआरडी

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