

DARBHANGA COLLEGE OF ENGINEERING
MECHANICAL ENGINEERING DEPARTMENT

1. DESIGN LAB

Package Name:Mech P19

Package Code:TEQIP- III/BH/dced/227

S. No.	Details of instruments / equipment	Qty.
1	Universal speed governor apparatus (Watt, Porter, Proell and Hartnell governor) height of governor: 10 to 15 cm, speed: 1000- 2000 rpm	1 set
2	Static and Dynamic Balancing apparatus Weight: 0.2- 10 Kg, balancing speed range: 500- 3000 rpm	1

Note: Detailed specification of the items will be attached in the invitation letter.

2. PRODUCTION LAB

Package Name:Mech P20

Package Code:TEQIP- III/BH/dced/228

S.No.	Details of instruments / equipment	Qty.
1.	Wire EDM Mo- wire 0.15-0.30 mm, Voltage Range: 30- 300 V,	01

Note: Detailed specification of the items will be attached in the invitation letter.

Package Name:Mech P21

Package Code:TEQIP- III/BH/dced/229

S.No.	Details of instruments / equipment	Qty.
1.	Robot 8051 microcontroller, 4 motors to control the movement of the vehicle via RF remote	01

Note: Detailed specification of the items will be attached in the invitation letter.

3. THERMAL LAB

Package Name:Mech P22

Package Code:TEQIP- III/BH/dced/230

S.No.	Details of instruments / equipment	Qty.
1.	Model of Cochran Boiler Shell about 25 cm in diameter and 60 cm high.	01
2.	Model of Lancashire Boiler length about 1m, breadth about 37cm, height about 45cm with all mountings	01
3.	Model of Babcock Boiler Length- about75 cm, breath about 28 cm With all mountings	01
4.	Model of Wilcox Boiler Length- about75 cm, breath about 28 cm with all mountings	01
5.	Model of Impulse steam turbine Medium size model	01
6.	Model of Reaction steam turbine Medium size model	01

Note: Detailed specification of the items will be attached in the invitation letter.

Package Name:Mech P23

Package Code:TEQIP- III/BH/dced/231

S.No.	Details of instruments / equipment	Qty.
1.	Reciprocating Pump Test Rig. Electric motor of capacity: 1 HP D.C. three phase at 440 V Drive from the motor, Reduction pulley belt drive.	01
2.	Kaplan Turbine Pump Capacity: 4.5- 5hp, Sump tank : 400-500ltrs, electrical generator dynamometer loading.	01

Note: Detailed specification of the items in all packages will be attached in the invitation letter.