

Manufacturing of Battery Case

Name of Project	Facility for Manufacturing of Battery Case
Project Location	Gelapukhuri, Tinsukia, Assam
Area Requirement	Land required : 1,110 Gram Battery Box: 15,000- 20,000 sq ft 1,500 Gram Battery Box: 12,000- 15,000 sq ft 2,000 Gram Battery Box : 15,000-20,000 sq ft
Approx. Project cost	Total cost (Machinery and Mould): 1,110 Gram Battery Box: ~INR 114-140 lakh 1,500 Gram Battery Box: ~INR 124-150 lakh 2,000 Gram Battery Box: ~INR 150-176 lakh
Project Scale	Capacity: Production capacity per day for 22 hours: 1,110 Gram Battery Box : a.1,760 pieces @45 seconds for 1 litre Battery case b.3,168 pieces @25 seconds for single Battery Lid 1,500 Gram Battery Box: a. 1,320@60 seconds for single Battery case b. 3,168 pieces @25 seconds for single Battery Lid 2,000 Gram Battery Box: a. 1,056 pieces @75 seconds for single Battery case b. 3,168 pieces @25 seconds for single Battery Lid
Process	<p>Manufacturing Process</p> <p>PP is fed into the hopper of the injection moulding machine</p> <p>The mould is held between the two platens which are kept closed by the locking pressure. Prior to mould closure, the metal insert is skilfully kept in the mould.</p> <p>The material which gets plasticized in the barrel is injected under higher pressure into the Mould which results in a moulded article i.e. Battery Lid with Metal Insert. On similar terms, a Battery Case is also manufactured, but with or without rim, depending upon the mould.</p> <p>The Battery Case is then finished by removing the injection feed etc.</p> <p>The second stage processing operations such as printing, labelling are carried out on the Battery housing.</p>
Utilities	1,110 Gram Battery Box Electricity (connected Load) : 150 KW Water: 100 litre/min. 1,500 Gram Battery Box Electricity (connected Load): 155 KW Water: 100 litre/min 2000 Gram Battery Box Electricity (connected Load): 165 KW Water: 100 litre/min Water will be circulated through fixed tank capacity is 15,000-20,000 liter
Manpower Requirement	1,110 Gram Battery Box - 13 workers 1,500 Gram Battery Box - 13 workers 2,000 Gram Battery Box -13 workers
Nodal Agency	Assam Industrial Development Corporation (AIDC)

