

Form 4, Annexure-1

Name of Work:- Design, Supply and erection of Pre-Engineered/ fabricated (Smart Building) structure for construction of Goods Shed cum store at three locations i.e. New Daudkhan, New Tundla and New Bhaupur Station in between New Bhaupur to New Khurja section of Eastern Dedicated Freight Corridor.					
Tender No:- EDFC_CGM_TDL_GS_2021					
Sr. no.	Description	Unit	Quantity	Rates	Amount
SCHEDULE-1 (NON-SCHEDULE)					
1	BUILDING SOLUTION FOR TRUSS & Wall System : Design, Supply and fixing of Pre-fab Truss Roofing Structure & SMARTWALL for barracks with factory finished, custom designed cold formed light gauge steel frame super structure manufactured out of 0.75/1.0 mm BMT (base metal thickness). Pretreated, factory finished bare ZINCALUME or equivalent (AZ150 GSM Aluminum Zinc Alloy coated steel and 550 Mpa yield strength) conforming to AS/NZS 4600-2005 and also shall be as per IS: 8750-1987, IS: 800-1984 Part II conforming to equivalent AS/NZS. The wind loads shall be as per IS: 875 (Part III). The truss & wall framing section shall be cold form, C type having minimum depth of 75mm x 40mm in required length as per structural design requirements as per approved drawings. The C-Section to have 2 groves on web with minimum R-2.5. The truss purlin members should be manufactured from ZINCALUME or equivalent (min. 150 gsm & 550 MPA) steel of base metal thickness 0.75/1.0 mm and shall be top hat TS41 (41 X 32) or TS61 (61 X 36.5). The wall members should be manufactured from ZINCALUME (min. 150 gsm & 550 MPA) steel of base metal thickness 0.75/1.0 mm. LGSFS frame shall be designed as per IS: 801 using commercially available software SUPRACADD or relavent. The frame can be supplied in panelized or knock down condition, in specified dimension and fastened with designed screws.	Sqmt	2,574.00	6,105.00	1,57,14,270.00
2	ROOF SHEETING: Supply & fixing of Zincalume trapezoidal roof sheet with effective width of 1015 panels are roll formed from nominal 0.42 mm base metal thickness of minimum yield strength of 550 MPa, coated with an aluminum /zinc alloy (i.e.Zincalume or equivalent), AZ150 (min 150 gm/m2 total on both side), conforms to Australian standard AS1397, The steel manufacturer's test certificate for the chemical and mechanical properties of steel must be submitted for approval by the concerned authority prior to installation. The sheet shall have brand marking of the manufacturer giving product details on the back of the sheet at every 1 meter c/c for confirming genuinity of the material. Profile dimensions: Trapezoidal type profile sheet shall have 1015 mm effective cover width, 28 mm deep ribs with subtle square fluting in the five pans at 203 mm centre to centre. The end rib shall be designed for anti-capillary action, to avoid any seepage of water through the lateral overlap.	Sqmt	2,832.00	1,100.00	31,15,200.00
3	External Walls sheeting : Supply & fixing of color coated corrugated wall sheet panels roll formed from nominal 0.42 mm base metal thickness of minimum yield strength of 550 MPa, coated with an aluminum /zinc alloy (i.e.Zincalume or equivalent), AZ150 (min 150 gm/m2 total on both side), conforms to Australian standard AS1397, pre-painted with Colorbond steel quality paint coat as per AS/NZS 2728 Class 3. The paint finish thickness shall have a total coating thickness of nominal 35 µm, comprising of nominal 20 µm on exterior face and nominal 5 µm reverse coat on interior face over nominal 5 µm epoxy primer coat on both surfaces of approved colour shade or equivalent by concern authority. The steel manufacturer's test certificate for the chemical and mechanical properties of steel must be submitted for approval by the concerned authority prior to installation. The sheet shall have brand marking of the manufacturer giving product details on the back of the sheet at every 1 meter c/c for confirming genuinity of the material. Profile dimensions: slight corrugated type profile sheet shall have 1110 mm coverage width, 3.5 mm deep ribs with a pitch of nominal 50.5 mm centre to centre.	Sqmt	2,700.00	1,200.00	32,40,000.00
4	Internal Wall Sheeting & Ceiling sheeting : Supply & fixing of corrugated sheet panels are roll formed from nominal 0.42 mm base metal thickness of minimum yield strength of 550 MPa, coated with an aluminum /zinc alloy (i.e.Zincalume or equivalent), AZ150 (min 150 gm/m2 total on both side), conforms to Australian standard AS1397. The steel manufacturer's test certificate for the chemical and mechanical properties of steel must be submitted for approval by the concerned authority prior to installation. The sheet shall have brand marking of the manufacturer giving product details on the back of the sheet at every 1 meter c/c for confirming genuinity of the material. Profile dimensions: slight corrugated type profile sheet shall have 1110 mm coverage width, 3.5 mm deep ribs with a pitch of nominal 50.5 mm centre to centre.	Sqmt	2730	1,100.00	30,03,000.00
5	Roof Insulation: Providing & Fixing 8 mm Bubble insulation with aluminum foil on either side as protection laid over the top of purlins, complete as per directions of Engineering -in - charge	Sqmt	2,832.00	399.00	11,29,968.00
6	Wall Insulation: Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m3,50 mm thick,wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, ravel plug & washers and held and in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	Sqmt	900.00	396.18	3,56,562.00
Total-1					2,65,59,000.00
SCHEDULE-2 (NON-SCHEDULE-REF-DSR)					
7	Doors: 35mm shutter flush door in commercial ply with one nos. brass lock as per CPWD norms - 1200mm x 2100mm	Sqmt	294.84	2,050.00	6,04,422.00
8	Window: Aluminium 2 track window in 18guage section as per CPWD norms with 4mm laminated glass - 1000 x 900 mm	Sqmt	90.00	1,761.00	1,58,490.00
Total-2					7,62,912.00

SCHEDULE-3 (DSR-ITEMS-Civil)					
9	Floor tiles - Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqmt	750.00	926.90	6,95,175.00
10	Any Work as per DSR-2019 (All Chapter of DSR for RCC foundation, Flooring & other works as per instructions of Engineer.)		LS.		75,00,000.00
				Total-3	81,95,175.00
SCHEDULE-4 (DSR-ITEMS-Plumbing)					
11	Plumbing/sanitary work with internal partition in Brick & tiles work (Item shall be operated as per DSR-2019)		LS.		11,20,683.48
SCHEDULE-5 (DSR-ITEMS-Electrical)					
12	Internal Electrification (items shall be operates as per DSR-2019)		LS.		35,02,135.88
Total cost					4,01,39,906.36

Note:- Abore rates are inclusive of GST.