

ss shop Extension tow ards South Side including M achine
Foundation

SCHEDULE-A				ANNEXURE-II	
S.No.	Description of work	Qty	Unit	Rate to be quoted by the contractor	Amount
				Rs. P.	Rs. P.
1	Pressure grouting below base plates, foundation bolts, including pockets with capital GP2 cement, SIKA grout 214 or equivalent including cleaning, vibrating, etc., complete. Mortar is to be machine mixed 1:1 by weight (1 part GP2 or SIKA grout 214 :1 part duly washed stone aggregate 6mm & down gauge. Minimum 200mm head of pressure.	11.00	Cum		
2	Supplying & fixing in position PVC pipes of 6 kgs/sq cm series of supreme make or equivalent with fittings for rainwater disposal with required type brackets, joints pipes with solvent cement complete.				
	160mm dia	1000.00	Rmt		
	200mm dia	540.00	Rmt		
3	Fabricating & fixing of MS sliding door with frame made out of channel box / angle box with necessary intermediate MS channels/flash angles with 2mm MS sheet both sides with MS channels at bottom and top for movement and guide supports with wheels as per standards with mechanized system for with motor operated sliding movement, including necessary fittings with locking arrangement applied one coat red oxide and 2 coats synthetic enamel paint as per design and drawing.(The structural steel will be supplied by BHEL)	3000	Kgs		
4	Providing and fixing north/south light polycarbonate sheet of 4.5mm thickness with necessary aluminium channels and sections of 1.5mm thick with self drilling/self stitching fasteners at maximum 500mm c/c along the length of capping, clashing, complete as directed.	1365.00	Sqm		
5	Supply & fixing M.S Galvanised Gutters with 3mm thick M.S. Galvanised sheet of approximate vide 900mm in the required shape as per drawing of valley gutter with necessary riveting, welding and supports on steel bracket & sealing the space as required with external cladding as directed.	735.00	Kg		
6	Providing & fixing in position including fabricating and erecting structural steel works at all heights comprising sag rods floor beams, columns, girders, bracings,purlins with channels &angles, gutters with M.S.Plates, M.S. Flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates all bolts, nuts washers base plates anchor bolts etc., as per detailed drawings cutting welding and painting 2 coats of red oxide primer before erection & 2 coats of synthetic enamel paint of approved brand & colour after erection complete. Advani made electrodes super Bond 'S' 5013 grade or other approved make equivalent make electrodes are to be used. All bolts nuts washers, gas, electrodes paints are in contractor's scope. Fabrication to be done as per I. S. Codes of latest revision. Structural Steel will be provided free of cost by BHEL.				
	a) Only fabrication with free issue of Structural Steel by BHEL	1013250.00	Kgs		
	b) Only erection	1013250.00	Kgs		
	c) Foundation bolts from 20mm to 65 mm dia.Contractors to provide bolts and cost of material should be included in rate	90000.00	Kgs		

		Qty	Unit	Rate to be quoted by the contractor	Amount
7	Supplying & fixing of Puf insulated Sandwich panels made out of CFC free polyurethane foam (40mm tk and 45 kg/cum density) in between 2 metal sheets. Top sheets shall be Tracdek / Lloyddeck or or equivalent profiled sheets made out of 0.5 mm tk. total coat thickness (TCT), 550 MPA yield stress, galvalume meterial as per AZ 150 and having 20 microns PVF2 / SMP coating. Bottom sheet shall be plain 0.45 mm TCT, 240MPA polyester coated sheet with plain ribs. Panel 40 shall be fixed on to the purlin with self drilling fastners with EPDM vochers and necessary over laps as per manufacture specifications and Engineer - in - charge.				
i)	for Roofing (any type of colour)	4988.00	Sqm		
ii)	for cladding (any type of colour)	3957.56	Sqm		
8	Providing & placing corrugated 3mm (same as track Deck sheet or equivalent corrugation) Transparent fibre reinforced sheets of approved make sheets with all accessories fixed to steel members including with self drilling fasteners with EPDM vochers and necessary overlaps as per manufacture specifications and Engineer-in-charge.	1600.00	Sqm		
9	Providing & fixing corner flashing in required girth with 0.5 mm coloured galvalum sheet up to length of minimum 2.5 meters having curved width up to 360 mm fixed to the steel members with self drilling/self stitching fasteners at maximum 500 mm c/c along length of capping, flashing etc. complete as directed including cost of sheet (any type of colour).	450.00	Rm		
10	Providing & fixing south curves in required girth with 0.5mm coloured galvalum sheet upto length of minimum 2.5 meters having curved width up to 600mm fixed to the steel members with self drilling/self stitching fasteners at maximum 500 mm c/c along length of capping, flashing etc. complete as directed including cost of sheet (any type of colour).	380.00	Rm		
11	Providing and fixing in position 25 mm thick SHALITEX BOARD EXPANSION joint for columns and between walls at all heights. SHALITEX board shall be manufactured by M/s SHALIMAR TAR products or equivalent as per their standard specifications.	35.00	Sqm		
		TOTAL			

Sr. Engineer(MOD-Civil)