


**BUILDING DEPARTMENT
ALIGARH MUSLIM UNIVERSITY, ALIGARH
ABSTRACT FOR DETAILED ESTIMATE (DSR-2021)
For**

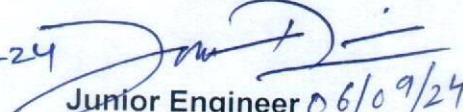
- a) Cordoning With Bricks Work & Expended Wire Mesh of Roti Making Area In R.M. Hall
- b) Conversion of 8 Nos. Warden Residence into student Rooms (8x3=24 Rooms), RM Hall

S. NO	Name Of Work	Amount Put to tender (Rs In Lacs)	Estimated cost
i	Cordoning With Bricks Work & Expended Wire Mesh of Roti Making Area In R.M. Hall	113287.20	126088.65
ii	Conversion of 8 Nos. Warden Residence into student Rooms (8x3=24 Rooms), RM Hall	454673.95	526052.11
Rs.		567961.15	652140.76


University Engineer

CHECKED

Junior Engineer (T)
06/09/2024
TECHNICAL
BUILDING DEPARTMENT
AMU ALIGARH


Assistant Engineer


Junior Engineer 06/09/24


BUILDING DEPARTMENT
DETAILED ESTIMATE
CORDONING WITH BRICK WORK & EXPENDED WIRE MESH OF ROTI MAKING AREA IN R.M. HALL
(BASED ON DSR 2021)

S.No.	DSR	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	2.00	Cum	8288.40	16576.80
2	6.26	Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)				
	6.26.2	Above plinth level upto floor V level.	3.80	Cum	8565.95	32550.61
3	13.4	12mm cement plaster of mix :				
	13.4.1	1:4 (1 cement: 4 coarse sand)	11.50	Sqm	307.25	3533.38
4	13.5	15 mm cement plaster on single or half brick wall of mix :				
	13.5.1	1:4 (1 cement: 4 coarse sand)	11.50	Sqm	354.50	4076.75
5	-9.5	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	10.00	Sqm	1484.70	14847.00
6	4.1	P/L in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size)	0.50	Cum	7365.15	3682.58
7	13.80	P/A white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	23.00	Sqm	123.85	2848.55
8	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over & including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	60.00	Sqm	147.45	8847.00
9	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work.	25.20	Sqm	131.45	3312.54
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.	85.00	Kg	111.95	9515.75
11	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	45.00	Kg	142.30	6403.50

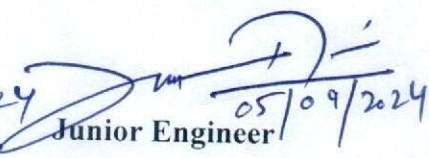


S.No.	DSR	PARTICULARS	QTY	UNIT	RATE	AMOUNT
12	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	13.99.1	One or more coats on old work.	5.00	Sqm	86.55	432.75
13	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface).	60.00	Sqm	111.00	6660.00
					Total = Rs:	113287.20


University Engineer

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06/09/2024
Junior Engineer (T)
(TECHNICAL)
BUILDING DEPARTMENT
A M U ALIGARH


07/09-24
Assistant Engineer


05/09/2024
Junior Engineer

BUILDING DEPARTMENT

DETAILED ESTIMATE

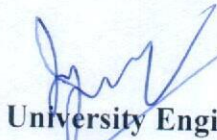
Conversion of 8 Nos. Warden Residence into student Rooms (8x3=24 Rooms), RM Hall


(BASED ON DSR 2021)

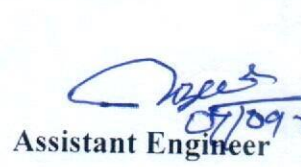
S.No.	DSR	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				
	15.13.1	Of area 3 sq. metres and below	16.00	Nos.	118.25	1892.00
2	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge..				
	15.7.4	In cement mortar	22.00	Cum	1698.45	37365.90
3	4.1	P/L in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a	M.R.	1:5:10 (1 cement : 5 coarse sand (zone-III) : 10 graded brick aggregate 40 mm nominal size)	3.50	Cum	4815.72	16855.02
b	4.1.3	1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20 mm nominal size) [derived from natural resources]	1.00	Cum	7365.15	7365.15
4	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	1.50	Cum	6658.25	9987.38
5	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(Zone III) : 4 graded stone aggregate 12.5mm nominal size).	3.00	Sqm	370.85	1112.55
6	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.00	Cum	8288.40	49730.40
7	14.3	Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners/Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/chemical fastener.	8.00	Nos.	190.25	1522.00
8	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.	175.00	Kg	111.95	19591.25
9	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with :				
	10.30.1	4.0 mm thick glass panes. (Weight not less than 10kg/m2)	2.40	Sqm	940.30	2256.72
10	13.16	6 mm cement plaster of mix :				
		1:3 (1 cement: 3 fine sand)	2.00	Sqm	253.05	506.10
11	13.4	12mm cement plaster of mix :				

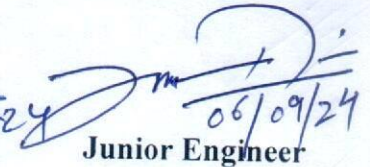
	13.4.1	1:4 (1 cement: 4 coarse sand)	95.00	Sqm	307.25	29188.75
12	13.5	15 mm cement plaster on single or half brick wall of mix :				
	13.5.1	1:4 (1 cement: 4 coarse sand)	95.00	Sqm	354.50	33677.50
13	9.21	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	2.10	Sqm	2015.75	4233.08
14	13.80	P/A white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	192.00	Sqm	123.85	23779.20
15	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer.	192.00	Sqm	154.60	29683.20
14	13.81	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
	13.81.1	One coat sqm	100.00	sqm	51.80	5180.00
17	13.50	Applying priming coat :				
	13.50.2	With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood s	5.00	Sqm	61.45	307.25
18	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work.	22.00	Sqm	131.45	2891.90
19	M.R.	P/F S.S. Tower Bolts : 200 x 10 mm	10.00	Nos.	143.56	1435.60
20	M.R.	P/F S.S. Sliding Door Bolts : 300 x 16 mm	9.00	Nos.	355.56	3200.04
21	M.R.	P/F S.S. Handles : 125 mm	18.00	Nos.	69.17	1245.06
22	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	8.00	Nos.	109.60	876.80
23	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	6.50	Cum	2007.10	13046.15
24	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	75.00	Sqm	545.00	40875.00

25	11.13	P/F glass strips in joints of terrazzo/ cement concrete floors.				
	11.13.1	40 mm wide and 4 mm thick.	260.00	Mtr	79.50	20670.00
26	11.6	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.				
	11.6.1	18 mm thick.	15.00	Sqm	570.75	8561.25
27	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	13.99.1	One or more coats on old work.	40.75	Sqm	86.55	3526.91
28	10.31	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.	130.00	Kg	103.80	13494.00
29	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.	300.00	Kg	155.40	46620.00
30	10.29	P/F fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15 x 3mm and nuts & bolts complete.				
	10.29.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides.	20.00	Sqm	971.55	19431.00
31	14.31	Providing and fixing bright finished brass single acting spring hinges with necessary brass screws etc. complete :				
	14.31.1	150 mm .	7.00	No.	652.40	4566.80
					Total = Rs: 454673.95	


University Engineer

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05/09/24
Junior Engineer (T)
(TECHNICAL)
WORKING DEPARTMENT
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05/09/24
Assistant Engineer


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Junior Engineer