





NALDEHRA BUILDING CENTRE

50000cbm/year fly ash block making machine allocation table

S.No.	Name,Type, Specification	Technical specifications	Unit	Quantity	Unit Price (In Indian Rupees)	Total	Equipment Pictures
Raw Material Process							
F101	Jaw Crusher PE200x300	Feed Size- 165mm Adjustment Scope- 20-70mm Main Shaft Rotary Speed- 265 Capacity- 2-8m ³ /h Motor Power- 11kw	Set	1	3,60,000.00	3,60,000.00	
F102	Bucket Elevator TH250x11m	Max Size- 35mm Running Speed- 1.4m/s Pitch of Buckets- 512mm Capacity- 16 m ³ Motor Power- 5.5kw	Set	1	385/m	5,10,000.00	
F103	Lime Silo	V=20m ³	Set	1	3,60,000.00	3,60,000.00	





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F104	GZ3 GZ3 Vibrating Feeder	Feed Size- $\leq 50\text{mm}$ DubleVibration Amplitude-1.75mm Motor Power-0.15kw	Set	1	1,55,360.00	1,55,360.00	
F105	Ball Mill(dry) $\text{\O} 1.2 \times 4.5\text{m}$	Rotational Speed-32r/min Feed Size- $\leq 25\text{mm}$ Capacity- 1.6-5.8m ³ /h Motor Power- 45kw	Set	1	14,06,000.00	14,06,000.00	
F106	Bucket Elevator TH250x19m	Feed Size- 35mm Running Speed- 1.4m/s Pitch of Bucket- 512mm Capacity- 16 m ³ Motor Power- 7.5kw	Set	1	385/m	5,84,640.00	
F107	Lime Bin Cement Bin	$\text{\O} 2.5 \times 4.7\text{m}$ $V=20 \text{ m}^3$	Set	2	4,50,000.00	9,00,000.00	
Dosing and Mixing System							





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F201	Spiral Feeder LX250x4.5	Turning Speed- 60r/min Capacity- 10-40T/h Power- 4kw	Set	1	2,10,000.00	2,10,000.00	
++++ ++++ F202	Spiral Feeder LX250x4.0	Turning Speed- 60r/min Capacity- 10-40t/h Motor Power- 4kw	Set	1	2,35,000.00	2,35,000.00	
F203	Cement, Lime Measuring Tank	Tank Diameter- 1200mm Tank Height- 1500mm	Set	1	4,96,000.00	4,96,000.00	
F204	Slurry Measure Tank	Tank Diameter- 1500mm Tank Height- 1700mm	Set	1	4,33,000.00	4,33,000.00	





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F205	Mixer System	Type of Reduction- BLD4--43 Power- 7.5 kw×3		3	2,15,000.00	6,45,000.00	
F206	Slurry Pump 100YZ100-30A	Depth- 1.8m Flow- 75 m ³ Lift- 30m Motor Power- 18.5 kw×3	Set	3	2,10,000.00	6,30,000.00	
F207	Pneumatic Valve	Ø80	Set	1	43,040.00	43,040.00	
F208	Air Compressor	Power- 5.5kw	Set	1	61,520.00	61,520.00	
F209	Dry Powder Weigher	1500kg	Set	1Set	73,840.00	73,840.00	


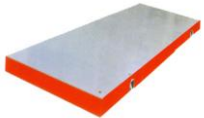



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F210	Slurry Weigher	4000kg	Set	1Set	1,10,720.00	1,10,720.00	
F211	Rolling Screen SG1015	Diameter-1000mm Height-1500mm Mesh Size-8mm Power-4kw	Set	1	1,73,840.00	1,73,840.00	
F212	PLC Plc measuring Control system			1	1,84,640.00	1,84,640.00	
F213	Aluminum mixer tank V=0.25m3	Power-0.25kw		1	30,800.00	30,800.00	
Pouring and Hardening & Cutting System							
F301	Mixing Pouring JG	Mixing Area V=3.2 m³ Power-15kw	Set	1	6,30,000.00	6,30,000.00	





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+F30 2	Mould V=3.024 4.2x1.2x0.6			12	2,05,000.00	24,60,000.00	
F303	Bottom Surface Plate	Size 4.17x1.5m		48	89,000.00	42,72,000.00	
F304	Hardening Car	Bearing Capacity- 5t Size 3.8x1.4x0.23m		24	70,000.00	16,80,000.00	
F305	Ferry Car	Power 7.5kw Size 4.2x2.3x1.5		1	6,30,000.00	6,30,000.00	
F306	4 Lifting	Count 4		3	75,000.00	2,25,000.00	




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F307	Cutting Machine JQ4.0	Cutting Length- 4000mm Cutting Height- 1200mm Cutting Cycle- 6 Cut Surface- 6 Precision ±1.5-2mm Power- 33kw		1	35,69,200.00	35,69,200.00	
F308	Dragger	Tension- 50KN Diameter- Ø17mm Power- 5.5 kw Speed- 8-15min		3	2,10,000.00	6,30,000.00	
F309	Pillar	Diameter- Ø60mm Height- 650mm		80	4,100.00	3,28,000.00	
Pressure Vessel, Crane							
F401	5+5t Crane,Double Speed,Double Hook	Loader- 5t Motor- 11.5kw		2	4,30,800.00	8,61,600.00	

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F402	5T Crane,Double Speed,Single Hook 5T	Loader-5t Power-7.5kw		1	8,00,000.00	8,00,000.00	
F403	Autoclave	Diameter-2m Length-32m Compression Strength-13kg		2	32,00,000.00	64,00,000.00	
F404	4T Boiler	Quantity of Steam- 4t Power-18kw		1	28,30,800.00	28,30,800.00	
F405	Water Softening System 3000 Lit/Hr.				10,00,000.00	10,00,000.00	

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		Dust Catcher		1		6,00,000.00	Local Procurement & Site Fabrication
		Draught Fan		1		35,000.00	----Do----
		Dirt Catcher on the Top Roof		1		6,00,000.00	----Do-----
	12	NO12 Rail		500		15,80,000.00	-----Do-----
	24	NO.24 Rail		200		8,00,000.00	----Do-----
		Lime Block Chute		1		50,000.00	-----Do-----
	V=10m3	Cold Water Tank 20,000Lit.		1		1,75,000.00	-----Do-----
		Air Hose and support of the Pipeline				5,00,000.00	-----Do-----
		Cross the Autoclave		2		2,20,000.00	---Do---
		Electrical I System			Appx.	7,50,000.00	----Do----
	300	Transformer 300		1		4,00,000.00	----Do----
		Library Equipments				2,75,000.00	----Do----
		Civil Engineering Cost			Appx.	1,80,00,000.00	----Do----
	3t	Loader		1	Appx.	25,00,000.00	----Do----
		Lime Bin Vol. 20m3		1		3,00,000.00	
		Cement Bin		1		3,00,000.00	
		Pole Support				2,00,000.00	
		St Pipeline				6,50,000.00	
		Water Pipeline				2,75,000.00	
				Estimated Cost- 6.65Cr.			

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				Excise @10.3% or as applicable.
				Sales Tax@2% against Form 'C' or @5.25%.
				Ex-Works Faridabad.

Direct Labour & Raw Material Cost/CBM

By Flyash Route		By Sand Route	
1.500 Kg Flyash	350.00	500 Kg River Sand	175.00
2.100 Kg Lime (CaO)	350.00	100 Kg Lime (CaO)	250.00
3. 50Kg x 10 Cement	500.00	50 Kg x 10 Cement	500.00
4.75 Gypsum	150.00	75 Gypsum	150.00
5. Aluminium Powder	50.00	Aluminium Powder	50.00
D/RM		D/RM	
Energy (25 Units x6)	150.00	Energy (25 Units x6)	150.00
Labour	50.00	Labour	50.00
	1580.00		1305.00

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Extra- Cost of Interest & Depreciation + Maintenance Charges

Building Area

Workshop 52mx12.5mx9=650m²

Ingredient Floor 7mx7.5mx10.5=52.5m²

Autoclave Area 16mx29m=464m²

Convalesce Plant 22mx8mx2=176m²

Crushing Plant 30mx16m=480m²

Area 50mx40m=2000m²

Group Plant 22mx8mx2=176m²

Boiler 8mx8mx7=64m²

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