

## ANNEXURE - III

### TECHNICAL SPECIFICATION FOR PORTABLE MS CONTAINER BUNK HOUSE SPECIFICATION

1. SIZE 20 Ft length X 10 Ft width X 8.5 Ft height

#### 2. SKID & UNDER FRAME

Skid with under frame shall be made of 200X100X25.4mm (6mm) BEAM & 110mm MS pipe. 100X55 mm MS channel runners & MS folded section as intermediate supports.

#### 3. FLOOR

19mm plywood screwed to the 18swg MS sheet welded to the base & steel runners. Floor shall be covered with Pattack wooden quality flooring tiles construction should have pleasant appearance.

#### 4. WALLS

Shall be sandwich type construction with the external finish as CR paint applied on 1.6 mm thick MS corrugated panels, internal side wall finish shall be of 8mm thick prelaminated MDF sheet. suitable framing of the wall panel shall be with MS folded section In glass wool 75mm thick shall be used as wall panels insulation the panel joints will be covered with aluminum beading.

#### 5. ROOF

MS sheet 16 SWG shall be used as proof covering with suitable MS plain sheet ridges giving a two sided slope. The sheets shall be supported by MS folded trusses. The roof insulation shall be 75mm thick glass wool. Corner fitting will be provided at four corners for lifting (Hook).

#### 6. CEILING

Ceiling shall be covered with 4mm thick plywood and finished with 1.5mm thick laminated sheet. The joints will be covered with aluminum. Beadings. 75mm thick glass wool will be provided as roof insulation.

#### 7. DOOR

Door shall be made of suitable MS square tube framing and shall be covered with MS sheet and laminated quality plywood to match the exterior and interior finish with rubber beading at the closing side of the door for effective sealing. Reputed make good quality hydraulic door lock should be provided for noiseless often opening & closing of door. External padlock of good reputed quality should be provided with reputed make lock & key for locking on the outside of the door. Door & windows shall be suitably covered on the topside with welded MS corrugated sheets to protect the area during raining. The main door opening shall be inside opening.

#### 8. WINDOW

Window shall be aluminum Sections with double shutter fly mesh over the window and glass 5mm thick shall be provided. Overall size of the window will be 585X800mm shall be covered with suitable grill arrangement on the outside.

#### 9. ELECTRICAL

The unit shall be completed with all electrical fittings. It shall be pre-wired of copper conductor, with open conduit wiring (inside concealed wiring is not recommended for safety reasons). Adequate DB with electrical MCB and room lighting shall be provided. No of light fitting and ceiling fans will be as shown in drawing

#### 10. PAINTING

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All steel material would be acid pickled/powder coated /chemically treated before fabrication. The sections are then given a coat of weldable special zinc primer. After fabrication all the inside and outside & bottom surface would be given a coat of anticorrosive primer and exterior to be finished with two coats in the shade nearest to dark blue(oxford blue) All the four sides shall be painted/ stickered with BHEL logo & name of the region (PSSR).As per the drawing enclosed with this indicating the logo.

#### 11. AIR CONDITIONER

Provision of air conditioner shall be provided in 2 places. In one opening one no. reputed make window type air conditioner of 2 ton capacity shall be provided. Other opening shall be closed with 5 mm thick glass at the inside of the bunk house ,on the outer side of the non a /c side of the opening shall be provided with MS dismountable dummy cover plate with hook rods for temporary closing of opening, if required to be used in future.

#### 12. STEPS

Three steps of MS chequered plate construction shall be provided for landing to the bunk house at the entry door, the bunkhouse generally placed on the top of concrete blocks of approx. 750mm height. Steps may be bolted & perfectly matched to the base frame of the bunk house. During transportation the MS steps frame shall be dismantled and placed inside the bunk house.

#### 13. LIFTING HOOKS / EYE

Proper lifting hook/eye shall be provided for handling the bunk House. Out rigger arrangement at four corners of the base frame fitted with at least 2 feet screw jack- 4 no's shall be provided at all the four corners for temporary unloading at sites from the trailer and also if required, to be kept in jacking position temporarily.

#### 14. GENERAL

The independent bunk house shall be transported as it is without dismantling and placed over the RCC block of 750X1000mm in a leveled ground provided at site. The design of the bunk house shall be so that the bunk house shall be capable of withstanding jerks and Jolts without damage during loading and transportation.

The base frame of the bunk house shall be designed such that it can be stable over the concrete slabs and withstand sufficient wind pressure.

Air conditioner and voltage stabilizer shall be dispatched along with bunkhouse

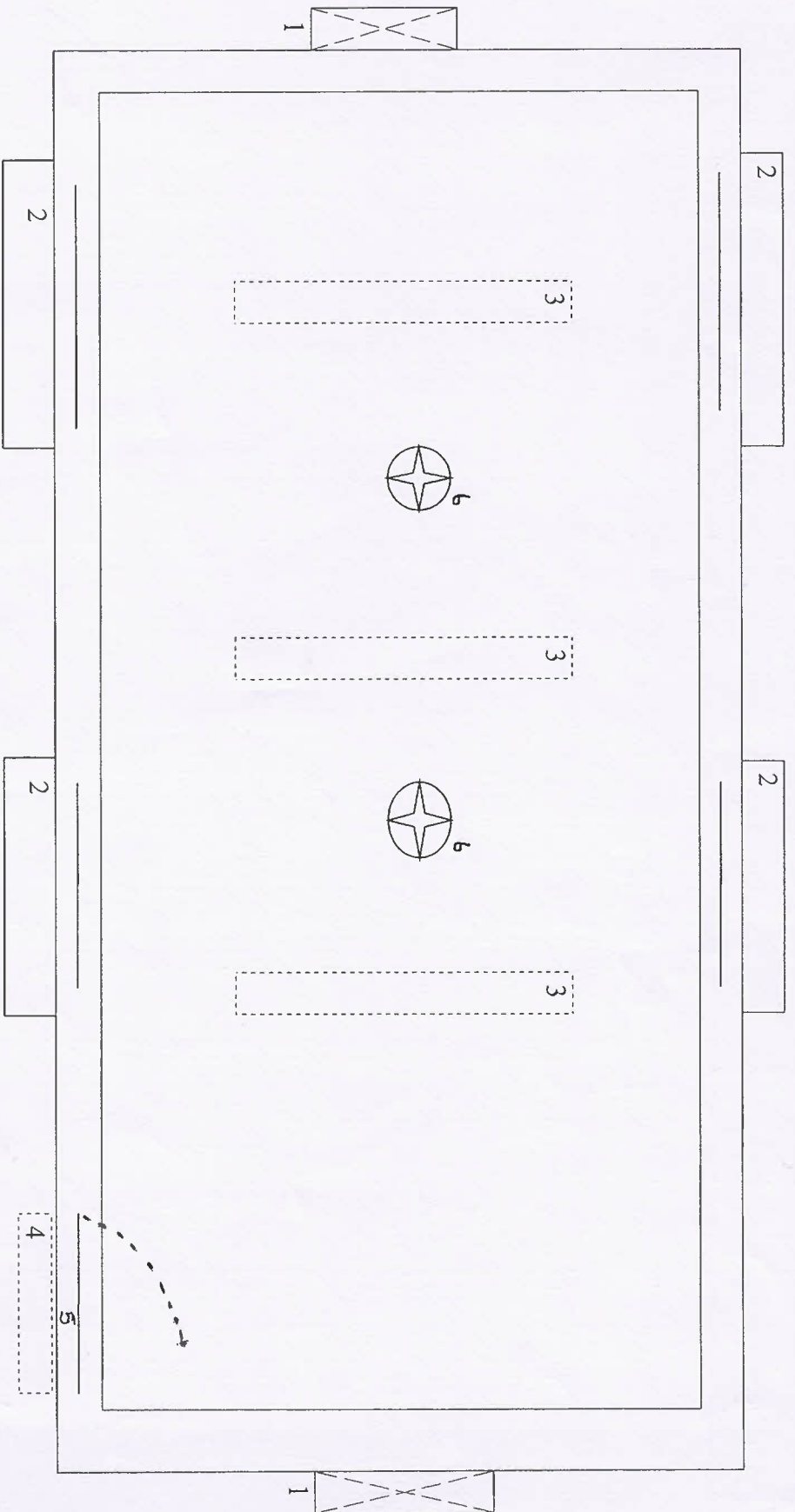
Proper care shall be taken at that time of safe loading of bunkhouse in vehicle during transportation.

Proper cleaning shall be done inside the bunkhouse before dispatch.

Proper quality welding shall be done in all the welding points.

15. BHEL LOGO Should be provided on four Outer Sides of the Bunk House.

N. Jayal



**BUNK HOUSE**

SIZE: 20' X 10' X 8 1/2'

\*Main door shall be inside opening door with hydraulic door closer

\*Main door & all windows shall be provided with rain shad provision

**DRAWING IS NOT IN SCALE**

SLNO	MATERIAL DESCRIPTION	QTY
6	FAN	2
5	MAIN DOOR	1
4	1X20W DOOR/TUBE LIGHT	1
3	1X40W TUBE LIGHT	3
2	SLIDING WINDOW	4
1	A/C PROVISION	2
SLNO	MATERIAL DESCRIPTION	QTY