

**“STORAGE RACKS & BINS SYSTEMS”  
(ON TURNKEY BASIS)**

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

Qty. – 01 Set

**Purpose:** Storage racks & bins system to store Rims (Tricycle Rims) required for various assemblies.

Sl. No.	DESCRIPTION OF REQUIREMENT	REQUIRED
<b><u>FOR AAPC JABALPUR</u></b>		
<b>A</b>	<b>Scope of work:</b>	
i	Complete design of storage system: we are providing the basic data & vendor to design the Racks & Bins as per given shape & size, load data and selection of material.	Confirm
ii	Manufacturing of storage systems components	Confirm
iii	<b>Delivery: AAPC Jabalpur site (34 Storage racks &amp; 136 bins)</b>	Confirm
iv	Site installation and commissioning along with necessary foundations	Confirm
v	Supply of bins; as per given bins details	Confirm
<b>B</b>	<b>Bin storage system (Drawings attached)</b>	
1	No. of storage racks	34 nos.
2	Length of each storage rack	Min. 1700 mm (ID)
3	Height of each rack	4000 mm
4	Rack's per level load carrying capacity	Min. 800 kgs/Level
5	Total no. of levels per storage rack	04 nos.
6	Total no. of Bins provided by vendor	136 nos.
7	Specification of Bins (Drawings Attached)	
7.1	Bin's internal length	Min. 1500 mm
7.2	Bin's internal width	Min. 680 mm
7.3	Bin's internal height	Min. 950 mm
7.4	Partition plate thickness	Min. 1.2 mm
7.5	Solid Bar between two different size of rims in the bins (mention in drawing)	Round bar Min. 10 mm dia. <b>Or</b>

		Square Bar Min. 10mmx10mm
7.6	No. of solid bar per bin	Min. 06
7.7	Height of solid bar	Min. 400 - 500 mm
7.8	Solid bar should be welded to the base plate	Confirm
7.9	Position of solid bar will be decided after finalization of item/storage system.	Confirm
7.10	Load carrying capacity of each Bin	Min. 600 Kgs/Bin
7.11	Each bin should have a metallic pallet in it for fork arm reach and holding	Confirm
7.12	Height in the bin for fork arm reach and holding arrangement from the base.	150
7.13	Each bin should have safety barricading and fall arrest systems	Confirm
7.14	Each bin should be metal meshed from all four sides.	Max. 2 " x 2 " (metal mesh)
8	Material of racks & bins system	Mild Steel
9	Vendor to design the complete system with consideration of load carrying capacity of bins & racks.	Confirm
<b>C</b>	<b>General conditions for structures.</b>	
1	Design to smooth finish of welding on structures.	Confirm
2	Vendor has to ensure sufficient bracing/supports. Load testing may be performed, In case the structure found weak ALIMCO may ask free of cost for replacement/	Confirm
3	Load testing may be performed at site	Confirm
4	Rack & bins should be powder coated with thickness of 100 microns.	Confirm
5	Proper marking and color coding to be done on stands	Confirm
6	Frame Color	RAL color will be decided after finalization of item/storage system
<b>D</b>	<b>Installation &amp; Commissioning:</b>	
1	Vendor to submit the sketch, design & calculation of	Confirm

	structure.	
2	The complete installation and commissioning must be carried out by the supplier at the project site. Certificate of acceptance is to be signed by customer and supplier.	Confirm
3	Any civil work related to installation to be done by vendor (if any)	Confirm
4	Loading and unloading of material at site is in vendor's scope.	Confirm
5	Handling facility at site during erection site is in vendor's scope.	Confirm
6	Warranty of wear, tear and finishing	12 Months

**Delivery period including installation & commissioning:**

The delivery period including installation & commissioning of all of the machines at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 03 months from the date of placement of Purchase Order/work contract.

**Warranty:**

The entire storage system/items inclusive of all accessories should be covered under warranty for a period of 12 months from the date of commissioning.

**Note:**

1. Storage systems/items shall be supplied with 3 sets of comprehensive maintenance manual.

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Qty. – 01 Set

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Sl. No.	DESCRIPTION OF REQUIREMENT	REQUIRED
<b><u>For ALIMCO KANPUR</u></b>		
<b>A</b>	<b>Scope of work:</b>	
i	Complete design of storage system: we are providing the basic data & vendor to design the Racks & Bins as per given shape & size, load data and selection of material.	Confirm
ii	Manufacturing of storage systems components	Confirm
iii	<b>Delivery: ALIMCO Kanpur (02 Storage racks &amp; 08 bins)</b>	Confirm
iv	Site installation and commissioning along with necessary foundations	Confirm
v	Supply of bins; as per given bins details	Confirm
<b>B</b>	<b>Bin storage system (Drawings attached)</b>	
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3	Height of each rack	4000 mm
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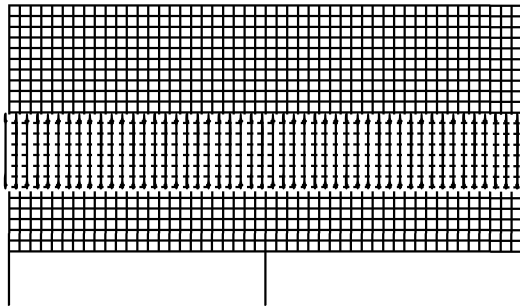
# BINS

CAPACITY : 600 Kg / BIN

## Front View

1500  
(L)

950  
(HT)



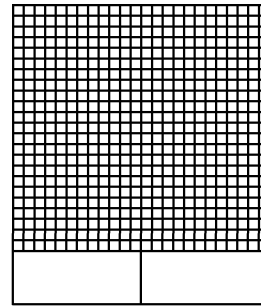
## Side View

800  
(D)

750

950  
(HT)

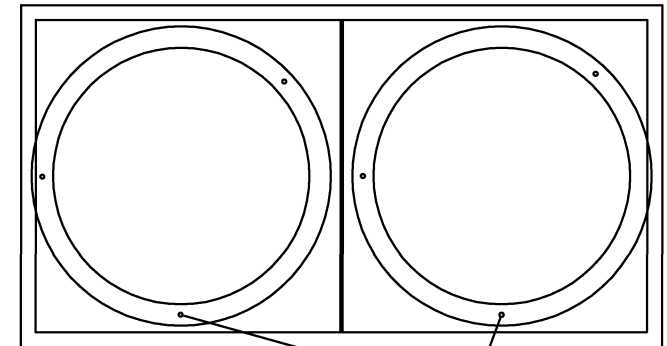
150



## Top View

1500  
(L)

800  
(D)

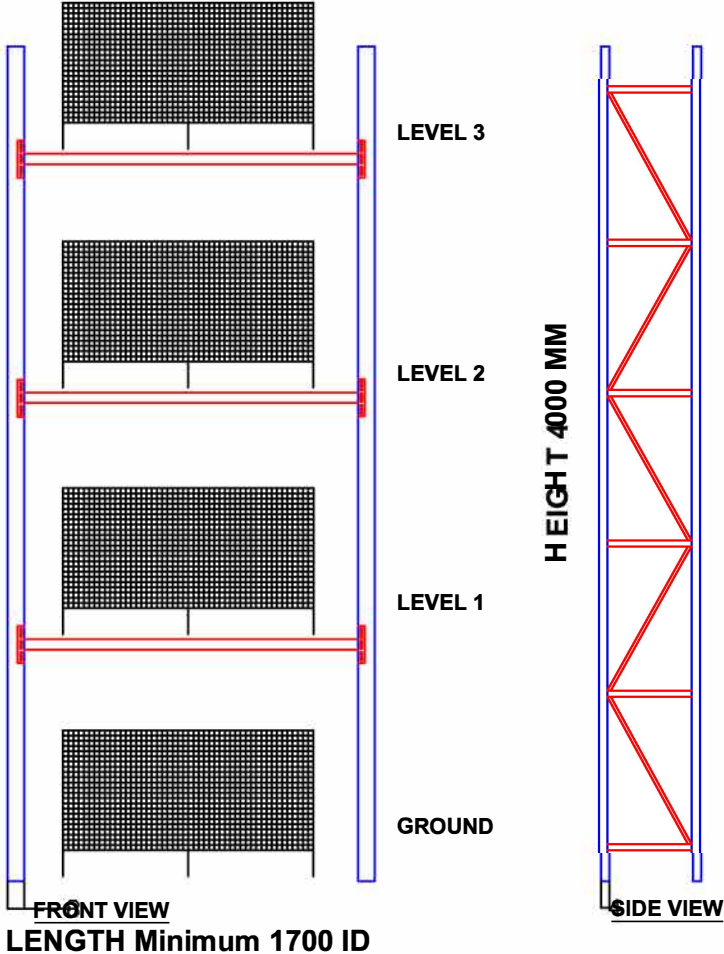


Solid Bar

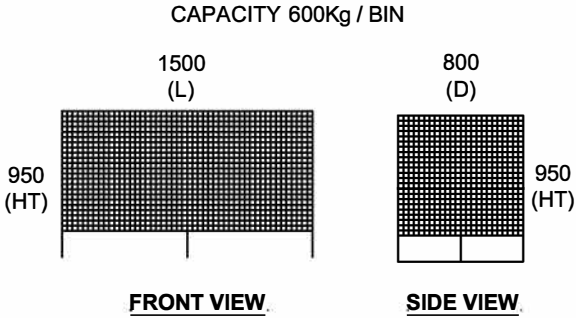
Drawing is in 'mm'

**DRAWING**

**RACK**

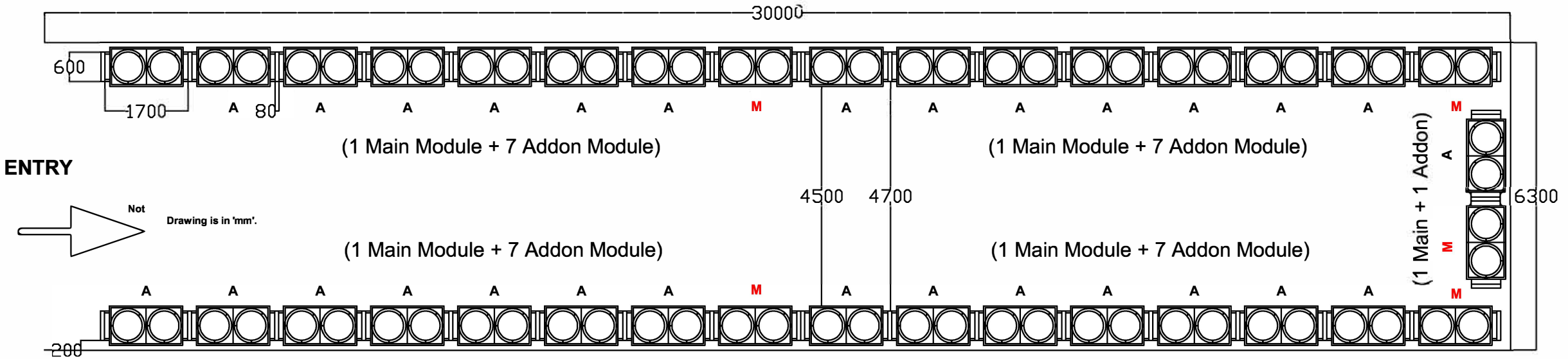


**BINS**



Drawing is in 'mm'





**Total Row 3 = 34 Rack (5 Main Module + 29 Addon Module) = 34 Rack x 4 Pallets Per Rack (G + 3) = 136 Pallet/Bin**

( Row 2 x 16 Rack (2 Main Module + 14 Addon Module) = 32 Rack x 4 Pallets Per Rack (G + 3) = 128 Pallet/Bin

Row 1 x 2 Rack (1 Main Module + 1 Addon Module) = 2 Rack x 4 Pallets Per Rack (G + 3) = 8 Pallet/Bin )