**Technical Specifications**

**Technical Specifications For Heavy Duty Storage Racking System**

- Height of the rack - 2700mm
- Horizontal beam length- 2300mm
- Depth of rack - 900mm
- Number of level-three (Ground plus two level with panels)
- Capacity per level- 2000 kgs
- Capacity per module- 4000 kgs
- Quantity of Main modules - 1no's
- Quantity of Additional Module- 1 no's

**UPRIGHT FRAME (VERTICAL) A. UPRIGHT CHANNEL**

A. **UPRIGHT CHANNEL** : Length-2700mm
   Section- 1.6mm thickness (9/10 Bend Sec)
   Quantity
   a. Main Module-lx2x2 = 4 No's
   b. Addl.Module-1lx2 = 2 No's

B. **BASE PLATE** : Section-3.15mm thickness
   Quantity
   b. Main Module-~ 4 No's
   b. Addl.Module-2 No's

C. **ANCHOR BOLT** : Length-l00mm
   Section- M12x100
   Quantity
   a. Main Module-2x4 = 8 No's
   b. Addl.Module-2x2 = 4 No's

D. **HORIZONTAL BRACING** : Length –According to 900mm depth
   Section: 30x30x1.6mm ‘C’
   Quantity 2 No's. per frame

E. **DIAGONAL BRACING** : Length-According to 900 mm depth
   Section- 30x30x1.6mm ‘C’.
HORIZONTAL BEAM

A. BEAM CHANNEL : Length-2300 mm
    Section-1.6mm Box Section
    Quantity
    a. Main Module-1x4 = 4 No’s
    b. Addl.Module~1 x4 = 4 No’s

B. LOCKING PIN : Quantity-2 No's per beam

C. PALLET : Size : 1000mm x 1100mm
    Two way open metal pallet with epoxy powder coated  
    Quantity 2 Pallet per rack

D. DECK SHEET IN STEEL : Length-According to 900 mm depth
    Section- Epoxy powder coated 6 bend panel. It should cover entire length 2300mmx900mm without spacing
    Quantity
    a. Main Module-1x2 = 2 No's
    b. Addl.Module-1x2 = 2 No's

Material: Material should be of high grade steel IS 5986 for Upright and IS 513D or equivalent for Decking Panel.
All the components shall be thoroughly pre-treated in 8 stage pre treatment process and all the components shall be painted with epoxy powder coating and film thickness of minimum 50 microns.

Color: Orange color for beam and base plate rest all components should be in blue color.