

Annexure-I

Estimate of Construction of M S Shed for TBI of Mech. Engg. Dept. at 5th floor of BI-09 at IIT Patna

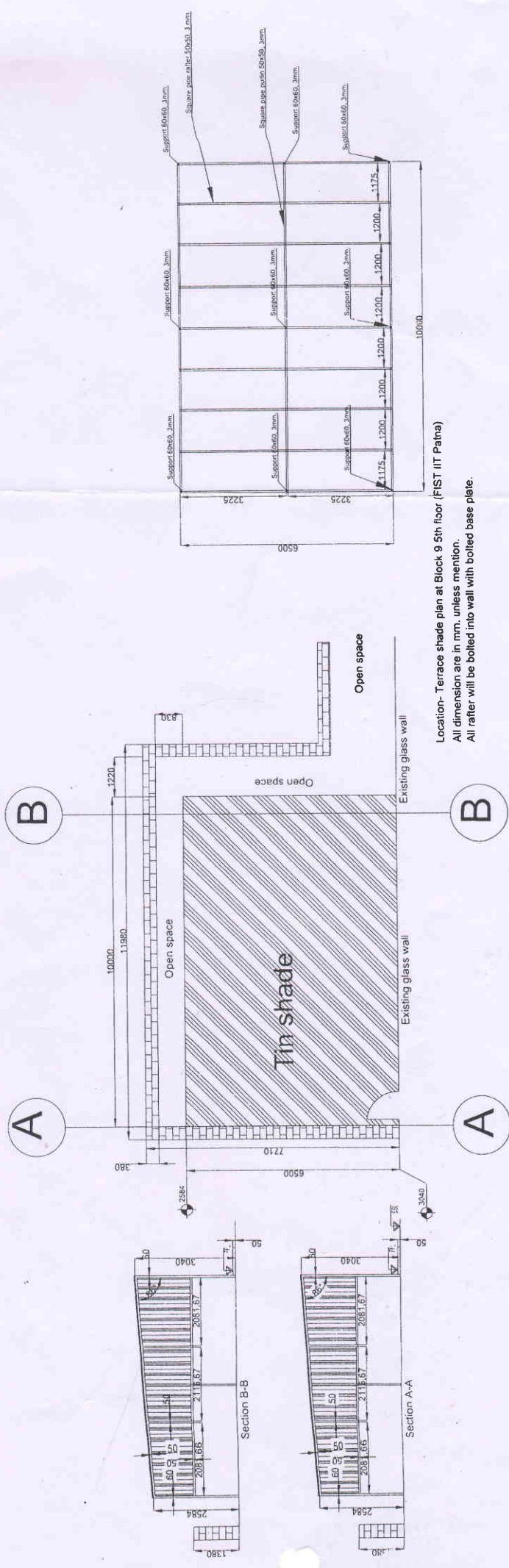
SN	Description of items	L,m	B,m, Av.	H,m, Av.	Qty	units	As per DSR 2021 Rate, Rs.	Amount, Rs.
1	5.9 Centering and shuttering including strutting, propping etc. and removal of form for : 5.9.16 Edges of slabs and breaks in floors and walls							
2	5.9.16.1 Under 20 cm wide, PL bend & L Bend, Chajja, floor side edge 5.4 Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). flooring	20 11.4		0.1	20.000 8.550	RM cum	181.90 9801.75	3638.00 83804.96
3	5.22 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 5.22.6 Thermo-Mechanically Treated bars, In column(foundation) -10 mm dia and 8mm Dia. TMT bar used							
	Steel Work:							
7	10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 10.16.1 Hot finished welded type tubes MS Rectangular pipe for column circular pipe 80*3 & square pipe(65*65*3)mm for Truss sq pipe (25*25*3 mm) for purline + binding runner+ Wind tie (MS flat50*5)							
8	13.62 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : 13.62.1 Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture, Qty column and purline and door= Qty- 26 m2							
					26	Sq.m.	191.4	4976.40
					1806.00	kg	154.90	279749.40
					513.000	kg	89.65	45990.45

12/11/2024
10/11/2024
10/11/2024

9	<p>12.50 Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm + 0.05 %, total coated thickness with zinc coating 120 gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. Roof+ one side cover- <i>(Make of G.I Profile - JSW, Jindal, Tata).</i></p>						148.000	sum	671.55	99389.40
10	PVC pipe 100 mm dia. Ashirwad (MR)						20.000	m	800	16000.00
Total Rs. 5, 33, 549/- only										533548.61

(Signature)
 AE CIVIL 10/10/2021

(Signature)
 EE CIVIL 10/10/21



Location- Terrace shade plan at Block 9 5th floor (FIST IIT Patna)

All dimension are in mm, unless mention.

All rafter will be bolted into wall with bolted base plate.

Handwritten signature and date: 14/12/2021

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(b)

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