



**BHARAT HEAVY ELECTRICALS LIMITED**  
**ELECTRO PORCELAINS DIVISION**  
BANGALORE : 560 012

**TENDER DOCUMENT**  
**(PART-B)**  
(Price Bid Format)

False ceiling and Aluminium partition work at the proposed PV module bay

DEPARTMENT : WORKS ENGINEERING  
SECTION : CIVIL

**SCHEDULE - A**Name of the work: **Providing false ceiling and ACP cladding at proposed PV Bay**

S. No.	Description	Unit	Qty	Rate	Amount.
1.00	Labour charges for fabricating of gridwork for false ceiling, with available new steel or by collecting from released structural members by welding/ gas cutting and applying two coats of enamel paint over a coat of red oxide primer including necessary scaffolding, tools and plants up to working height of 6 mtrs. Fabrication to be done as per IS - 800 & as per approved drawing unless otherwise specified. The tolerance of fabrication steel structure shall be in accordance with BIS:7215 unless otherwise specified	MT	20.97		
2.00	Providing and fixing 15mm thick mineral fiber false ceiling tiles of approved texture of size 595mm x595 mm in true horizontal level suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanizing @ 170 gm / sqm.) consisting of main T-runner suitably spaced at joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm centre to centre, and cross T of size 24x25mm made out of 0.30mmthick (minimum) sheet, 1200mm long spaced between main T at 600mm centre to centre to form a grid of 1200mmx600mm and secondary cross T of length 600mm and size 24x25mm made out of 0.30mmthick (minimum) sheet to be inter locked at middle of the 1200mm x 600mm panel to form a grid of 600mmx 600mm and laying 15mm thick mineral fiber false ceiling tiles of approved texture in the grid including wherever required including cutting / making openings for servicees like diffusers, grills, light fittings, fixtures, smoke detectors, etc. Main T runners to be suspended using GI slotted cleats fixed to ceiling / structural support with 6mm thick and 50mm long dash fasteners, 4mm GI adjustable rods with galvanized steel level clips spaced at 1200mm centre to centre along main T, bottom exposed with 24mm of all T sections shall be pre-painted with polyester baked paint for all heights as per specifications and as per directions of Engineer in charge.	sqm	2,250.00		
3.00	Providing, fabricating, assembling and fixing in position aluminium partitions using aluminium sections of Jindal or equivalent make and of mat finish in combination of plain grove, single grove and double grove as per the requirements for the frames of overall size 63.5mm X 38.1mm with thickness of 2mm having section weight plain sections 1.054kg/m single grove thickness 1.95., section weight 1.094kg/m, double grove thickness 1.9mm section weight 1.094kg/m and bottom member 114.3mm X 44.5mm, thickness 3.18mm, weight 2.646kg/m, bottom and top portion provided with 12mm thick prelaminated sheet both side of approved colour laminated exterior grade upto 1.5m height at bottom portion and 1 X 1m at top portion, spacing of vertical member 1.0m c to c:sections are cut into required lengths, joints mitered and corners grinded subdividing frames tennoned and revitted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, rawl plugs and teak wood guttied to side walls, top and floor at bottom. Providing and fixing 5.5mm thick plain glass in two tiers for middle portion of height 1.5 m each. Including the cost of silicon sealant, spacer tape, masking tape, screws and other fasteners etc and providing provision for door opening (excluding the cost of door shutter) all the frames throughly cleaned, free from rust, scale or durt including cost of materials, fixtures, labours and HOM of machinery etc complete. As per the sample shown.	sqm	418.00		

4.00	Providing, fabricating, assembling and fixing in position aluminium shutters of jindal or equivalent make to existing aluminium partition frame in the partition using 47.62 X 44.45mm section thickness 3.18mm, weight 1.505kg/m for vertical frame; 47.62 X 44.45 thickness of 3mm, weight 1.42kg/m for top section, 49.91mm X 44.45mm with wall thickness 3mm, weight 1.495kg/m for central rail. and 114.3mm X 44.45mm thickness 3.18mm weight 2.646kg/m for bottom rail and top rail pivoted, opening arrangement including providing and fixing standard approved accessories such as aluminum handles, tower bolts, locks, pivots, 12mm prelaminated sheets exterior grade of approved colour for bottom panel of height 1.2m and 5.5mm thick plain glass for top panel and glass fixed with silicon sealant. Aluminum section treated for for removal of any rust and prevention of further rust formation, and coated with greasy material for non adherence of mortars or any other sticky materials, including cost of all materials, required number of ball bearings (heavy duty), nylon roller, fixtures, labour and HOM of machinery etc complete. As per sample shown.	sqm	25.20		
<b>SUB TOTAL</b>					
<b>Taxes, if any (i)</b>					
<b>(ii)</b>					
<b>(iii)</b>					
<b>GRAND TOTAL</b>					

(Rupees \_\_\_\_\_ )

Note: 1. Taxes, if any may be quoted saperately at the space provided, otherwise the rate quoted by the contractor will be concluded as inclusive of all taxes. Any other changes in this regards will not be considered at later stage.

2. Contractors are advised to meet the engineer - in - charge and understand the scope of work clearly before quoting.

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*Signature of the contractor*

Name:  
Address:

Contact No.: