



**National Institute of Pharmaceutical Education and Research (NIPER),
Hyderabad**

Eligibility and desirable criteria for 02 Project Technical Support 3 under Extramural Research Grant from ICMR-Investigator Initiated Research Proposals - Small Grant (Purely temporary basis)

(Department of Pharmaceutical Analysis)

Applications are invited from the eligible candidates for the positions of **Project Technical Support 3 under Extramural Research Grant from ICMR-Investigator Initiated Research Proposals - Small Grant.**

Position 1

Project number	GAP 119
Project title	Affordable and Rapid Quantification of Total Lipid Profile Using a Paper-Based Microfluidic Device Coupled with Electrochemical Detectio
Position	Project Technical Support 3
Duration of project	Three years
Salary	Rs. 28,000/- + 30% HRA, Total Rs. 36400/- per month for two years with an increase of 5% in third year
Qualification	<u>Position 01</u> Essential: <ul style="list-style-type: none">• First class post-graduate degree (M.Sc./MS) in Life Sciences, Clinical Chemistry• First-class post-graduate degree (M. Tech.) in Biomedical Engineering/ Bioengineering/ Biotechnology/ Medical Devices. Desirable: <ul style="list-style-type: none">• Experience/ Knowledge in Electrochemical Sensors, Bioanalysis, Blood Analysis, Lipid Profiling.• Experinece on paper-based devices will be added advantage.
Age limit	35 years
Job profile	The Project Technical Support 3 (Non-Medical) team member will be involved in optimizing and characterizing paper-based devices. He/she will be responsible for validating the paper-based assay and the fabrication process. They will work extensively on designing, fabricating, and standardizing devices, as well as validating and comparing the standard method. They will also compare the electrochemical detection system and readout with the other Project Technical Staff in the project and also work in ESIC hospital with the Co-PI with real samples.

Last Date of Submission of applications: 16th of March 2026 by 6 PM
Intimation to shortlisted candidates: 20th of March 2026 by 6 PM
Expected date of Interview: 30th of March 2026, preferably physically*
Expected date of joining the project: 15th of April 2026

Send your CV with copies of relevant certificates/publications with at least two recommendation letters to Dr. Amit Asthana (amit.asthana@niperhyd.ac.in or amitasthana4@gmail.com). The email Subject should be "ICMR- Project Technical Support 3 Position 1 or 2) ."

**Please note that no TA/DA will be paid to appear in the interview. Candidates are required to arrange their accommodation.*

Position 2

Applications are invited from the eligible candidates for the positions of **Project Technical Support 3 under Extramural Research Grant from ICMR-Investigator Initiated Research Proposals - Small Grant.**

Project number	GAP 119
Project title	Affordable and Rapid Quantification of Total Lipid Profile Using a Paper-Based Microfluidic Device Coupled with Electrochemical Detectio
Position	Project Technical Support 3
Duration of project	Three years
Salary	Rs. 28,000/- + 30% HRA, Total Rs. 36400/- per month for two years with an increase of 5% in third year
Qualification	<p style="text-align: center;"><u>Position 02</u></p> <p>Essential:</p> <ul style="list-style-type: none">• First-class post-graduate degree (M.Tech./M.Sc.) in Biomedical Engineering/ Electronics/ Electrical Engineering/ Medical Devices/Physical Chemistry/Electrochemistry/Nanomaterials• First class Graduate degree in Engineering (B.E./B.Tech) in Biomedical Engineering/ Electronics/ Electrical Engineering with 3 years of experience <p>Desirable:</p> <ul style="list-style-type: none">• Experience/ Knowledge PCB design, 3D printing enclosures, low-power electronics enables compact, battery-operated handheld Electrochemical Sensor, Cyclic voltammetry, impedance spectroscopy.• Embedded programming (Arduino/Raspberry Pi), data acquisition, Real-time profiling and Bluetooth output.
Age limit	35 years
Job profile	Position (02): The second Project Technical Support 3 requires a background in Biomedical Engineering/ Electronics/ Electrical Engineering/ Medical Devices/Physical Chemistry/Electrochemistry/Nanomaterials for building and assembling colorimetric and electrochemical readouts, as well as integrating optical sensors, potentiostats, and embedded controllers. He/She will assist in firmware and software development, particularly for calibration modules that estimate concentrations from the electrochemical responses of enzymatic reactions. Performing testing, calibration, troubleshooting, and validation of the hardware prototypes against standard methods. Supporting the team in preparing production drawings, interfacing microcontrollers, and maintaining prototype reproducibility for technology transfer.

Last Date of Submission of applications: 16th of March 2026 by 6 PM
Intimation to shortlisted candidates: 20th of March 2026 by 6 PM
Expected date of Interview: 30th of March 2026, preferably physically*
Expected date of joining the project: 15th of April to 1st of April 2026

Send your CV with copies of relevant certificates/publications with at least two recommendation letters to Dr. Amit Asthana (amit.asthana@niperhyd.ac.in or amitasthana4@gmail.com). The email Subject should be "ICMR- Project Technical Support 3 Position 1 or 2) ."

****Please note that no TA/DA will be paid to appear in the interview. Candidates are required to arrange their accommodation.***