

# LESSON PLAN


**SUB: ELECTRICAL ESTIMATION AND CONTRACTING  
LABORATORY**

**BRANCH:- ELECTRICAL ENGG.  
SEMESTER: 4<sup>th</sup>**

**NAME OF FACULTY: NRUSINGH CHARAN BEHERA**

**GOVERNMENT POLYTECHNIC,  
JAJPUR  
SESSION:2025-26**

  
92.09.2025  
Hod, Electrical

  
Academic Co-ordinator

  
Principal 22/12/25  
Govt. Polytechnic, JAJPUR

DISCIPLINE ELECTRICAL	SEMESTER 4 <sup>TH</sup>	NAME OF THE TEACHING FACULTY: NRUSINGH CHARAN BEHERA
SUBJECT: ELECTRICAL ESTIMATION AND CONTRACTING LABORATORY	NO. OF DAYS/WEEK CLASS ALLOTTED – 60Hr(4P/week)	SEMESTER FROM DATE: 22.12.2025 to 18.04.2026
WEEK	CLASS DAY	PRACTICAL TOPICS
1st	Group-A/Group-B	Introduction to laboratory rules & regulation.
2nd	Group-A/Group-B	Prepare a tender notice for purchasing a transformer of 200 KVA for commercial installation.
3rd	Group-A/Group-B	Prepare a quotation for purchasing different electrical material required.
4th	Group-A/Group-B	Prepare a comparative statement for above material Prepare purchase order for the same.
5TH	Group-A/Group-B	Design drawing, estimating and costing of hall / cinema theater / commercial installation. Prepare report and draw sheet.
6TH	Group-A/Group-B	Design drawing, estimating and costing of hall / cinema theater / commercial installation. Prepare report and draw sheet.
7 <sup>TH</sup>	Group-A/Group-B	Design electrical installation scheme for any one factory / small industrial unit.
8 <sup>TH</sup>	Group-A/Group-B	Draw detailed wiring diagram. Prepare material schedule and detailed estimate. Prepare report and draw sheet.
9 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the electrical Installation of streetlight scheme for small premises after designing.
10 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the electrical Installation of streetlight scheme for small premises after designing.
11 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the L.T. line installation. Prepare report and draw sheet.
12 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the L.T. line installation. Prepare report and draw sheet.
13 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the 500 KVA, 11/0.433 KV outdoor substation and prepare a report
14 <sup>TH</sup>	Group-A/Group-B	Estimate with a proposal of the 500 KVA, 11/0.433 KV outdoor substation and prepare a report
15 <sup>TH</sup>	Group-A/Group-B	Laboratory assessment

SIGNATURE OF FACULTY