

Estimate for Providing and fixing of AL Partioing with MS framing at new Civil Workshop at IIT Patna

SL. NO.	DSR'2021	DESCRIPTION OF ITEM	QTY	UNIT	Rate	Amount
1	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling to be paid for seperate items)				
	21.1.1	For fixed portion				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	135.0	Kg	433.95	58583.25
2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	55.0	kg	531.8	29249.00
3	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)				
	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	30	Sqm	1019.8	30594
4	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	21.2.2	Pre-laminated particle board with decorative lamination on both sides	30	Sqm	951.05	28531.5
5	21.16	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge				
	21.16.1	Anodized (AC 15) aluminium	6	nos	88.75	532.5
7		Providing and fixing of Al tower bolts, ISI marked anodised				
		250*10 mm	3	Nos	104.4	313.2

8	21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete	3	Nos	449.55	1348.65
9		Dash fastener / Chemical fastener	50	Nos	19.1	955
10	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	210	kg	78.2	16422
11	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
	21.8.1	Upto 5mm depth and 5 mm width	20	meter	85.25	1705
12	9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.	25	meter	139.7	3492.5
13	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	3	Sqm	191.4	1531.2
15	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32 mm	1	nos	90.95	90.95
18	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.2	Kitchen sink without drain board				
	17.10.2.2	610x460 mm bowl depth 200 mm	1	nos	3337.85	3337.85
19	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length	1	nos	85.2	85.2
20	M.R	Providing and fixing of Deck Mounted Three way laboratory Tap. Specifications as below sage/Application Laboratory Design Modern Mounting Type Deck Mounted Material Brass and ABS Plastic Number of ways 3 Ways Coating Epoxy Powder Color White Inlet 1/2" BSP male	1	nos	3804	3804

21	16.86	Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge.				
	16.86.1	With granite stone of area less than 0.50 sqm	1	Sqm	4115.8	4115.8
TOTAL						184,692
Cost index @ 8% as on 01.04.2022						14,775
Total Amount in Rs,						199,467

(Rupees One Lakh Ninety Nine Thousand Four Hundred and Sixty Seven only /-)

Submitting the above estimate for Providing and fixing of AL Partitioing with MS framing at new Civil Workshop at IIT Patna for an amount of Rs, 199467/- for admisnistrative approval and expenditure sanction . Rates are based on DSR'2021 with cost index as on 01.04.2022

Put up for consideration and approval.

[Signature]
28/10/22
AE, Civil (Az)

[Signature]
Head (IWD)

[Signature]
EE, Civil (Az) 02/11/22

⊕ As directed MIQ on Institute's website is being called.

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Kpg
04/11/22
Head (IWD)