

INTRODUCTION

Govt. of India have set up a few Tool Room & Training Centres of large size involving estimated cost of over Rs. 50 crores each, in order to provide facilities for design and manufacture of toolings, and also for training to improve the skill of tool makers, for the benefit of industries in MSME sector. A list of Tool Rooms presently being supported by Govt. of India, and by some States is given in Annexure-I.

MINI TOOL ROOM & TRAINING CENTRE SCHEME

In order to meet the growing demand of Tools and dies in the country, particularly in the MSME sector, Govt. of India have decided to assist the State Govts. To set up Mini Tool Room and Training Centres. A typical such centre can be set up at an estimated cost of around Rs. 15 crores (including Rs. 10 crores towards cost of machinery/equipment). However, the cost may vary depending upon the activities proposed to be undertaken. The Central assistance will be in the form of one time grant-in-aid equal to 90% of the cost of machinery/equipment (restricted to Rs. 9.00 crores in each case) in the case of a new Mini Tool Room, and 75% of the cost of machinery/equipment (restricted to Rs. 7.50 crores) in case of an existing Mini Tool Room to be upgraded/modernised. The balance cost of machinery/equipment, the cost of land and buildings and the recurring costs would be met by the States/State Agencies. The scheme will be implemented as a Centrally sponsored Scheme, for which approval of the Planning Commission has been obtained.

OBJECTIVES

The objectives of the Mini Tool Room & Training Centres would be-

- a. To manufacture Jigs, fixtures cutting tools, gauges, press tools, plastic moulds, forging dies, pressure casting dies and other toolings for Small Scale Industries. Advanced tool making process using CAD/CAM techniques are to be adopted.
- b. To provide training facility in tool manufacturing and tool design to generate a work force of skilled workers, supervisors, engineers/designers etc.
- c. To work as a Nucleus Centre for providing Consultancy, information service, documentation etc, for solving the problems related to toolings of industries in the region.
- d. To act as a common facility Centre for small scale industries and to assist them in product and prototype development.

PRODUCER FOR PROCESSING PROPOSAL

STATE GOVT.

The State Govts., desirous of setting up Mini Tool Room and Training Centres would formulate proposals on the basis of demand surveys. The details of land requirements, buildings, machinery/equipment would be drawn, and the cost estimates would be worked out. (A suggested list of machinery/equipment for a typical Mini Tool Room, is given at Annexure-II) The State Govts, will, however, be free to make changes in the list of machinery taking into account the specific needs of the industry to be served.

The State Govts, would obtain approval of their competent authorities, and then forward the proposals (in the prescribed format in Annx. III) to Govt. of India, Office of Development Commissioner (MSME), 7th Floor, Nirman Bhawan, New Delhi - 110 011 for grant of Central assistance. While forwarding the proposals to Govt. of India the State Govts would confirm that they would meet the balance costs of the machinery/equipment the cost of land and buildings and also the recurring costs.

GOVT. OF INDIA

Office of DC(MSME) while scrutinizing the proposals received from the State Govts., would take into account the geographical spread of the existing Tool Rooms and also the financial viability of the proposals.

RELEASE OF GRANT-IN-AID

Central assistance will be released to State Govts./State Agencies in instalments, on receipt of specific requests from the State Govts. after the infrastructure facilities have been created, and the proposals to procure the machinery has been finalised, and after the State Govts. have made necessary budget provisions to meet their share of expenditure.

The State Govts./State Agencies would furnish utilisation certificates to Govt. of India in accordance with the provisions of GFRs.

After a Mini Tool Room & Training Centre become finally operational, the State Govt./State Agencies would send a completion report to Govt. of India for information. Thereafter, the Annual Report of the Centre may also be sent to Govt. of India for a period of 5 years, to assess the performance of the Scheme.

The State Govts./State Agencies shall keep a provision for including a nominee of Central Govt. on the Governing Boards of the Implementing Agencies.

ANNEXURE - I

EXISTING TOOL ROOM & TRAINING CENTRES

A. Tool Rooms supported by MSME-DO

1. Central Institute of Tool Design, Hyderabad
2. Central Tool Room, Ludhiana
3. Central Tool Room & Training Centre, Kolkata
4. Central Institute of Hand Tools, Jalandhar
5. Hand Tool Design & Training Centre, Nagaur
6. Indo German Tool Room, Ahmedabad
7. Indo German Tool Room, Aurangabad
8. Indo German Tool Room, Indore
9. Indo Danish Tool Room, Jamshedpur
10. Central Tool Room & Training Centre, Bhubaneswar.

B. Tool Rooms supported by States

1. Institute of Training & Tool Room, Lucknow.
2. Govt. Tool Room & Training Centre, Bangalore.
3. Tool Room & Training Centre, Delhi.
4. Govt. Tool Room and Training Centre, Mysore.
5. Tool Room & Training Centre, Mapusa (Goa).

ANNEXURE-II

MINI TOOL ROOM & TRAINING CENTRES

SUGGESTED LIST OF MACHINERY

S. No	Description of Machine/Equipment	Size/Specification	Quantity (Nos)	Estimated Unit Price (Rs. in lakhs)	Estimated Total. Cost (Rs. in lakhs)
1.	Shaping	300 mm stroke	2	1.50	3.00
	Shaping machine				
2.	Turning	250x800mm	5	7.00	35.00
	Conventional Lather CNC Lathe	250x400 mm	3	20.00	60.00
3.	Milling	600x450x450mm	6	8.00	48.00
	Conventional Milling	600x450x450mm	2	40.00	80.00
	CNC Milling Electrode Making		1	11.00	11.00
	Pantograph		1	3.00	3.00
4.	Grinding	100x350-130x630mm	3	12.00	36.00
	Cylindrical Grinding		3	13.00	39.00
	Surface Grinding Tool & Cutter Grindign	600x300-800x450mm	2	10.00	20.00
	Testing & Inspection Equipment (profile Projector, Height Micrometer, Slip Boxes, Comparator etc.	130x630mm	lot	30.00	30.00
5.	Advance Machines	400x250x250mm	1	35.00	35.00
	CNC Wirecut Spark Erosion Jig Boring	550x300x300mm	2	12.50	25.00
	Jig Grinding	450x250x300mm	1	65.00	65.00
	3D Coordinate Measuring	450x250x300mm	1	80.00	80.00
		600x450x600mm	1	35.00	35.00
6.	CNC Training	PII Server/Clients	8		
	Programming Stations	/Software	2	1.00	8.00
	Trainer Lather	70x300mm	2	12.50	25.00
	Trainer Milling	Table Top/Software		12.50	25.00
		Table Top/Software			

7.	CAD/CAM	Artisan/solidworks	7	2.00	14.00
	CAD Programmes	Artisan/Master CAM	6	2.00	12.00
	CAM Programmes				
8.	Allied Equipment		Lot	25.00	25.00
	Head Treatment		3		
	Direct/Case/Tempering	15 mm, 25mm & 40 mm	1	0.50	1.50
	Drilling	63mm	3	6.00	6.00
	Radial Drilling	150mm,200mm	1	0.20	0.60
	Pedestal/Bench Grinder		1	0.75	0.75
	Arc Welding Set	250mm	1	0.75	0.75
	Gas Welding/Cutting			0.75	0.75
	Power Hacksaw				
9.	Filling		28	1.25	
	(Work Benches, lockers etc).				35.00
10	Tryout machines	100MT		20.00	20.00
	Power Press	130MT	1	25.00	25.00
	Injection Moulding Machine		1		
11.	Accessories	Carbide, HSS, Grinding Wheels	2 sets	25.00	25.00
	Cutting Tools, Consumable	Sleeves, Collets/holders	2 sets	25.00	25.00
	Machine Accessories	Calipers, Micrometers	2 sets	15.00	15.00
	Measuring Instruments	Spanners, Files etc.	2 sets	10.00	10.00
12.	Service Equipment	250 KVA	1	20.00	20.00
	DG, Set	Pallet Truck,	lot	25.00	25.00

Air Conditioning Eqpt.	Scissor Table	lot	10.00	10.00
Material Handling	Elect. DBs, UPS etc.	lot	10.00	10.00
Air Compressors Piping		lot	40.00	40.00
Misc. Equipment				
Total Cost				1,059.35

Note:-

1. Office equipment/furniture shall not form part of plant and machinery.
2. The above machinery and its configuration is subject to change depending upon activities to be taken up and the needs of the area and other local parameter.
3. The estimated cost of machines given is indicative and while submitting the proposal, the actual cost be ascertained from the suppliers.