

(2)

**DETAILED ESTIMATE FOR CONSTRUCTION OF WORKING SHED (11.00 M X 7.60M) AT SHASKIYA SANJAY
NIKUNJ DEVRI DISTT.SAGAR**

MPPWD SOR Vol I/c (01-01-2011)

S NO	Item of Work	Measurements				UNIT	RATE	AMOUNT
		NO	L	B	H			
1	<p>Excavation by hydraulic means (Hydraulic excavator) manual means over 1.5m in depth, 1.5m in width as well as 10 sqm on top including dressing of sides and leveling of bottom disposal of excavated earth lead up to 50m and up to 1.5m disposed earth to be leveled and neatly dressed. (No extra is payable if work is done by mechanical means) All kinds of soil</p>							
	For Vertical Post	10	0.60	0.60	0.6	2.16		
	Below SW							
	LW	2	7.00	0.20	0.1	0.28		
	SW	2	7.60	0.20	0.1	0.30		
						2.74	Cum	147.00
2	<p>4.1.1.4 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level:</p>							
	Below BW							
	LW	2	7.00	0.20	0.1	0.28		
	SW	2	7.60	0.20	0.1	0.30		
						0.58	Cum	3890.00
3	<p>4.1.1.2 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.</p>							
	4.1.1 With 20mm nominal size graded stone aggregate.							
	4.1.1.2 M-20 - Grade concrete							
	For Vertical Post	10	0.50	0.50	1.00	2.50		
	Floor of Shed	1	10.60	7.20	0.10	7.63		
						10.13	Cum	4933.00
								2272.00
								4997.200
	<p>6.5.1 Brick work with well brunt open bratta, bricks, crushing strength not less than 25kg/cm² and water absorption not more than 20% in foundation and plinth i/c curing etc complete. CM 1:4</p>							
	LW	2	7.00	0.20	0.4	1.12		
	SW	2	7.60	0.20	0.4	1.22		

					2.14	Cum	8387.00	19812.00
SOR No.10.14.1								
Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses/frame work 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. Hot finished welded type tubes								
10 no. 100*100*4mm pipe post @ 12.06 kg/m	10	4.80		12.060	578.88			
5 no. 60*60*2.9 mm pipe @ 5.20 kg/m	5	7.60		5.200	197.60			
5 no. 60*60*2.9 mm pipe @ 5.20 kg/m	10	4.40		5.200	228.80			
10 no. 49.5*49.5*2.9 mm pipe purlin @ 4.07 kg/m	10	11.60		4.070	472.12			
Truss And Nut Bolt					160.00			
					1637.40	Kg	117.00	191576.00
SOR Item No. 12.15								
Providing and fixing precoated galvanised 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.								
In Shade	1	2.00	4.40	12.00	105.60	sqm	652.00	68852.00
SOR Item No. 12.16.1								

	providing and fixing pre-coated galvanized steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm 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 using self drilling/ self tapping screws complete.								
	Ridges plain (500 - 600mm).								
	Shade Ridges								
8	SOR Item No. 5.16.6 Reinforcement for R.C.C. work including straightening, cutting, bending placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete 5.16.6 TMT (FE 500 D OR MORE) 10mm dia Tor bar For Plinth beam 200x200	1	1.00	12.00		12.00	rmt	320.00	3840.00
	L.W.Panel	2	4.00	11.60	0.617	57.26			
	S.W.Panel	2	4.00	8.20	0.617	40.48			
	8mm dia strupps @ 0.20 m C/C								
	L.W.Panel	2	60.00	0.70	0.395	33.18			
	S.W.Panel	2	39.00	0.70	0.395	21.57			
9	(SOR Item No. 5.1.1) Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :M 20 -Grade Concrete For Plinth beam 200x200					152.48	kg	80.00	12199.00
	L.W.Panel	2	11.00	0.20	0.20	0.88			
	S.W.Panel	2	7.20	0.20	0.20	0.58			
						1.46	Cum	6153.00	8984.00
0	(SOR Item No. 5.9.2.1) Centring and shuttering including strutting, propping etc. and removal of form work for Walls (any thickness) including at ached pilasters buttressed, plinth beams and string courses etc. 5.9.2.1 Up to Plinth level For Plinth beam 200x200								

	L.W.Panel	2	2.00	11.00	0.20	0.00			
	S.W.Panel	2	2.00	7.20	0.20	5.76			
						14.56	sqm	219.00	1199.00
11	SOR1 No. 2.27.1								
	With hard minimum having CBR > 12 % at under floors including watering, ramming and compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in thickness and dressing complete. (Note:- maximum thickness of this layer to be provided shall be 30cm)								
	Under Floor of Shed	1	10.60	7.20	0.30	22.90	Cum	391.00	8999.00
12	SOR1 No. 2.26								
	Supplying and filling in plinth with crusher stone dust / coarse sand under floors including watering, ramming and compacting in layers not exceeding 20cm in depth and dressing complete Note: - Maximum thickness of this layer shall be 20 cm.								
	Under Floor of Shed	1	10.60	7.20	0.20	15.26			
						15.26	Cum	672.00	10255.00
13	SOR1 No. 13.2.2								
	15 mm cement plaster of mix :1:6 (1cement : 6 sand)								
	L.W.Panel	2	11.00		0.60	13.20			
	S.W.Panel	2	7.20		0.60	8.64			
						21.84	Cum	168.00	1452.00
14	SOR13.65.								
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade Two or more coats on new work over an under suitable shade with ordinary paint of approved brand and manufacture.								
						25.00	sqm	77.00	1925.00
GRAND TOTAL AS PER SOR									374074.00

DETAILED ESTIMATE FOR MISCELLANEOUS WORK AT SHASKIYA SANJAY NIKUNJ DEVRI DISTT.SAGAR

MPPWD SOR Vol.1w.e.f01/01/2024

MPPWD SOR Vol.2w.e.f01/01/2024

S.No.	Name of Item	Measurements				Qty.	Unit	Rate	Amount	
		No.	Nos.	L	B					H
1	SOR I.NO 15.3 Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in- Charge.									
	Gate Column 0.4*0.4		2	0.40	0.40	1.80	0.576	Cum	844.00	486.11
2	SOR I.NO 5.9.6 Centering and shuttering in cluding strutting, propping etc. and removal of form for									
	Gate Column 4*0.4	2	4	0.40			3.2	Sqm	471.20	1507.84
3	SOR I.NO 5.2.1 Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts etc. above plinth level and upto floor two level excluding cost of centering, shuttering, finishing and reinforcement:									
	Gate Column 0.4*0.4		2	0.4	0.4	1.8	0.576	Cum	6231.00	3589.05
4	SOR, 5.16 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete .									
	5.16.6, TMT (FE 500D or more)						46.08	Kg	80.00	3686.40
	80 Kg/Cum. Concrete									
	For Plant Bed									
	SOR, 5.11									

Providing, hoisting and fixing up to floor two level precast reinforced cement concrete in lintels, manhole cover, shelves and like including setting in cement mortar 1:3 (1 cement : 3 sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with M 15 -Grade Concrete.										
		10	3	1.5	0.1	4.5	Cum	7830.00	35235.00	
SOR, 5.16 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 reinforcement detailing) etc. complete.										
5.6. TMT (FE 500D or more) Kg/Cum. Concrete						270	Kg	80.00	21600.00	
GRAND TOTAL AS PER SOR									66104.44	

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DETAILED ESTIMATE FOR MISCELLANEOUS WORK AT SHASKIYA SANJAY NIKUNJ HATA, DISTT.DAMOH

MPPWD SOR Vol 1 w.e 10/01/2021

S.No.	Name of Item	No.	Measurements			Qty.	Unit	Rate	Amount	
			Nos.	L	B					H
1	SQR 2.1 Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. in all kinds of soil.									
	For Chainlink Fencing									
2	SQR. 2.6 Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50m and lift up to 1.5m. disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical means) All kinds of soil									
	For Posts									
3	SQR, 10.1 Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.									
	angle 50*50*5 3.77Kg/m		28	0.30	0.30	0.60	1.51	Cum	147.00	222.00
	SQR, 4.1.2.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level :									
	1-7.5 Nominal Mix -1 Cement : 4 sand : 8 graded stone aggregate									
	ost Base		28	0.30	0.30	0.60	1.51	Cum	3474.00	5253.00
	SQR I. NO. 10.34.2									

... and fixing G.I. or PVC
 coated G.I. wire chain link fabric
 of required width and
 mesh size including
 strengthening with 2mm dia wire
 or nuts bolts and washers as
 required complete with posts of
 specified material and of standard
 design placed and embedded in
 cement concrete blocks
 45x45x60cm of mix 1:5:10
 (cement .5 sand .10 graded
 stone aggregate 40mm nominal
 size) every 15th post. last but one
 end post and corner post shall be
 strutted on both sides and end
 post on one side only and struts
 embedded in cement concrete
 blocks 70x45x50cm of the same
 mix. as per the direction of
 Engineer-in-charge. (Cost of post,
 painting earthwork & c.c. to be
 paid separately)

Made of G.I. wire.									
2.55 KG/Sqm M			85.00		1.80	390.15	Kg	133.00	11.00
GRAND TOTAL AS PER SOR									82025.00

DETAILED ESTIMATE FOR CONSTRUCTION OF WORKING SHED AT SHASKIYA SANJAY NIKUNJ CHAUMUKHA DISTT.-PANNA

SIZE 11.00 M X 7.60M

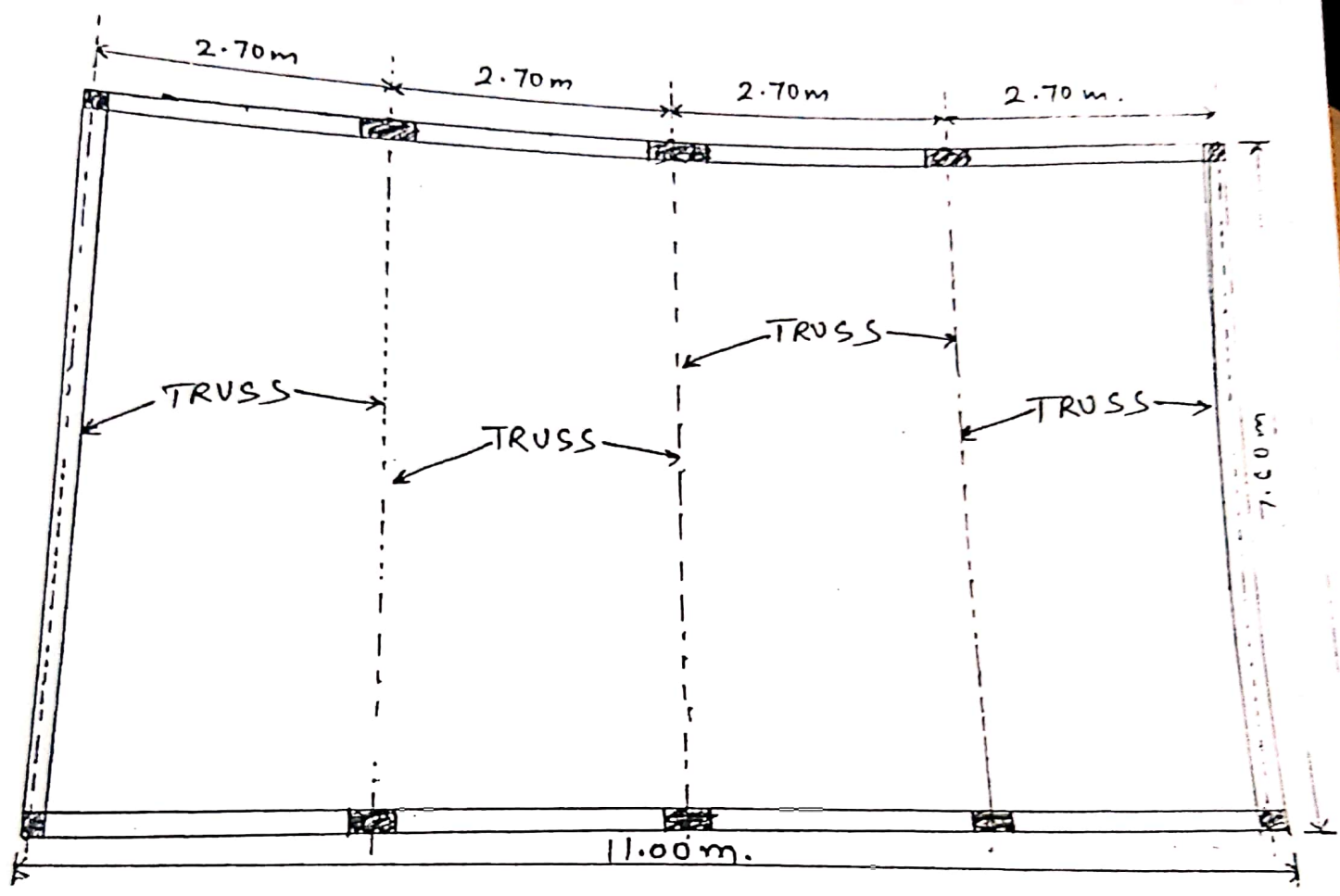
S. NO	Item of Work	Measurements				QTY	UNIT	RATE	AMOUNT
		NO	L	B	H				
1	SOR Item No. 2.6. Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in For Vertical Post Below plinth Beam	10	0.60	0.60	0.60	2.16			
		2	11.00	0.30	0.20	1.32			
		2	7.30	0.30	0.20	0.88			
						4.36	Cum	147.00	641.00
2	SOR Item No. 4.1.1.4 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level : M-10Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate) Below plinth Beam	2	11.00	0.20	0.10	0.44			
		2	7.20	0.20	0.10	0.29			
						0.73	Cum	3890.00	2840.00
	SOR Item No. 6.6.2 Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm ² and water absorption not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete. Cement Mortar 1:6 (1 cement : 6 sand) Below plinth Beam	2	11.00	0.20	0.20	0.88			
		2	7.20	0.20	0.20	0.58			
						1.46	Cum	4350.00	6351.00
	SOR Item No. 4.1.1.2 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level : 4.1.1 With 20mm nominal size graded stone aggregate. 4.1.2 M-20 - Grade concrete Vertical Post	10	0.50	0.50	0.60	1.50			
	Under Floor of Shed	1	11.00	7.60	0.10	8.36			
	For Ramp	1	7.60	1.50	0.10	1.14			
						11.00	Cum	4933.00	51263.00

a	SOR - No 10.14.1												
	Steel work as built up tubular & round angles or rectangular hollow tubes etc. In pipes/frame work etc. including cutting, fitting, tying in												
	vertical post	10	4.8			11.730	563.04						
	Truss												
		5	1.0	7.600	5.030		191.14						
		5	2	4.100	5.030		206.23						
		5	1	1.540	4.000		30.80						
		5	2	1.495	4.070		60.85						
		5	2	1.155	4.070		47.01						
		5	2	1.122	4.070		45.67						
		5	2	0.770	4.070		31.34						
		5	2	1.025	4.070		41.72						
		5	2	0.385	4.070		15.67						
	Purlin	4	2	12.000	3.690		354.24						
							1587.70						
							132.00						
							1719.70	Kg	117.00	201265.00			
e	SOR Item No. 12.15												
	Providing and fixing pre-coated galvanised 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												
	In Shade	2	12	4.40			105.60	sqm	652.00	68852.00			
p	SOR Item No. 12.16.1												
	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness. Zinc coating 120gsm 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 using self drilling/ self tapping screws.												
	Ridges plain (500 - 600mm).												
	Shade Ridges	1	1	12.00			12.00	rmt	320.00	3840.00			

SOF Item No. 5.16.6										
Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps,										
†0mm dia Tor bar For Plinth beam 200x200										
	L.W.Panel	2	4.00	11.30	0.617	55.78				
	S.W.Panel	2	4.00	7.90	0.617	38.99				
8mm dia strupps @ 0.20 m C/C										
	L.W.Panel	2	55.00	0.73	0.395	31.72				
	S.W.Panel	2	40.00	0.73	0.395	23.07				
9	(SOR Item No. 5.1.1)						149.56	kg	80.00	11965.00
Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :M 20 -Grade Concrete										
For Plinth beam 200x200										
	L.W.Panel	2	11.00	0.20	0.20	0.88				
	S.W.Panel	2	7.60	0.20	0.20	0.61				
						1.49	Cum	6153.00	9168.00	
(SOR Item No. 5.9.2.1										
Centring and shuttering including strutting, propping etc. and removal of form work for Walls (any thickness) including at ached pilasters buttressed, plinth beams and string courses etc.										
5.9.2.1 Up to Plinth level										
For Plinth beam 200x200										
	L.W.Panel	2	2.00	11.00	0.20	8.80				
	S.W.Panel	2	2.00	7.60	0.20	6.08				
						14.88	sqm	219.00	3259.00	
R.I. No. 2.26										
Laying and filling in plinth with crusher dust / coarse sand under floors including, watering, ramming and compacting layers not exceeding 20cm in depth and										
	Under Floor of Shed	1	10.60	7.20	0.100	7.63	Cum	672.00	5128.00	

12.	SOR I. No. 2.27.1								
	Supplying and filling in plinth under floors including watering ramming consolidating in layers not exceeding 20cm in depth and dressing complete. With hard muram having CBR >12 % at under floors including watering, ramming and compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in thickness and dressing complete. (Note:- maximum thickness of this layer to be provided shall be 30cm)								
		1	10.60	7.20	0.20	15.26		393.00	5100.00
13.	SOR 13.65.								
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Two or more coats on new work over an under suitable shade with ordinary paint of approved brand and manufacture.								
						15.00	sqm	77.00	1155.00
GRAND TOTAL AS PER SOR									374665.00

PLAN FOR CONSTRUCTION OF WORKING SHED (11.00x7.60m) AT SHASTRI/A SANTHA/NIKUNJ
DEVRI, DISTT.-SAGAR

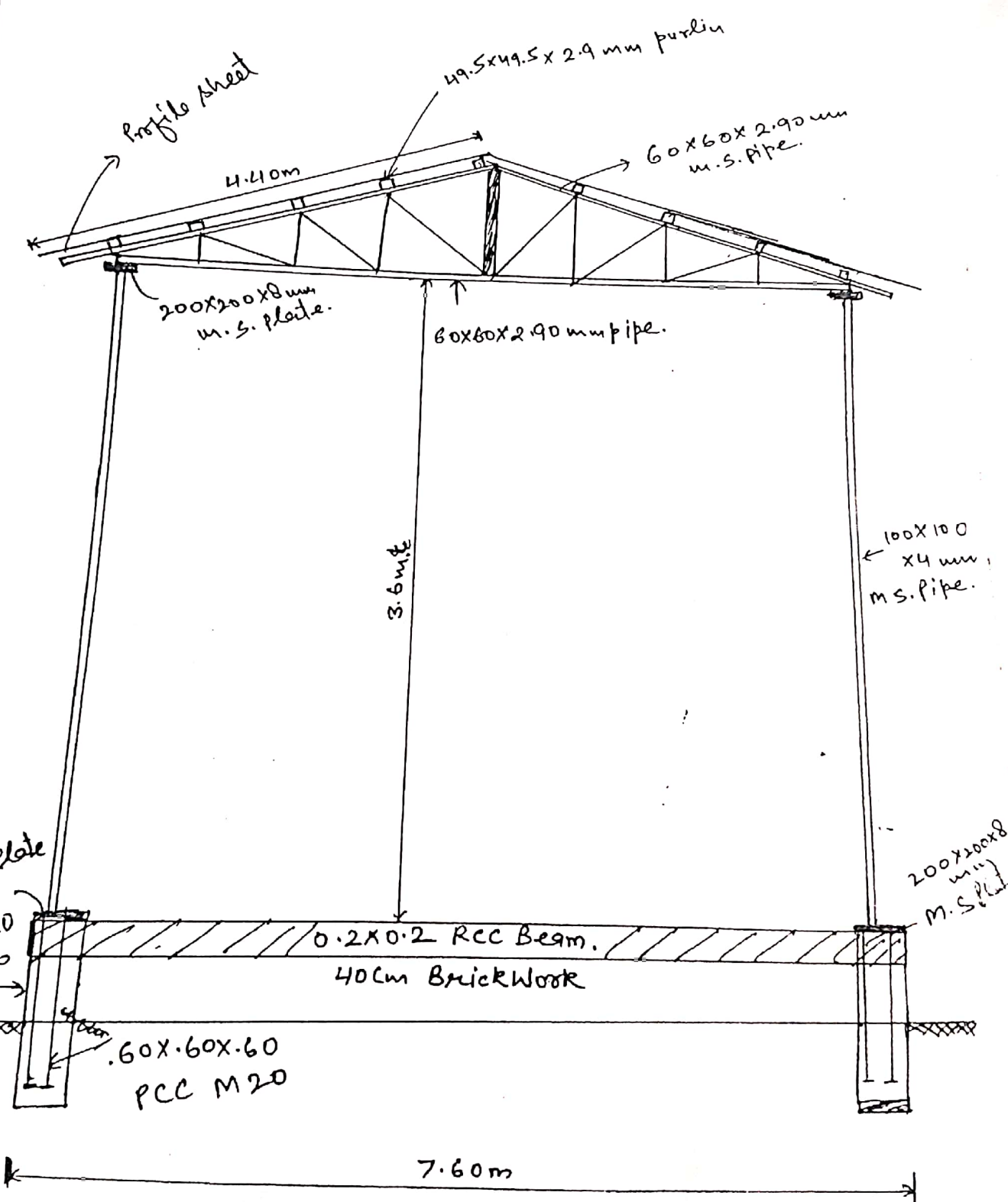


कुम्हर
S.E.(C)

मिर्चान
A.E.(C)

मिर्चान
E.E.(S)

CONSTRUCTION OF WORKING SHED (11.00X7.60m) AT SHASPIYANIKUNJ
 DEURI, DISTT. - SAGAR (8)



Kunda / S.E.(C)
 Hk / Javed / A.E.(C)
 Hk / Javed / E.E.(C)