



## Jamshed Bhabha Theatre

Proscenium theatre equipped with modern stagecraft, excellent acoustics and sight-line suitable for productions of opera, ballet, musicals and large-scale corporate shows. Centrally air-conditioned.

### Seating Capacity

Total capacity	1109 seats
Capacity reduced in the following cases:	
Use of orchestra pit	Reduced by 91 seats
Use of in-house sound mixer/monitor	Reduced by 15 seats (variable)

### Auditorium Fixtures & Fittings

Seat colour	Blue
Carpet colour	Maroon
House chandelier	Crystal, circular over row 'J'
Entry/exit doors	8 with panic-bars; marked 1E to 3E, 1W to 3W and 1S to 2S
Seats for the physically challenged	Row 'A' (at level 0 accessible from the lower foyer) Row 'Q' (at level 1 accessible by elevator at the foyer)

### Stage

Stage entry From east & west foyer	2 Nos. (Stage Right & Left)
Floor	Hardwood timber flooring on MS framing (No traps, No revolve)
Size (Behind house-curtain)	23.7m (w) x 14.6m (d)
Top-of-stage from auditorium level	1m
Space in front of house-curtain	+ 1m (d)
Wing space	Variable
Stage-left, concrete flooring	4m (w) x 16m (d) clear height 3.85m (min.)

Stage-right, concrete flooring	3m (w) x 16m (d) clear height 5.6m (min.)
Cross-over space (up stage) (concrete flooring)	1m (d) x 23.7m (w)
Stage-to-grid height	21m
Architectural proscenium opening	16.7m (w) x 9.3m (h)
False proscenium opening (variable)	16.7m (w) x 9.3m (h) maximum 11.6m (w) x 6.3m (h) minimum
Stage edge-to-auditorium rear wall (Row X)	30m
Mobile towers on stage	10 (5 each on stage-left & right): acts as wings 2.4m (w) x 9.3m (h) (black) and lighting-towers for drama/ dance; Or as side-wall sound reflectors for orchestra shell (natural wood finish). 5 towers can be lined-up Up-stage, if not required. It can't be moved out of stage.

### Orchestra Pit

Forestage orchestra elevator	19m (w) x 4m (d) : travel -2.9m (below stage), 0.0m (auditorium level) to + 1m (Stage level); locking @ 400mm increments (9)
Capacity	60 musicians
Below-stage pit, fixed portion	15.4m (w) x 4.2m (d) x 3.1m (h)

Technical Specifications contd.

### Orchestra Shell

An orchestra shell (timber) suitable for 90 musicians can be erected on stage with prior notice; requires two working shifts for erection and one shift for dismantling

### Dimensions

Max. height	9.3m (down stage)
Max. width	16.7m (down stage)
Min. height	4.2m (up stage)
Min. width	12.4m (up stage)

### Truck Dock Ramp

Located at stage-left	Entry through NCPA marg directly accessing the stage
Door opening	3.4m (w) x 2.8m (h)

### House Curtain

Colour	Maroon velour
Operation	Motorised travel or counter-weight manual fly

### Rigging System (On Stage)

Sceneries (SC)	
Fly linesets	32 (Double-barrel 48mm tubular battens)
Operation	Manual counter-weight (Stage-right)
Fly gallery at	8.5m height
Tech. gallery at	14.7m height
Position of first flyset (SC bar) from the edge of the stage	3.35m
Length	20m
Maximum fly-height	19.5m (except batten nos. 27, 28 & 29, which is restricted to 14m)
Spacing between flysets	220mm
Maximum loading capacity (SWL)	500 kg

### Sockets for Luminaires (32A Euro Sockets)

	DIMMABLE	NON DIMMABLE	SPARE
AUDITORIUM REAR WALL	6	-	6
BOX ROOM RIGHT	3	2	4
BOX ROOM LEFT	3	2	4
FOH	24	7	7
TORMENTOR TOWER-RIGHT	4	2	10
TORMENTOR TOWER-LEFT	4	2	10
LIGHT BAR LX-1	24	12	3
LIGHT BAR LX-2	24	12	3
LIGHT BAR LX-3	24	12	3
LIGHT BAR LX-4	24	12	3
LIGHT BAR LX-5	24	12	3
LIGHT BAR LX-6	24	12	3
MOBILE TOWERS (R) 5 NOS	4 each	2 each	2 each
MOBILE TOWERS (L) 5 NOS.	4 each	2 each	2 each
APRON (FOOT) LIGHT	-	-	-
FLY GALLERY	12	2	34
TECHNICAL GALLERY	-	-	32
ORCHESTRA PIT	-	-	6

### Lighting (LX)

Light Bars	6 (Double-barrel 48mm tubular battens)
Operation	Motorised winch (fixed speed)
Position of first LX bar	4.6m (from the edge of the stage)
Max. fly height	14m
Spacing between adjacent flyset & LX bar	350mm
Maximum loading capacity (SWL)	1000 kg.

### Off Stage Lighting Position

FOH lighting bridge	Over row 'G', 11.5m from the edge of stage; at height:12.5m
Rear wall lighting bar	Over row 'X', 30m from the edge of stage; at height: 4.8m
Box boom (right)	Auditorium right & left walls respectively, in line with row E, 9.5m from the edge of stage; at height 9.5m
Box boom (left)	

### Performance Lighting

Maximum permissible load	480 kW
Lighting console	Phoenix-5, 360-channel (ADB make); fixed in control room
Power pack	240 dimmers of 2 kW each with DMX control, EURORACK-60. (ADB make)
Software	ISIS 1.35

### Luminaires (Lanterns)

Profile (Dual lens) 20° – 44° 1 kW	10
Fresnel flood 37°, Spot 5° 2 kW	8
Fresnel flood 42°, Spot 9° 1 kW	6
Par 1 kW	18
Cyclorama (4 x 500 w)	9
Linear array of 4 (colour R,G,B and White)	

### On-Stage Accessory Power Supply Stage-right, up stage

3-phase, 440 Volt, 50Hz. (100 Amps per phase)	60 kW lighting load
Sound supply (30 Amps per phase)	18 kW

### Local power supply specifications

230 Volt, 50Hz, I-Phase  
440 Volt, 50Hz, 3-Phase  
Neutral grounded

### Sound System

No in-house sound system. Professional sound system as required are to be hired by the producers.

### Communication

Wired intercom. Cue light facilities available.

## Dressing Rooms

### Backstage

Ground floor, solo rooms	3 (9 sq.m. each)
First floor, solo rooms	4 (9 sq.m. each)
Second floor, group rooms	2 (18.5 sq.m. each) (7 persons each)
Third floor, group room	1 (46.5 sq.m. each) (18 persons)

**Note:** Each room is furnished with wardrobe, attached toilet with shower and drinking water facilities; accessible by backstage elevator & staircase (east and west)

Space for quick change on stage right 22 sq.m., height: 3.9m

## Control Room

Location	Rear of the auditorium behind glass window; partially openable divided into 4 compartments inter-connected through common passage suitable for production control.
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Compartment 1	60 sq.m.
Compartment 2	28 sq.m.
Compartment 3	10 sq.m. (Light Control Cubicle)
Compartment 4	45 sq.m.
Power supply	18 kW, 30 Amps per phase

## Miscellaneous Spaces

Foyers at two levels.

### Ground Floor (level 0)

Area	930 sq.m.
Height	variable, minimum 2.5m
Elevator	1 (West Foyer)
Accessory electric	9 kW (East Foyer) Lighting supply Load 15 Amps per phase 9 kW (West Foyer) Lighting load 15 Amps per phase
Service Counter	2 (one Front Foyer and one in West Foyer)

### First Floor (level 1)

Area	465 sq.m.
Height	variable; minimum 2.5m
Service counter	1 (East Foyer)

### Museum

Area	165 sq.m.
Height	5.45m

## Rehearsal Rooms (Front-of-House)

These are separate venues

West room 1 (second floor West Wing)	124 sq.m., height 2.88m (90 sq.m. adjoining open terrace)
West room 2 (third floor West Wing)	115 sq.m., height 2.9m (50sq.m. adjoining open terrace)
East room 1 (second floor East Wing)	113.5 sq.m., height 2.9m (55 sq.m. adjoining open terrace)
East room 2 (third floor East Wing)	99 sq.m., height 2.9m (32 sq.m. adjoining open terrace)

## Car Parking

Location	Basement and open spaces Available on a first come first served basis
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## Note

- No warehouse and workshop spaces at the venue. All producers are required to bring pre-fabricated props/sets for assembly on stage.
- Producers are advised to hire at their cost suitable diesel generator (DG) sets, if they require uninterrupted/ backup power supply for the performance lighting and audio system. NCPA will provide suitable change-over switches.
- Entry to JBT is through NCPA Gate No.3 from the Dorabji Tata Road (Marine Drive) and exit from NCPA Gate No.4 (NCPA Marg)
- Drawings in AutoCAD / JPG format available on request.

