

Annexure II: Schedule of Quantities

NIQ No.: IITT/PC/NIQ/56/2022-23, Dt. 21.02.2023

Name of the Work:- Supply & installation of Pre-fabricated Containers – 2 Nos of size 20' (L) x 8' (W) x 8' (H) near Residential Quarters at IIT Tirupati Permanent Campus.

S.No	Description of Work	Unit	Qty
1	<p>Supply and installation of Prefabricated Plain puff containers made of cold-rolled MS sheet of dimension 20' x 8' x 8' as per the technical specification.</p> <p>Bidder to submit quality assurance documents as per attached specifications prior to fabrication of the container. Scope also includes installation of the container at site at specified location as instructed by site in charge, arranging for hydra, crane, manpower, tools tackles as required to complete the job. Necessary civil works required for installation (if any) will be arranged by IIT Tirupati on submission of drawing by the party.</p>	Set	2
	Technical Specifications:		
	<p>The following details are being specified for reference purpose and to be followed on the development of Pre-fab Containers. However, IIT Tirupati reserves the right to effect the minor changes as per site requirement and availability of material. The contractor is requested to understand all details on the construction material as well as arrange to get the pre-fab container inspected during fabrication and also on completion.</p>		
	<p>1. Shell: The shell will be fabricated from quality steel duly welded, comprising of base frame, peripheral structure and self draining roof. One entry and one exit door & 3 windows. The eight corners are sufficiently strengthened to facilitate transportation, lifting and placing.</p> <p>2. Base Frame: The base frame is made of pressed mild steel channel section. The main structural element having 150 mm x 75 mm I beam and cross members are of ISMC 75 #C# channels.</p> <p>3. Side and End Walls: The side & end frame is made out of mild steel pressed sections of suitable profiles / pillars of suitable strength.</p> <p>4. Flooring System: On the bottom frame 19 mm thick Marine Plywood, of approved quality is fixed by means of self-tapping screw. PVC Vinyl Sheets are fixed on this for Floor covering.</p> <p>5. Roof: Self draining type roof is made out of 1.6mm thick MS Sheet, Adequate roof bows are provided. Roof is adequately chambered for draining of rainwater.</p> <p>6. Insulation: 50 mm Thick Glass Wool/Rock Wool/ PUF /thermo Cole is used for walls and 75 mm thick insulation material is used for roof.</p>		



S.No	Description of Work	Unit	Qty
	<p>7. Inner Paneling: The interior will be aesthetically finished so as to give custom-built appearance with extremely high-quality workmanship.</p> <p>8. Windows: The provision of 3No. window having the size of 3' x 3' with aluminum grills on all windows. The window / door will also have sunshade for protection against rain / Sun.</p> <p>9. Doors: The provision of 2 Nos doors having the size 1mtr x 2mtr on the front side of the porta cabin, opening on the outer side.</p> <p>10. The color scheme will be White/ Off White/ approved</p>		
	<p>Electrical: The providing & fixing of the following:</p> <ul style="list-style-type: none"> - 2 Nos LED 24W Tube Lights - 2 Nos Wall Mounted Fans - 1 No. LED Bulkhead fixture on the outer side above the door. - 4 Nos 6/16A Sockets <p>Provision for</p> <ul style="list-style-type: none"> - 2 Nos 16A Socket with Isolator for 2TR AC <p>Note: Shop drawing indicating above to be submitted for approval before fabrication.</p>		
	All other items not covered above will be of standard quality and as approved by Engineer In-charge.		
	Please note that unloading and shifting of pre-fab containers to the designated place and positioning is required to be carried out by means of Hydra/crane with a valid fitness certificate.		
	Base platform shall be made by IIT Tirupati on receipt of foundation drawing from contractor.		

