

Code No. \_\_\_\_\_

**Specifications: Dust Collector**  
**(On Turnkey Basis)****Qty: 01 Set****Purpose:** This machine is used for extraction of dry wood and plastic dust & chips.

<b>SL. NO.</b>	<b>DESCRIPTION OF REQUIREMENT</b>	<b>REQUIRED</b>	<b>REMARKS</b>
<b>A</b>	<b>Technical specification</b>		
1	Dimensions (WxDxH)	1550 x 850 x 1950 mm (minimum)	
2	Nominal volume flow	3000 m <sup>3</sup> /h	
3	Sound intensity level	Max. 60 dB(A)	
4	Cleaning performance	More than 99 %	
5	Chippings collection volume	Min. 95 litre	
6	Residual dust content	0.1 mg/m <sup>3</sup>	
7	Suction performance regulated by frequency controller	Confirm	
8	Air return via filter system	Confirm	
9	Motorized cleaning	Confirm	
10	Fine particle filter	Confirm	
11	Dust collector should be compatible to connect minimum 3 nos. of machines.	Confirm	
12	Length of each hose pipe (To connect 3 nos. of machines)	Minimum 3 m each	
13	Suction connector should be compatible to connect the diameter range from 100 mm to 120 mm.	Confirm	
14	Touch screen controller	Confirm	
15	Automatic vibrating/shaking cleaning	Confirm	
16	Fine particle filter	Confirm	
17	Controller for automatic start-up of processing machines with potential-free contact	Confirm	
18	Controller should be touch screen	Confirm	
19	Power consumption	Vendor to confirm	
20	Weight of machine	Minimum 450 kg	
21	<b>Electrical Accessories</b>		
21.1	Electric Supply Phase, Voltage, Frequency	3x 400 V ± 6% , 50 Hz ± 3%	
21.2	Connecting cable	Minimum 5 m connection cable with CEE plug and CEE socket	
22	Warranty	24 months	
<b>B</b>	<b>Accessories</b>		
1	Exhaust hose with firmly embedded steel wire spiral	Confirm	
1.1	Flame resistant	Confirm	
1.2	Material	Polyurethane	
1.3	Exhaust hose diameter range	100 - 120 mm	

2	Wall ducting (as shown in layout)	Confirm	
2.1	Pipe material	Galvanized Iron (GI)	
2.2	Diameter range	135 -155 mm	
2.3	Vendor has to ensure sufficient support for wall ducting, In case the structure found weak ALIMCO may ask free of cost for replacement/repair.	Confirm	
3	All the hose pipe, ducting pipe & hose clips should be compatible to attach.	Confirm	
<b>C</b>	<b>Documentation</b>		
1	Installation and Commissioning instruction	Each documents 3 sets of hard copy and 1 set of soft copy along with delivery	
2	Operating instruction		
3	Preventive maintenance instructions		
4	Lifting instruction mentioned in packing list		
5	Detailed invoice and packing list of all items, devices and detailed prospect of machine and all other accessories enclosed in respective boxes		
<b>D</b>	<b>Installation and Commissioning</b>		
1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm	
2	All logistic, Grouting & any other Civil work has to done by Vendor (If any)	Confirm	
3	All electrical Items should be Tropicalized	Confirm	
<b>E</b>	<b>Training at installation place</b>		
1	Operator training	1 day	
2	Maintenance course mechanical, electrical and electronics (All Inclusive)	1 day	

**Delivery period including installation & commissioning:**

The delivery period including installation & commissioning of machine/equipment at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 3 months from the date of placement of Purchase Order/work contract.

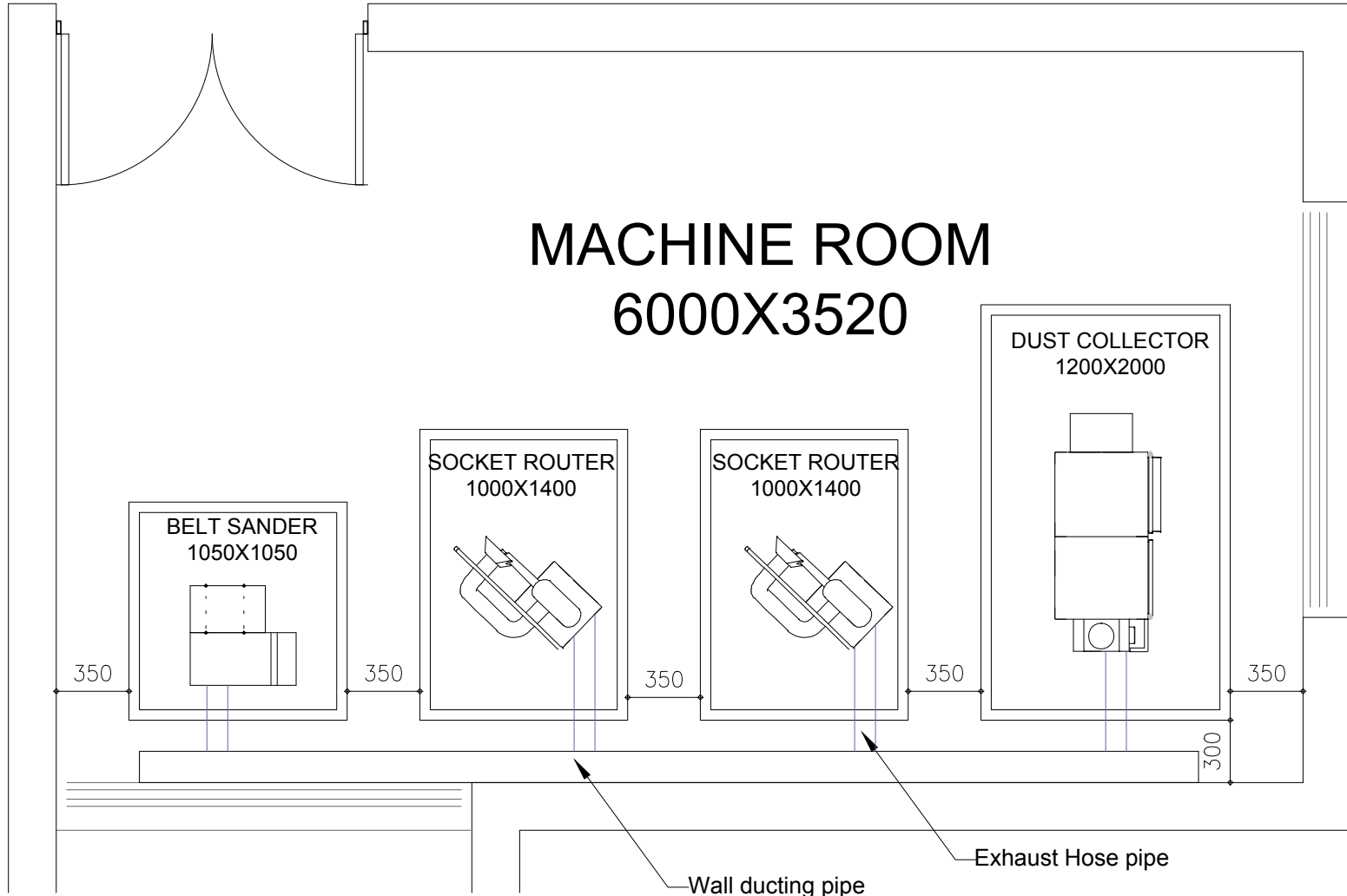
**Warranty:**

Machine inclusive of all system/accessories should be covered under warranty for a period of 24 months from the date of commissioning.

**Note:**

1. Machine shall be supplied with 3 sets of comprehensive operation and maintenance manual.
2. Breakdown calls to be attended within 48 hrs.
3. Supply to be done on Turnkey Basis. ALIMCO shall provide electrical supply power source near to the place of installation. Sufficient suitable cable, cable tray and fitting to connect the machine from power source are in vendor's scope.
4. Total power consumption (in KW) to be provided by the tenderer.

# MACHINE ROOM 6000X3520



All dimensions are in mm.

M/S ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA			
Created By: VIVEK	Checked By: RONEY	Scale: 1:1	Date: 12.12.2018
DWG : APOC MACHINE ROOM LAYOUT			
SITE : ALIMCO KANPUR			