File No.: 3-4/2025- Rectt.
भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR
Recruitment Section(Non-Teaching)

Argul, Khordha
Date: 08/12/2025

CIRCULAR (Non-Teaching/LDE/01/2025)

Indian Institute of Technology Bhubaneswar invites **applications in the prescribed format** from the eligible regular employees of the Institute for appointment to the following promotional posts through Limited Departmental Examination (LDE) as per the Recruitment and Promotion Policy (RPP-2021) for non-teaching staff.

क्र.सं. Sl. No.	पद का नाम / Name of the post	रिक्तियों की संख्या / Number of vacancies				वेतन स्तर / Pay Level As per 7th CPC
		UR	SC	ST	Total	
1.	तकनीकी अधीक्षक / Technical Superintendent	15	2	1	18	Level- 8
2.	कनिष्ठ अधीक्षक / Junior Superintendent	04	0	0	04	Level- 6
	TOTAL	**19**	**2**	**1**	**22**	

Employees who are eligible under the provisions of the RPP-2021 may submit duly filled and signed application (*format enclosed*) with all necessary enclosures, through respective section heads to the Assistant Registrar (Recruitment), latest by 15th December 2025.

General Instructions:

a) Applicants should read carefully the requisite minimum criteria for essential qualifications, required experience in the feeder post, residency period etc. for the above posts as mentioned in the RPP-2021.
b) The Selection in the above posts as advertised will be made as per the provisions mentioned in 'Recruitment and Promotion Policy (RPP)- 2021' of IIT Bhubaneswar and other pertinent regulations of Govt. of India.
c) Eligibility and marks distribution will be as per RPP-2021.
d) Candidates falling short or not fulfilling any of the criterion as mentioned in the RPP-2021 will not be considered for promotion and their application will be summarily rejected.
e) Applicants are required to calculate their eligibility/experience as on cut-off date, which is 01 July, 2025.
f) The Institute also reserves the right NOT to fill any of the posts advertised, in the event of exigency so decided.
g) The employees under currency of penalty are not eligible for applying through LDE. However, if the disciplinary case is pending/contemplated against an employee on the cut-off date for eligibility, the concerned employee may be allowed provisionally to appear in LDE subject to final outcome of the proceedings.
h) In case of any dispute/ambiguity/confusion that may occur in the process of selection, the decision of the competent authority shall be final.
i) The scheme & syllabus for the Limited Departmental Examination (LDE) is enclosed as *Annexure-II.*
j) Last date of submission of application: **15th December 2025.**

Sd/-
Registrar

भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

*(**Form:** 01/LDE/Rectt.)*

Application for Limited Departmental Examination (LDE)
(As per the provisions of RPP-2021)

1.	**Post Applied for**	
2.	**Name of the Employee**	
3.	**Employee Code**	
4.	**Category**	
5.	**Current Designation/Post**	
6.	**Date of Confirmation in the current designation/post**	
7.	**Department/Section/School**	
8.	**Date of joining the Institute and initial Pay Level**	DoJ**:**___/___/_____ (DD/MM/YYYY) Pay Level**:**
9.	**Present Pay Level**	
10.	**Years of service in present post**	
11.	**Date of last promotion (if any)**	
12.	**Educational/professional qualification acquired during the period of service at IIT Bhubaneswar (if any)**	

- I hereby declare that all the information furnished above is true and correct.
- I have read and understood the provisions of the LDE outlined in RPP-2021 and confirm my eligibility for the LDE for promotion.
- I acknowledge that fulfillment of the eligibility conditions does not ensure promotion.

Signature of the employee
Date:

Recommendation of forwarding authority (Head of Department/Section/School)

☐ Recommended and forwarded ☐ Not Recommended	Name: Signature:

To,
Assistant Registrar (Recruitment)
IIT Bhubaneswar

(Annexure-II)

Scheme of Examination and Syllabus for Written Test and Skill Test for Junior Superintendent (PL-06):

Particulars	Maximum Marks	Duration	Syllabus
Written Test (MCQ and Descriptive)	100 marks	2 Hours	1. Rules of Academics 2. Rules of Establishment 3. Rules of Finance, Accounts & Audit 4. Rules of Stores and Purchase 5. General Financial Rules (GFR) 6. Noting and Drafting
Skill Test/ Job Proficiency Test (Qualifying)	100 marks	1 Hour	1. General computer ability in MS-Office like word processing, Excel, Power point etc. 2. Data handling 3. Proficiency in English 4. Noting & Drafting 5. Case based solution

Scheme of Examination and Syllabus for Written Test and Skill Test for Technical Superintendent (PL-08):

Particulars	Maximum Marks	Duration
Written Test (MCQ and Descriptive)	100 marks	2 Hours
Skill Test/ Job Proficiency Test	100 Marks	3 Hours

Technical Superintendent	
School/ Department	**Syllabus**
School of Basic Sciences (Chemistry)	**Written Test:** 1. Some Basic Concepts of Chemistry 2. Atomic Structure 3. Periodic Tables 4. Basic Coordination Chemistry 5. Chemical Bonding and Molecular Structure 6. Chemistry of s-block and p-block elements 7. Redox Reaction 8. Gaseous and liquid states 9. Thermodynamics 10. Chemical Kinetics 11. Chemical equilibrium 12. Electrochemistry 13. Organic Chemistry – Some Basic Principles and Techniques 14. Nomenclature of Organic Compounds 15. Mechanism of Organic Reaction 16. Electromagnetic Spectrum 17. Infrared Spectrometry 18. Nuclear Magnetic Resonance 19. Basic Lab techniques and safety rules **Skill Test/ Job Proficiency Test:** 1. Determination of strength of an unknown acid by titration method using an appropriate indicator. 2. Confirm the strength of the given acid by pH metric titration method. 3. Determination of rate constant of ester hydrolysis by acid catalysis. 4. Verification of Beer-Lambert's law and determination the concentration of a reducing sugar by DNS method. 5. Determine the Rate of the hydrolysis of a sucrose solution using polarimeter 6. Semi-micro analysis of transition metal and rare earth metal ions in a mixture by using Spot technique. 7. Estimation of phosphoric acid in soft drinks. 8. Preparation of tribenzyl tin chloride, Fe(acac)3, Ni(DMG)2 complexes and their characterization using UV-Vis, IR and NMR techniques. 9. Preparations of various organic compounds employing different reactions such as Diels- Alder reaction between furan and maleic acid, Thiamine hydrochloride catalyzed benzoin condensation, Pechmann condensation for coumarin synthesis, Electrophilic aromatic substitution reaction,

	Radical Coupling reaction, three components coupling reaction etc and followed by characterization using UV and IR technique.
School of Electrical and Computer Sciences (Electrical Engineering)	**Written Test:** 1. **Basic Electrical Engineering:** Steady state and transient analysis of DC circuits, steady state analysis of single phase and three phase AC circuits; Theorems for network analysis such as Superposition, Thevenin, Norton, and Maximum Power transfer; Balanced and unbalanced loads in three phase systems; Power measurement in AC circuits. 2. **Electric Machines:** DC Generators; DC Motors; Single Phase Transformer; Auto Transformers; 3-Ph transformer; 1-ph & 3-ph Induction Motor; Synchronous Motor; Alternator. 3. **Electrical Measurement & Instrumentation:** Standards of Measurement & Errors, Voltmeter, Ammeter, Multimeter Wattmeter and Energy meter; Measurement of low, medium and high resistances, AC bridges for inductance and capacitance measurement; Current and Potential transformers; Time, Frequency and phase angle measurements using CRO. 4. **Power Electronics:** Power devices such as diode, transistor, mosfets; Firing circuits and gate drivers; Uncontrolled and controlled rectifiers; Step up and step down choppers; Square wave inverter. 5. **Control System Engineering:** Mathematical model of a system; Block diagram algebra & signal flow graphs; Time response analysis of 1st, 2nd order system with and without time delay; Open-loop, feed-forward and closed-loop control; Bounded-input Bounded-output and asymptotic stability concepts, Routh-Hurwitz criterion; Root locus diagram and its application; Nyquist stability criterion, Nyquist and bode plots with applications; PID controller: Design and characteristics; Lead, lag and lead-lag compensators. 6. **Power System:** Performance of short & medium lines, Regulation and efficiency of transmission line, Line parameter; Compensation of overhead lines including Ferranti effect; Symmetrical and unsymmetrical faults, circuit breakers, Protection relay characteristics (over current, distance, differential relays), Underground cable; Dielectric strength, String Efficiency, Power Factor Improvement. 7. **Renewable Energy Systems:** Model of PV cells, Characteristics and control aspects of standalone and grid-connected renewable energy systems. **Skill Test/ Job Proficiency Test:** 1. Testing, troubleshooting, and repairing of standard equipment like power supplies, auto transformer, rheostat, voltmeter, ammeter, wattmeter etc. 2. Maintenance of server based simulation softwares related to EE Simulation Lab. 3. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of BEEE Lab (EE). 4. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Electrical Machines. 5. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Power Electronics. 6. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Measurement & Electronic Instruments. 7. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Control System. 8. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Power Systems. 9. Experiments related to the BTech(EE) Lab at IIT BBSR in the area of Renewable EnergySystems.