

ABSTRACT FOR CONSTRUCTION OF NbSu at District(M.P.)		
	TECHNICAL SANCTION	
	SUMMARY	
S. NO.	TYPE OF WORK	AMOUNT
A	CIVIL WORK	
1	Part A Upto Plinth Level	67348.00
2	Part B Super Structure	179311.00
	Total (A)	246659.00
B	ELECTRIFICATION	
1	Internal Electrification (B)	28000.00
	Total (A) + (B)	274659.00
	TOTAL COST OF PROJECT	274659.00
	SAY RS	275000.00

Sub Engineer,
NHM. Bhopal

Assistant Engineer,
NHM. Bhopal

Executive Engineer,
NHM. Bhopal

Detailed Estimate for Providing Internal Electrification in NbSu at						
S. No.	Item No./pg.	Description	Unit	Quantity	Rates (Rs.)	Amount
1	4	Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI Marked				
	4.1	<u>Light Point/Fan Points.</u>				
		a) Short point	Each	2	294	588.00
		b) Medium point	Each	1	564	564.00
	4.4	<u>Twin Control light points</u>				
		b) Medium point	Each	1	638	638.00
	4.5	Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI	Each	2	285	570.00
2	4.6	Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) of ISI marked suitable size including painting etc. as required as per specification				
		a) 2x2.5 Sq.mm.	Metre	8	117	936.00
		b) 4x2.5 Sq.mm.	Metre	9	176	1584.00
4	18.2	Supplying and fixing of approved make modular type metal box with modular frame/ base plate and cover plate including fixing in concealed / surface excluding switch, socket etc. as required for:-				
	18.2.1	1 Or 2 Module	Each	2	156	312.00
	18.2.2	3 Module	Each	3	208	624.00
5	16	Supplying and fixing PVC conduit ISI marked alongwith the accessories in concealed system including painting etc. as required				
	16.1	PVC . Conduit 20 mm (HMS)	Metre	10	61	610.00
	16.2	PVC . Conduit 25 mm (HMS)	Metre	8	72	576.00
	19.3	4.00 Sq mm cable				
	19.3.1	1 X 4.00 sq mm	Metre	10	41	410.00
	19.3.2	2 X 4.00 sq mm	Metre	8	76	608.00
	19.3.3	3 X 4.00 sq mm	Metre	5	111	555.00
7	27.7	Supply of approved make powder coated sheet steel enclosure SPN MCB DB inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator)-				
	27.5.2	4 way single door	Each	1	150	150.00
	27.5.5	8 way double door	Each	1	905	905.00
8	27.8	Supplying of approved make, powder coated Vertical TPN MCB DB Metal Double Door with MCCB 100A TP 10kA as incomer and space for SP/TP MCBs as outgoing (without MCBs) inclusive of busbar & connections etc without MCB:				
	27.8.2	8 way with MCCB	Each	1	4379	4379.00

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9	27.1	Supplying of ISI Marked and approved make of Moulded Case Circuit Breaker (MCCB) suitable for 3 phase,3 pole, 50 Hz, 415 Volts, AC supply with respective interrupting capacity (KA) at 415 Volts cited against their range standard conforming to IS - 8828				
	27.1.1	MCCB with Breaking Capacity 25 KA at 415 V				
	27.1.1.1	Current Rating -25 to100 Amps & 70% -100% adjustable	Each	1	1693	1693.00
10	29.28	Suppling and fixing of approved make step type Modular electronic, Fan regulator including connection etc. as required on existing board				
	29.28.1	450 Watt	Each	2	291	582.00
11	30.1	Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary materi				
	30.1	Ceiling Fan (Energy Saver 50 W)-1200 mm Sweep	Each	2	2276	4552.00
12	30.6	Supplying, erecting and testing of approved make Exhaust Fan heavy duty with mounting frame, blades AC 230-250 complete connection and including, frame bolt/ Anchor hole fastners etc. complete finished and as required.				
	30.6.2	300mm sweep 900 RPM	Each	1	3450	3450.00

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13	31.1	Supplying, fixing & testing of approved make of T- 5 lamp channel luminaire with epoxy white powder coated CRCA sheet steel housing with reflector cover with necessary materials connection etc. complete as required (with lamp)				
	31.1.1	T - 5 Lamp 1 X 28 watt	Each	3	535	1605.00
14	31.18	Supplying, fixing & testing of approved make of low watt surface / recessed mounting CFL down lighter luminaire with white powder coated aluminium cover with anodised aluminium reflector with necessary materials connection etc. complete as required (wit				
	31.18.1	CFL 1 X 10 / 13 / 18 watt	Each	2	1067	2134.00
					TOTAL	28025.00
					Say	28000.00

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S No.	Item No.	Description	No	Page	7	L	W	H/D	Quantity	Unit	Rates (Rs.)	Amount
2	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope of any degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in concrete grade.										
	5.3.1	M 20 Nomial mix (with 20mm nominal size graded stone aggregate)										
		G.F.Lintel Beam X-Direction 200 x 200										
		Room	2		4		0.2	0.2	0.32			
		Lintel Beam Y- Direction (2D+ B)										
		Room	2		3		0.2	0.2	0.24			
		Chajja Projection x direction										
			2		2		0.7	0.11	0.31			
		Chajja Projection Ydirection										
		Room	1		4.0		0.7	0.11	0.31			
									1.18	Cum	5284.00	6214.00
3	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts su spended floor roof slab, beams, etc. up to floor two level excluding cost of centering,, shuttering, finishing and reinforcement :										
	5.2.1	M 20 Nomial mix (with 20mm nominal size graded stone aggregate)										
		Column for Ground Floor										
		C1 200 x 300	4		0.2		0.3	3.1	0.74			
		B1 Ground Floor Roof Beam X Direction 200X 300 (2D)										
		Room	2		4		0.2	0.3	0.48			
		B1 Ground Floor Roof Beam Y Direction 200X 300 (2D)										
		Room	2		3		0.2	0.3	0.36			
		Slab Ground Floor										
		Room	1		4.0		3.0	0.120	1.44			
									3.02	Cum	5202.00	15731.00
4	5.16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire up to floor two level including all wastage etc. complete.										
	5.16.6	Thermo-Mechanically Treated bars.(TMT)										
		Total Quantity of R.C.C. 1.18@100 Kg /Cum	100					1.18	117.60			
		Total Quantity of R.C.C. 3.02 @100 Kg /Cum	100					3.02	302.40			
									420.00	Kg	62.90	26418.00
5	22.14	Grading roof for water proofing treatment with										
	22.14.3	Cement mortar 1:4 (1cement : 4 sand)										
		Slab Ground Floor area										
		Room	1		4.0		3.2	0.07	0.90			
									0.90	cum	6437.00	5768.00
6	6.5	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg /cm ² and water absorpt ion not more than 20% in foundation and plinth i/c curing etc complete.										
	6.5.2	Cement Mortar 1:6 (1 cement : 6 sand).										
		Brick masonry Ground Floor X Direction 200mmThk										
		Room	2		4.0		0.2	3.1	4.96			
		Brick masonry Ground Floor Y Direction 200mmThk										
		Room	2		3.0		0.2	3.1	3.72			
								A =	8.68	Cum		
		Deduction For Door & Windows										
		D1	1		1.2		0.2	2.1	0.50			
		W1	2		1.5		0.2	1.2	0.72			
		V1	2		1.9		0.2	0.6	0.46			
								B =	1.68	Cum		
		Net Quantity (A - B)							7.00	Cum	4155.00	29085.00

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