

22-23
SHE LAB



GOVERNMENT POLYTECHNIC, KORAPUT
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: MECHANICAL ENGG	Semester: 5TH	Name of the Teaching Faculty: Sri. GANESH DALAI Sri. TAPAN HANSDA
Subject: HM & IFP LAB MANUAL	No. of days/per week class allotted: 4	Semester From date: 01-08-23 To Date: 30-11-23 No. of Weeks: 15
Week	Class Day	Theory/Practical Topics
1 st	4-7	Introduction of ME lab-2 and safety precautions.
2 nd	4-7	Performance test on impulse turbine and to find out the efficiency,
3 rd	4-7	Performance test on Kaplan turbine and to find out the efficiency.
4 th	4-7	Performance test on Francis turbine and to find out the efficiency.
5 th	4-7	Performance test on centrifugal pump and to find out the characteristic curves
6 th	4-7	Direct operation of single & double acting pneumatic cylinder.
7 th	4-7	Operating double acting pneumatic cylinder with quick exhaust valve,
8 th	4-7	Speed control double acting pneumatic cylinder using metering in and metering out circuits,
9 th	4-7	Direct operation of single & double acting hydraulic cylinder,
10 th	4-7	Direct operation of hydraulic motor,
11 th	4-7	Speed control double acting hydraulic cylinder using metering in & metering out circuits.

Ganesh Dalai
01/08/23

Sign. Of Faculty
concerned

M. K. Hansda
04/08/23

Sign. Of HOD/IC