

**MAKE IN INDIA (UNDER MAKE-II) PROJECT BRIEF FOR
MULTI PURPOSE FORK LIFT TRUCK**

1. **Mission Needs.** Material handling in rough terrain of varied load/ size upto 4 Ton.
2. **How Mission Currently Undertaken.** Manually, including breaking down of load where feasible.
3. **Solution Proposed.** A Multi Purpose Fork Lift Truck which can operate in rough terrain with number of different attachments to lift different kind of loads.
4. **Key Technologies Involved.** Advance technologies in hydraulic, pneumatic and vehicle systems.
5. The operational requirement would be as under:-
 - (a) Weight Lifting Capacity at fully retracted boom not less than 4 Ton and capability to lift minimum 2.5 Ton of weight with forward reach of not less than 6 metre and height not less than 3.7 metre.
 - (b) Four wheel drive and steer.
 - (c) Gradient negotiability of not less than 20% with full load capacity.
 - (d) Boom/ fork to be operated/ powered by vehicle engine.
 - (e) To be able to operate in temperature range of (-)15°C to 45°C and altitude upto 4500 metres.
 - (f) Attachments required:-
 - (i) Two Hand Pallet Trucks.
 - (ii) One Crane Attachment.
 - (iii) One Barrel Lifting Attachment.
 - (iv) One Dozing Blade Attachment.
 - (v) One Bucket Attachment.
6. **Tentative Quantity.** Approximately 125 Nos.
7. **Broad Timelines.** Broad Timelines are as per DAP 2020.
8. **Assistance Available during Design & Development Phase.**
 - (a) Detailed briefing on operational requirements.
 - (b) Brief on type of loads that would be handled by equipment.
 - (c) Brief on visualised tasks for the equipment.
 - (d) Provide platform for continuous interaction during development.

Contact Details of Project Officer.

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