



PRASAR BHARATI / प्रसार भारती

(BROADCASTING CORPORATION OF INDIA) / भारतीय प्रसारण निगम

DIRECTORATE GENERAL: ALL INDIA RADIO / आकाशवाणी महानिदेशालय

PLANNING AND DEVELOPMENT UNIT / योजना एवं विकास एकक

**Technical Specification for Supply & Installation of Compactor at All India
Radio, Dehradun**

1. General

- 1.1 This specification is for Supply & Installation of Compactor for storage of Audio CDs etc in the Audio Library of AIR Dehradun.
- 1.2 A drawing showing size of Audio Library room & proposed arrangement of Compactor in the room is placed in placed at Annexure-1and Annexure-2.

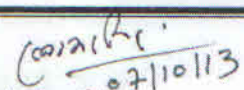
2. Units & size of Compactor


- 2.1 The compactor should consist of following units of sizes :
- 2.1.1 A Single Face Fixed Block (SFF) of size 1830x508x2080 MM (WxDxH)
- 2.1.2 A Single Face Movable Block (SFM) of size 1830x508x2080 MM (WxDxH)
- 2.1.3 Four Double Faced Movable Blocks (DFMs) of size 1830x1016x2080 MM (WxDxH)
- 2.2 The Movable units should be mechanically driven

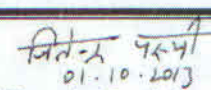
3. Construction:


3.1 Compactor Body:

- 3.1.1 The Compactor body should be made of 0.8mm thick (22 gauge) prime quality CRCA Sheets.


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- 3.1.2 The body should have suitable arrangement to support the shelves. The arrangement should be such that there is flexibility in adjusting the height to the shelves.

3.2 Shelves:

- 3.2.1 Shelves should be made of 0.8 mm thick sheet metal of prime quality having 8 folds each designed to carry UDL of 60 kgs.
- 3.2.2 The shelves should be fixed to the compactor body by means of a support brackets, which facilitate adjustment of the shelves at 25 mm pitch.

3.3 Drive Unit cover:


- 3.3.1 Drive cover on the front shall be made of 1.00 mm thick or better CRCA prime quality steel duly powder coated upto the thickness of 40 to 45 microns.

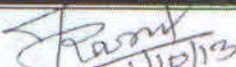
3.4 Moving Mechanism:

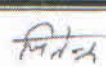
- 3.4.1 A mechanism (Handle) should be provided on each movable unit for moving it.
- 3.4.2 Handle of the moving mechanism wheel should be made of polyurethane with outer dia minimum of 340mm for smooth movement.
- 3.4.3 The mechanism should be suitably fixed to movable unit.
- 3.4.4 The total mechanism should have gears & bearings for easy & smooth movement of Rack units.
- 3.4.5 The moving mechanism should have necessary safety measures for safety of users.
- 3.4.6 There should be necessary safety provisions so that Units cannot be moved when being accessed.

3.5 Body Base Structure:

- 3.5.1 Base made of MS angle of size 40x40x5mm (single unit) or 6mm (double unit) for strong support and heavy duty components duly powder coated.


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3.6 Undercarriage Structure:

3.6.1 The mobile undercarriage structure to which the superstructure is fitted should have the following specs:

Height of the carriage including guide rail	:175 mm (approx.)
Guide wheel diameter	:120 mm (approx.)
C/C distance between rails	: 1645 mm (approx.)
Height of the drive wheel from ground level	:1100mm (approx.)

3.7 Guide Rail:

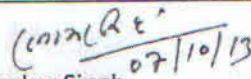
3.7.1 The guide rail shall be made out of 30-32 mm square bright bars.

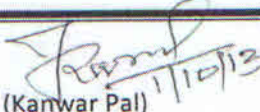
3.8 Central locking:

- 3.8.1 The compactor should be provided with centralized locking arrangement.
- 3.8.2 When all the Movable units are brought together near the fixed unit, It should be possible to apply the central lock.
- 3.8.3 When properly locked, it should not be possible to for anybody to access the Compactor.

3.9 Label Holder:

3.9.1 The Label holder should be provided on front of compactor body & as well as on the Racks for easy identification and retrieval of material.


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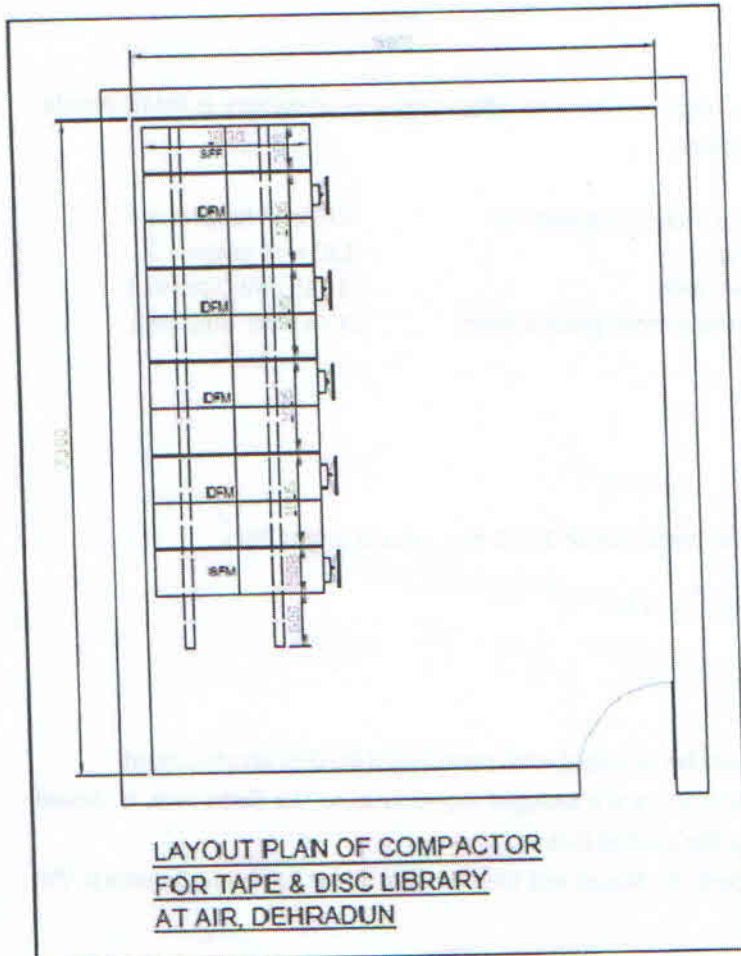

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Supply & Installation of Compactor at AIR Dehradun

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Annexure-1



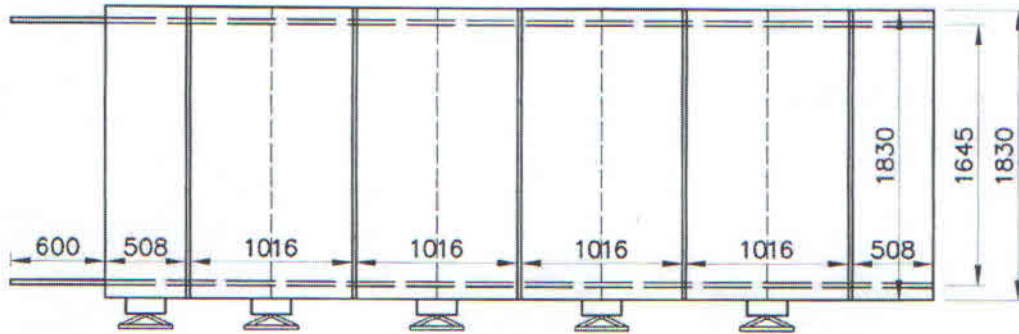
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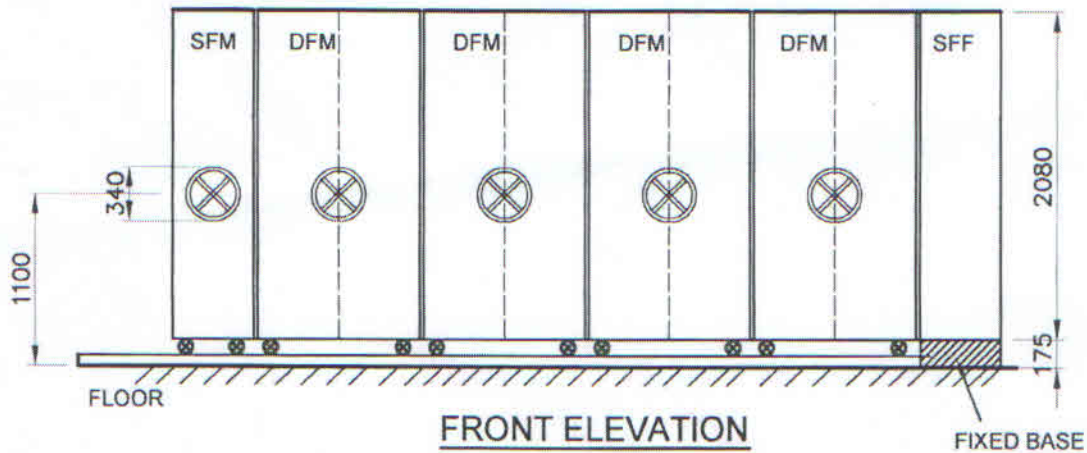
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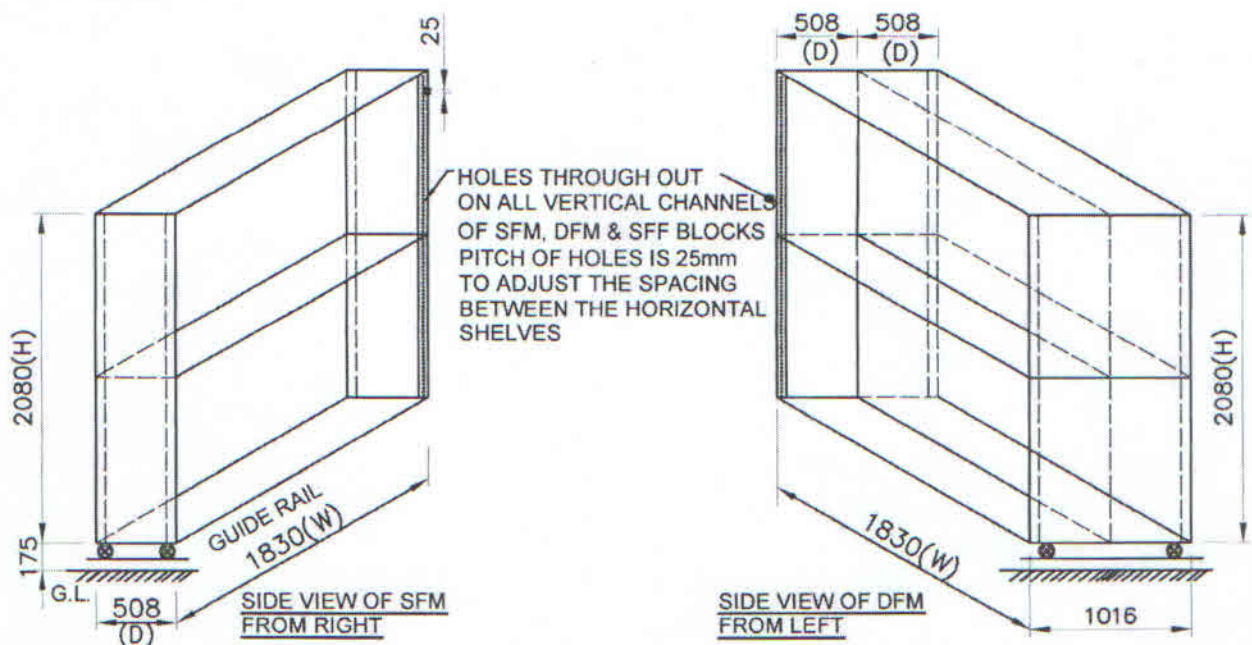
CONSTRUCTIONAL DETAILS OF COMPACTOR
FOR TAPE & DISC LIBRARY
AT AIR, DEHRADUN



PLAN



FRONT ELEVATION



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