

COMPLIANCE MATRIX

TECHNICAL BID FOR CONSTR OF PRE-FABRICATED CLASSROOMS & WASHROOMS AT VAJRA ARMY PRE-PRIMARY SCHOOL, JALANDHAR CANTT

Principal
Vajra Army Pre-Primary School
Jalandhar Cantt

Dear Sir/Ma'am

1. Ref your letter No _____ dated _____.
2. We hereby submit our technical bid in response to your above quoted letter.

Ser No	Specification of Item Offered	Compliance to RFP specification whether Yes/No	In case of non-compliance, deviation from RFP to be specified in unambiguous terms
(a)	<u>Wall PUF Panels (Size 740 Sqm).</u> Supply of 50 mm thick sandwich puf Wall panel with rigid puf injected CFC free polyurethane foam as insulation clad with both side PPGI Sheet, inner side having off white colour with RMP coating and protective guard film and puf density $40 \pm 2 \text{kg/m}^3$.		
(b)	<u>Roof PUF Panels (Size 645 Sqm).</u> Supply of 50 mm thick sandwich puf Wall panel with rigid puf injected CFC free polyurethane foam as insulation clad with both side PPGI Sheet, inner side having off white colour with RMP coating and protective guard film and puf density $40 \pm 2 \text{kg/m}^3$.		
(c)	<u>Panel Specifications.</u> (i) The Main and partition walls shall be 50-60 mm thick continuous line manufactured Sandwich wall Panels with facility of customized length. Insulation core modified Polyurethane foam with an internal temperature range of -50 to +60 degree celsius. The panels shall be made using 0.50 mm thick colour coated steel sheets on both sides with 50 mm thick layer of rigid HCFC, CFC, HFC free modified polyurethane foam providing max U value of 0.36 w/m ² k. Certification from NABL accredited Lab to be submitted during execution.		

	<p>(ii) The wall panels cover width shall be minimum 1100 mm with tongue and groove joint interlocking system. Panels to be laid with factory applied weather seal at side laps to provide complete weather tight performance. All materials required for the manufacture of shelter shall be new and shall comply with relevant Bureau of Indian Standard specification. Bottom & Top channel size 30 x 65 x 30 mm of 1.2 mm thick will be provided for fixing of wall panels.</p> <p>(iii) GI Metal Skin for Panels should have 0.50 mm thick hot dipped galvanized steel sheets on inner and outer side with 25 micron thick PVC guard film on the finished surface only for protection against scratches during handling and transportation. Base Metal of GA skin IS-513 as per GR-120, IS-277. The pre-coated GI sheet should have minimum coating of 4-5 micron epoxy primer and 25 micron polyester top coat on the finished surface and 7-8 micron primer alkyd backer on backside, which is bounded to the modified Polyurethane foam. The pre coated GI sheet should conform to IS-14246-1995 with manufacturer test certificates conforming above specification.</p> <p>(iv) The roof shall be sloped made up of 50 mm thick alongwith minimum 28 mm trapezoidal shape Panel. The Panels will be made of 0.5 mm thick PPGI on both sides and a layer of rigid CFC free polyurethane foam of density 40kg+/-2kg/ as insulation. The roof PUF panels have on ridge/ end lap overlapping of minimum 150 mm on the sides and will be fixed on to the roof of steel structure using STSD (Self Tapping Self Drilling) screws.</p>		
(d)	<p>20 x Qty of Aluminium/ Ply Mica Door (Size 7 ft x 3.5 ft) with all accessories like door handle, lock, etc (including installation) with 02 x Door for each classroom & 01 x Door for each washroom. Aluminium material should be highly durable such that aluminium doors do not split, swell, peel, warp, certifying a long product life.</p>		

(e)	27 x Qty of 2-Track aluminium sliding window (including installation) incl 03 x window for each classroom having size of window (5 ft x 5 ft) with 5 mm clear Toughened class and pleated mesh, same as aluminium doors. 02 x toughened/translucent windows with aluminium frame & grill in 02 x washrooms.		
(f)	PUF Panel Installation with appropriate fitments fixture (Size-1385 Sqm).		
(g)	Supply and Erection of steel structure approx 15,000.00 Kgs with appropriate fitments fixture		
(h)	PPGI Flashing & inner and outer and outer Ridge Cover for roofing with appropriate fitments fixture.		
(j)	Plinth level concrete foundation size 6534 Sqft (1ft above ground level) with appropriate compaction and mixture.		
(k)	Electrical Fitments. 03 x Ceiling fans for each room with 1200 mm sweeping, RR electric wire with appropriate size required according to lights/ equipments, modular switches with 6A, 16A, 25A sockets, 06 x LED lights (24 watt, 2640 lumens) for each classroom and 03 x LED lights (24 Watt, 2640 lumens) for each washroom, 01 x exhaust fan for each washroom cubicle, etc. Electric appliances to be made fully functional by the end of the construction.		
(l)	Plumbing and Sanitary Work for Toilets. 02 x washrooms (size 8 ft x 15 ft) with following accessories:- (i) 02 x under Counter washbasin (Vanity : MS structure with granite top) per washroom. (ii) Pillar Cock, Standard water closet with seat cover and flush, Health faucet with 1.5mm hose pipe. 01 x western commode for each cubicle (Total qty 02), 03 x urinal with allied accessories for Boys Toilet. 01 x western commode for each cubicle (Total qty 03) for Girls Toilet. The washrooms to be fully functional at the end of construction with 1000 Ltr water storage facility each.		
(m)	Floor Tiles. Ceramic Non-skid tiles (60 cm x 60 cm), Bathroom wall and floor tiles as per size of classrooms mentioned.		

(n)	Grid False Ceiling (White Colour) with ceiling height of 10 feet from floor		
(o)	Pathway in front of building with ramp for each classroom size approx. 1260 Sqft (Blocking/ Interlocking tiles).		
(p)	Adequate Sewage and drainage lines to be catered for connection with the main sewage lines		
(q)	Warranty of entire structure including structural stability to be min 05 years. The Polyurethane foam insulation material in the panel should have excellent fire extinguishing characteristics when tested in accordance with BS EN 13501-1:2007+A1:2009 with reaction to fire classification satisfying B-s1-d0 and providing fire resistance minimum of 15 minutes integrity (E) when tested in accordance with ASTM E119 and should have self-ignition performance above 343 degree celsius when tested in accordance with ASTM D1929.2, necessary supporting test certification from NABL lab to be submitted during execution. Panel shall provide a nominal k-value of 0.018 W/mK when tested in accordance with ASTM C518 or IS12436 and IS 16203 supporting test certifications from NABL lab to be submitted during execution.		
(r)	MS Railing of 3 feet height to be fabricated alongside Verandah and ramp for safety purpose		

Notes :-

1. The above points are not exhaustive. This project includes construction of pre-fabricated structure for **“09 x Classrooms (Size 30 ft x 15 ft), incl 01 x Resources Room (Size 30 ft x 15 ft), 01 x Staff Room (Size 30 ft x 15 ft), 02 x Washroom (Size 08 ft x 15 ft) & 08 ft Rooftop Covered Verandah at Vajra Army Pre-Primary School, Jalandhar Cantt”** and the integration of the complete system. Any item of work/equipment not specifically mentioned, but considered essential for completion of the work in all respect shall be deemed to be included in the scope of the work of the successful vendor.

2. The terms and conditions as mentioned in tender enquiry letter referred to above have been carefully read by me/us and are accepted by the company and we will abide by them.

3. All certificates be duly stamped, sealed and signed, name and designation of signatories to be mentioned.

Place: c/o 56 APO

Company Seal

Date: Jan 2025

(Authorised Signatory of Company)

INSTRUCTIONS TO THE BIDDERS

Bidders to submit the bids physically in the sealed tender box prior to bid submission and date. The tender box will be kept in the office of Vajra Army Pre-Primary School, Jalandhar Cantt.

COMMERCIAL BID FOR CONSTR OF PRE-FABRICATED CLASSROOMS & WASHROOMS AT VAJRA ARMY PRE-PRIMARY SCHOOL, JALANDHAR CANTT

Ser No	Description of Items	A/U	Qty	Unit Cost	Total Cost
(a)	Construction of pre-fabricated structure for "09 x Classrooms (Size 30 ft x 15 ft), incl 01 x Resources Room (Size 30 ft x 15 ft), 01 x Staff Room (Size 30 ft x 15 ft), 02 x Washroom (Size 08 ft x 15 ft) & 08 ft Rooftop Covered Verandah	Job	01		
				Basic Cost of Project	
				GST	
				Total Cost of Project	

Notes:-

1. The above points are not exhaustive. This project includes construction of pre-fabricated structure for "**09 x Classrooms (Size 30 ft x 15 ft), incl 01 x Resources Room (Size 30 ft x 15 ft), 01 x Staff Room (Size 30 ft x 15 ft), 02 x Washroom (Size 08 ft x 15 ft) & 08 ft Rooftop Covered Verandah at Vajra Army Pre-Primary School, Jalandhar Cantt**" and the integration of the complete system. Any item of work/equipment not specifically mentioned, but considered essential for completion of the work in all respect shall be deemed to be included in the scope of the work of the successful vendor.
2. The terms and conditions as mentioned in tender enquiry letter referred to above have been carefully read by me/us and are accepted by the company and we will abide by them.
3. All certificates be duly stamped, sealed and signed, name and designation of signatories to be mentioned.

Place: c/o 56 APO

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Date: Jan 2025

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