



**ARYAN ASSOCIATES**  
THE ARCHITECT OFFICE

UNDER THE ONE ROOF YOU GET YOUR EVERY ENGINEERING SOLUTION

Consultants :-  
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Office Address  
Nagpur Road Ufat Colony Infront of  
MPEB OFFICE Salsar, Chhindwar  
(460106)

**SUMMARY SHEET**

PROPOSED ESTIMATE FOR POHA & MURMURA MACHINE SHED  
BELONGS TO RAMSAGAR FARMER PRODUCER COMPANY LIMITED,  
BHANDARBODI

Sr. No.	Discription	Percentage	Amount
1	Civil Work (store house)	As per Estimate	2749974.00
2	Add for electrifiacion	As per Estimate	82499.00
3	Add for royalty	As per Estimate	28000.00
4	Add for lab testing	As per Estimate	32000.00
	Total cost	Rs.	2892473.00
5	Add 18% for GST		520645
	Total	Rs.	3413118
6	Add 0.5% for Insurance		17066
	Total Amount	Rs.	3430184
	Say	Rs.	3430000.00
	In Words (Thirty Four Lakh Thirty Thousand Rupees only)		

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PROPOSED ESTIMATE FOR POHA AND MURMURA MACHINE SHED BELONGS TO RAMSAGAR FARMER  
PRODUCER COMPANY LIMITED, BHANDARBODI

ESTIMATE AS PER GOV. OF M.H (PWD SSR 2020-21)

Measurement and Abstract Sheet

Sr no	SSR ITEM No.	Perticulates	Quntity	Unit	Rate	Amount	Spec.No. & Page No.
		NEW CIVIL WORK					
1	21.34	disposing off out of building premises including making In Rs. clean the ground by shovel and phavaras etc. complete.	307.00	Sqm	5.00	1535	As directed by Engineer in charge.
2	21.02	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	60.50	Cum	182.00	11011	Bd.A.1 Page Number 259
3	24.01	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	7.80	Cum	5449.00	42502	Bd. E. 1 Page Number 287

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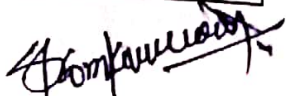
4	25.11	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork. laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	22.20	Cum	6440.00	142968	Bd.F.3 Page Number 298 and B.7, Page Number38
5	25.31	Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	11.70	Cum	12528.00	146578	Bd.F.5 Page Number 300 and B.7, Page.Number 38
6	25.50	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	20.50	Cum	11104.00	227632	

7	26.33	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, parapets, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete	5.00	MT	56117.00	280585	Bd.F.17. Page Number 306
8	27.12	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually, striking joints, racking out joints, watering and scaffolding etc. complete.	14.00	Cum	6082.00	85148	As director by engineer in charge and BDG-2 and 5
9	27.13	Providing fly ash brick masonry with conventional / I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering and scaffolding etc. Complete	50.00	Cum	6305.00	315250	As director by engineer in charge and BDG-2 and 5
10	21.36	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.	46.60	Cum	109.00	5079	Bd.A.10 Page Number 262
11	21.37	Contractors material/brought from outside and approved by Engineer in charge in layers of 15 cm to 20 cm including watering and compaction etc. complete	20.00	Cum	446.00	8920	Bd.A.11 Page Number 263
12	21.38	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	20.00	Cum	1108.00	22160	Bd.A.11 Page Number 264
13	21.24	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of chlorophyrifos per square metre of surface area covering ten years guarantee on bond paper.	233.00	Sqm	87.00	20271	As directed by Engineer in charge.
14	40.01	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square In Rs. Metre as per drawing including fixtures, necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.	13.44	Sqm	1571.00	21114	Bd.U.1 Page Number 537

15	39.25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear)	27.00	Sqm	4473.00	120771	BD-T-55 Page Number 510
16	23.04	Providing structural steel work in trusses. other similar trussed purlins and members with allbracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, abracting, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	4.80	MT	91824.00	440755	Bd.C.8 Page Number 278

18	38.34	Providing and fixing of colour coated Zincaluminium( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated withAluminium-Zinc alloy (55% aluminiumm 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyster paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 mm, comprising of nominal 25mm exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with sublet square fluting in the five pan at nominal 180-250 mmcenter to-center. The end rib shall be designed for anti-capacity groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/Square Metre) 600 mm girth (Surface Width	345.00	Sqm	1042.00	359490	As directed by Engineer in charge.
19	38.09	Providing and fixing valley gutter of 22 B.W.G. (0.8 mm) plain galvanised iron sheets 90 cm wide with teak wood planking 20 mm thick including two coats of coal-tarring the upper surface of plank etc. complete. (excluding painting to underside of plank).	80.40	RM	1947.00	156539	Bd. R. 10, Page Number 455

20	38.44	steel roofing system for a Godown or alike made up of structural grade steel sheet of 912 millimeter width ( tolerance + / - 2 millimeter ), moulded at site using mechanical press dies to the desired curve and shape to form 605 millimeter wide interlocking panels . The interlocking panels shall be pressed to close the seam forming water tight joints for a span of 28.75 meter having arch rise as 5.75 meter, arch length 33.92 meter. The base material made up of imported galvalume steel complying to ASTM A792 having base metal thickness of 1.40 millimeter ( tolerace + / - 0.02 millimeter ) with alloy coating AZ 150 and paint coating of regular modified polyster , top coat 25 micron and bottom coat 12 micron as per approved colour , including fixing hangers , clamps etc.as may be necessary of Proflex standard, including fixing sky light of 2 millimeter thick polycarbonate sheet of size 2' x 14' and turbo ventilator of 24" diameter to be installed at every 30 feet along the length of roof including finishing , testing and cleaning etc. complete.	5.80	Sqm	2503.00	14517	As directed by Engineer in charge.
21	42	Turbo ventilator 24"	8.00	nos	8095.00	64760	Single Item
22	32.03	12mm thick in single coat in cement mortar 1.5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete	390.00	Sqm	257.00	100230	Bd. L.2 Page Number 368
23	32.06	20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete. brick surface, in all positions including scaffolding and curing etc. complete	316.00	Sqm	359.00	113444	Bd.L.4 Page Number 368
24	36.12	emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete.	706.00	Sqm	69.00	48714	Bd.P.6 Page Number 414
<b>TOTAL</b>						<b>2749974</b>	
<b>ADD 3% ELECTRIFICATION</b>						<b>82499</b>	
<b>ADD ROYALTY CHARGES</b>						<b>28000</b>	
<b>ADD LAB TESTING CHARGES</b>						<b>32000</b>	
<b>ADD 18% GST</b>						<b>520645</b>	
<b>SUB TOTAL</b>						<b>3413118</b>	

  
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## ELECTRIFICATION

PROPOSED ESTIMATE FOR CONSTRUCTION OF STOREHOUSE BELONGS TO RAMSAGAR FARMER PRODUCER COMPANY LIMITE, BHANDARBODI

Sr. No.	Perticulates	unit	Quantity	Rate	Amount
1	Single core PVC insulated copper wire 1.5 sqm	m	17	2632	44744.00
2	Bulb 60W pine type	no.	7	28	196.00
3	CFL 23w holder	no.	10	230	2300.00
4	Switch MCCb 100A	no.	6	1045	6270.00
5	MCB 20Amp	no.	4	635	2540.00
6	Tube rod 36W	no.	13	370	4810.00
7	6 M modular PVC box	no.	11	75	825.00
8	Switch 15A	no.	20	50	1000.00
9	Socket 15A	no.	21	36	756.00
10	Choke 18 Watt for 4 pin CFL	no.	13	360	4680.00
11	3 Core , 2.5 Sqm , Flexible pvc insulated cable	no.	45	65	2925.00
12	Connector strip 10A	no.	101	25	2525.00
13	Plug top 25A, 3 pin	no.	13	60	780.00
14	PVC tape roll	no.	13	270	3510.00
15	Batten nail	no.	25	35	875.00
16	Tube starter 20-65 W	no.	15	32	480.00
17	Terminal power strip, 15Amp, 3socket, 3 switch	no.	3	1035	3105.00
				<b>TOTAL=</b>	<b>82321.00</b>

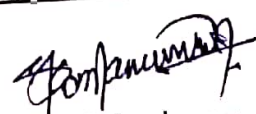
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## Material Lab Testing Charges

ESTIMATE FOR 510MT STOREHOUSE BELONGS TO RAMSAGAR FARMER PRODUCER COMPANT  
LIMITED, BHANDARBODI

SR. NO.	Particulars	Qty	Unit	Test To Be Carried Out	NO. of Test	Rate per test	Amount	Remark
1	Cement	690	Bags	Cement- Fineness, standard, Consistency, Setting Time (Initial & final ) Compressive strength, Soundness	1.00	7540	7540	1 test per 1000 Bags
2	Concrete M-10 Grade	10	Cum	M10- Concrete Cube Compressive Strength (Set of 3 Cubes )	1.00	1380	1380	1 Test for 15 cum
3	Concrete M-20 Grade	56	Cum	M20- Concrete Cube Compressive Strength (Set of 3 Cubes )	4.00	1380	5520	1 Test for 15 cum
5	Crushed Metal for Concrete	56	Cum	Metal- Water absorption, Specific Gravity, Impact Value, Crushing Value	1.00	5200	5200	1 test per 200 cum
				Metal- Gradation	1.00	1380	1380	1 test per 200 cum
				Metal- Combined Flakiness & Elongation Of Single metal	1.00	1700	1700	1one test per 200 cum
6	Bricks	49500	nos	Bricks- Crushing Value, Water Absorption, Specific Gravity	1.00	4350	4350	1 test per 50000 nos
7	Sand	62	Cum	Sand- Fineness Modulus, Silt & Clay content	1.00	2760	2760	1 test per source
8	TMT Steel Bars	7	M.T	Steel- Tensile Strength, Yield Strength, Ultima tensile Strength, % Elongation, Weight per running meter, Bend/Rebend Test (set of 3 bars)	1.00	2550	2550	
<b>TOTAL=</b>							<b>32380</b>	
<b>SAY</b>							<b>32000</b>	

  
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