

Specification for Drive Type Optimizer Storage System (Single Bay) – 7 Nos against enquiry Number 2761412E/24.01.2017

Optimizer Storage System – An Efficient space saving storage arrangement catering to a variety of office requirements for storage of office files, stationary items, manuals, documents, etc.

Type **D1** - Single Bay Drive Type Optimizer

Each of above configurations can have the following type of blocks:

- Single Face Fixed Unit **(SFFU)**
- Single Face Movable Unit **(SFMU)**
- Double Faced Movable Unit **(DFMU)**

The Optimizer shall be of Box Cladded structure with 0.8mm (minimum) thickness CRCA Steel confirming to IS:513 Gr.D for back, side and top sheets Each body block (SS/SL/TM) building consists of one main unit & then Add-on units (1, 2 & 3 – depending on no. of bays 1, 2, & 3) . Twin mobile blocks are to be placed in between single static and single last units. The number of twin mobile blocks will be specified by BHEL as 2,3, etc.

A. SINGLE FACE FIXED BLOCK & LAST MOVABLE BLOCK:

Dimensions of single face static block and single face last drive block are given below:

1. Width : Around 915 mm
2. Depth : Around 457 mm
3. Height : Around 1980 mm
4. No. of Loading Levels : 5 level formed by 4 Nos. of adjustable shelves

B. DOUBLE FACED MOVABLE BLOCK:

Dimensions of double faced movable blocks (twin mobile with centre partition) are given below:

1. Two units of same size of individual block as mentioned in 'A' shall be integrated.
2. No. of Loading Levels : 5 level formed by 4 Nos. of adjustable shelves on each side.

The above body units are to be bolted to the undercarriage. The approximate height of undercarriage shall be 65mm (approx) and height of rails shall be 35mm (approx).

MOBILE STORAGE COMPACTOR with the hand push type model and pre-coated consists of

1) One Number of Single faced one bay deep fixed unit.	Total five units will be considered as ONE Number of optimizer and requirement is total 07 numbers of optimizer.
2) Three Numbers of Double faced one bay deep mobile unit.	
3) One number of Single faced one bay deep mobile unit.	

Compactor shall have Overall height of 2100 mm, Body Height of 1980 mm, Width of 915 mm, and depth of 457 mm along with rail and fittings accessories.

SCOPE OF SUPPLY

Scope of supply of MOBILE STORAGE COMPACTOR includes the design, fabrication, testing, packing, delivery and installation of One Sets.

Painting: The steel bodies including shelves are to be treated for antirust surface and powder coated with approved colour. The final finish shall be of epoxy polyester powder coating with a dry film thickness of minimum 40 microns. Before powder coating, metal surfaces are to be treated for anti rust and cleaned properly.

Partitions / Accessories for Optimisers:

1. Total height from ground level shall be approx. 100 mm more than the height of superstructure (1980 mm body + 65mm undercarriage + 35mm channel)
2. General arrangement as per enclosed sketches.
3. Under carriage shall be of fabricated type using structural steel sections.
4. Bolted construction for superstructure with steel slotted / rolled / formed angles(as required), corner plates, electroplated / galvanized nuts & bolts are to be used.
5. All load-bearing shelves shall be of 1.0 mm (minimum) thickness CRCA steel sheet with allowable load carrying capacity of 70 kg. per shelf.
7. One number of acrylic or metallic card holder has to be provided in static and last dive block. In twin mobile, two numbers of acrylic or metallic card holders shall be provided.
8. Suitable square steel bright bar / channels of suitable size are to be used for rails for smooth operation.
9. Drive Wheel : For the movement of units a drive wheel and sprocket-chain mechanism with provision for manual locking of individual units when in use has to be provided.
10. Centralised locking arrangement has to be provided through locking stiffener mounted onto the back of single last unit so that it gets locked on channels when all the units are brought together.
11. Each drive type unit has to be provided with locking knob near the Drive wheel for manual locking of individual units when a person is using those units.

General:

1. The proposed system is *Drive Type* optimizer with drive wheels fitted. The system shall be such that the manual effort required for opening / closing of the rack is minimum.
2. Required length of rails / channels are to be provided for each system.
3. Suitable elegant wheels shall be provided on the mobile blocks for opening / closing .
4. The aisle width shall be sufficient enough for a person to enter inside and access either side of the storage racks. The Equipment is to be guaranteed for its satisfactory performance for 24 months from the date of installation.
5. Offers received from Indian OEMs only will be considered by BHEL.
6. OEM should have their own press brake, powder coating plant with baking oven, powder applications, etc.
7. Offers received from other than OEMs without required facilities as mentioned in point No. 6 will not be considered by BHEL.

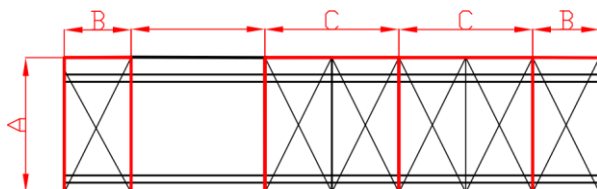
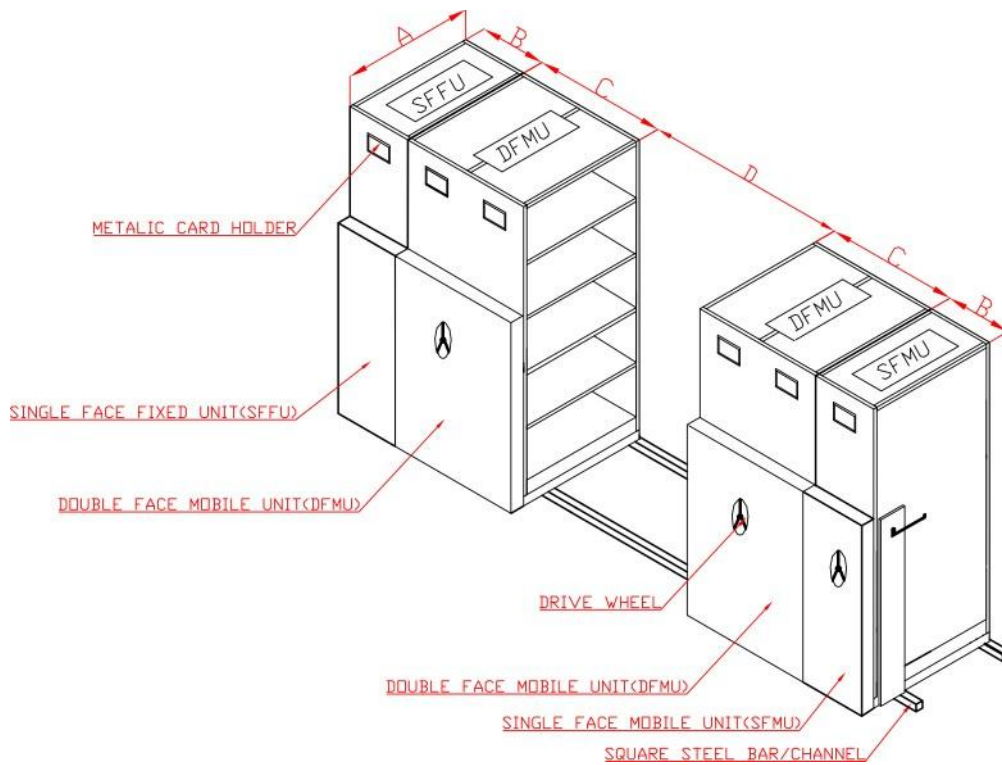
QUALIFYING CRITERIA

1. Only those vendors (OEMs), who have supplied and commissioned at least TWO COMPACTOR STORAGE SYSTEM for storage of files & documents in the past three years (from the date of opening of Tender) and such equipment is presently working satisfactorily for more than one year after commissioning (from the date of opening of Tender) should quote.
2. However, if such equipment had already been supplied to BHEL, then that storage system should be presently working satisfactorily for more than six months after it's commissioning and acceptance (from the date of opening of Tender). The vendor should submit following information where similar machine has been supplied for qualification of their offer.

The vendor should submit the following information where similar system has been supplied to qualify their offer.

3. Name and postal address of the customer or company where similar equipment is installed.
 - a. Name and designation of the contact person of the customer
 - b. Phone, FAX no and email address of the contact person of the customer
 - c. Month and Year of commissioning of the equipment
 - d. Application for which the equipment is supplied
 - e. Along with the Technical offer, the Vendor should submit one Performance certificate from the customer for the satisfactory performance of the equipment supplied to them.

GENERAL ARRANGEMENT OF SINGLE BAY OPTIMIZER



DIMENSIONS IN MM (APPROX.)

TYPE	A	B	C	D
TYPE —I	915	457	915— OF 03 Nos	Minimum 900