

Third Supplement of the Revised Guidelines on the Credit Linked Capital Subsidy Scheme (CLCSS) for Technology Upgradation of Micro and Small Enterprises approved by the Technical Sub-Committee on the CLCSS (TSC) in its 8th meeting held on the 1st *day of June, 2010* under the chairmanship of the Additional Secretary & Development Commissioner (MSME)

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INDEX

<u>Sr. No.</u>	<u>Technology Need</u>	<u>Page No.</u>
1.	Technologies	2-7

(iv)– Drugs and Pharmaceuticals

(iv)(a)

List of Machineries/ Equipments Recommended for Drug And Pharmaceutical Products, Sub-Sector-Wise (Including the Existing Technologies In The CLCSS) Required for Schedule ‘M’ Compliance and Indian/International Standards for Inclusion at S. No. IV in the Credit Linked Capital Subsidy Scheme For Technology Upgradation.

The existing technologies required for schedule M compliance and National/International Standards included under the heading at iv(a)- Bulk Drugs in the 2nd supplement of the revised guidelines may also be allowed for pharmaceutical units and the entries at Sr. 47, 50, 129 & 130 in iv(a) of the 2nd supplement of the revised guidelines may be read as deleted.

(vii) Plastic Moulded/Extruded Products and Parts/ Components including reinforced plastic/composite material

(vii)(e) Printed lamination/multiplayer Plastic films

S.No.	Activity	Technology needs	Approx, cost (Rs. in lakhs)	Advantages
6	Lamination	Adhesive base lamination machine with tension controlled AC/DC Drives, synchronized with main drive, web guide system, digital auto tension and all modern equipments	Upto 25.00	Better quality and high efficiency
7	Doctoring Process	Doctoring machine with web camera and allied modern accessories	8.00	Enhance printing quality, speed, less rejection and high productivity
8	Slitting	Slitting machine with web guide system, CCD Camera, AC Drives and tension controller	25.00	High speed and productivity, low manpower required. Saving in setting time of job

x) **Poultry Hatchery & Cattle Feed Industry**

S.No.	Activity	Technology needs	Approx, cost (Rs. in lakhs)	Advantages
2.1	Animal Feed/Cattle Feed Manufacturing	Same as mentioned in Para x (2) of the guidelines printed as on 20.4.2006	Same as mentioned in Para x(2) of the guidelines printed as on 20.4.2006	Same as mentioned in Para x (2) of the guidelines printed as on 20.4.2006

xx) Wires and cables including enamelled wire industry

S. No.	Activity	Technology Need	Approx. Cost (Rs. lakh)	Advantages
2.	Enamelled Copper wires	<p>i) Road breakdown machine (RBD) with resistance annealer</p> <p>ii) Enamelling machines with catalyst</p>	<p>125.00</p> <p>100.00</p>	<p>At present the process of manufacture of enameled wires, is as under:-</p> <p>i) Copper Rods are first drawn on Bull Block from 8.00 MM to 2.5 MM</p> <p>ii) The same is annealed on annealing furnaces</p> <p>iii) It is further drawn on wire drawing machine from 2.5 MM to the required sizes.</p> <p>iv) Enamelling coating is done on conventional enamelling machines.</p> <p>With the new technology, the process will be completed in 2 to 3 stages with excellent quality of international standards:-</p> <p>i) Copper rods are drawn from 8.0 MM to 1.2 MM duly annealed on RBD.</p> <p>ii) If required thinner than 1.2 MM, the same can be further drawn on wire drawing machine (with resistance annealer)</p> <p>iii) Enamelled coating is thereafter done on catalyst fitted enamelling machine.</p>

xxvi) General Engineering Works:

S. No.	Activity	Technology Need	Approx. Cost (Rs. lakh)	Advantages
1.b	Fabrication of Stainless Steel	CNC Abrasive water jet cutting machine	70	Environmental friendly, better productivity, saving raw material, low power consumption for higher thickness.

xxxxix.) Copper Strip Industry:

S.No.	Activity	Technology needed	Approx. Cost (Rs. in lakhs)	Advantages
1.	Continuous Extrusion Production Line for copper strip	Extrusion of copper rods for production of copper strip	75	<ol style="list-style-type: none">1. Feed stock be pure copper and copper alloy2. Neither heating nor annealing process, less energy cost3. One feed stock size, one process, one die for production4. Smooth surface, no peel and small stick defect, high electrical and insulation capability5. High and even quality product resulted by the hot deformation, solid dense and fine crystallization improve the performance of the product.