

PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT NO:163, KANEGAON, TAL-LOHARA, DIST. NAME OF COMPANY:- NNG AGRO-PRODUCER CO.LTD., KANEGAON.

ABSTRACT OF MEASUREMENTS FOR PROPOSED WAREHOUSE BUILDING, 1560 M.T. CAPACITY.

SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK, Standard Specification Reference.
1	Excavation in soil plus soft murum with all leads and lifts, with backfilling the trenches and dewatering complete. (Manually)	CU.M.	38	232	8816	BDA-1/Page No. 259
2	Excavation in Hard murum with all leads, lifts including backfilling the trenches and dewatering complete.	CU.M.	107	354	37878	BDA-1/Page No. 259
3	Excavation in Hard murum and Boulders with all leads and lifts including backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	76	235	17860	BDA-1/Page No. 259
4	Excavation in Soft Rock with all leads and lifts, backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	25	291	7275	BDA-1/Page No. 259
5	Excavation in Hard Rock with pneumatic breaker, all leads and lifts, backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	13	1051	13663	BDA-1/Page No. 259
6	providing anti-termite treatment to trenches with 5 liters per Sq.M. area by 1liter Chlorophyrifos plus+19 liters of water i.e. 20% Emulsionas, per specifications and dose directed by Engineer-in-Charge, complete.					As directed by Engineer-in-Charge.
A	Bottom surface of trench	SQ.M.	125	92	11500	
B	Backfilling of Trenches	SQ.M.	115	97	11155	
C	Plinth and Apron	SQ.M.	878	94	82532	
7	Providing ,laying, PCC M-10 Grade, including formwork, compaction , curing with all leads and lifts complete as per specifications.	CU.M.	123	5997.64	737709.72	BDE-1/P/287
8	Providing RCC 1:1.5:3 for footing including, formwork, compaction by virator, curing etc. with all leads and lifts , testing, complete as per specifications.	CU.M.	11	7266.37	79930.07	BDF-3/P/298 & B-7/P/38
9	Providing RCC 1:1.5:3 for Column in Substructure including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications	CU.M.	38	13945.37	529924.06	BDF-5/P/300 & B-7/P/38
10	Providing RCC 1:1.5:3 for Beam in Substructure including, formwork, compaction by virator, curing , testing etc. with all leads and lifts , complete as per specifications.	CU.M.	8.42	12431.37	104672.1354	BDF-5/P/300 & B-7/P/38
11	Providing RCC 1:1.5:3 for Beam in Superstructure including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	23.73	12431.37	294996.4101	BDF-5/P/300 & B-7/P/38
12	Providing UCR Stone in Cement Mortar 1:6 in Substructure with scaffolding, curing , testing all leads and lift complete as per specifications.	CU.M.	97.1	5270.37	511752.927	BDG-1/P/313

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13	Providing BBM in Cement Mortar 1:6 in Superstructure with scaffolding, curing, testing all leads and lift complete as per specifications.	CU.M.	144.82	8395.19	1215791.416	BDG-5/P/315
14	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:5 to inside of walls with scaffolding, curing complete as per specifications.	SQ.M.	655	272.94	178775.7	BDL-2A/P/368
15	Waterproof sand faced Cement Plaster externally in C.M. 1:4 using approved screened sand in all positions including base coat Of 15 mm thick, in C.M. 1:4, using Waterproof Compound at 1 kg per cement bag, curing the same for not less than two days and keeping the surface of the base coat rough to receive sand face treatment 6 to 8 mm thick in C.M. 1:4 finishing the surface by taking out grains and curing for 14 days scaffolding etc complete.	SQ.M.	885	643.45	569453.25	
16	Providing White lime wash in two coats to internal wall of Warehouse, scaffolding etc complete as per specifications.	SQ.M.	655	12	7860	36.03/BDP-1
17	Providing Colour wash in two coats to External wall of Warehouse, scaffolding etc, complete as per specifications.	SQ.M.	885	19	16815	36.05/BDP 2A
18	Providing Steel Ventilators as per drawing, scaffolding etc complete as per specifications.	SQ.M.	27.36	2098.4	57412.224	40.01/BDU-1
19	Providing Mild steel Rolling Shutters as per drawing, scaffolding etc complete as per specifications.	SQ.M.	21.6	4829	104306.4	39.24/BDT-55
20	Providing Synthetic Enamel painting in three Coats to Steel Ventilators and Rolling Shutters.	SQ.M.	116.16	96	11151.36	35.07/BDO-5
21	Providing hard murum in plinth with approved material obtained from contractors source with all leads and lifts, laying layers of 20 to 30 cm; breaking clods to the required lines, grades, and curves and section, watering compaction not less than 97% of Standard Proctor Density etc. complete	CU.M.	434	801.057	347658.738	SSR 25/383
22	Providing, laying PCC M 15 on top of Apron compaction, curing, testing complete as per specifications.	CU.M.	4	6359	25436	BDE-2/P/288
23	Providing Size metal layer, complete as per specifications and as directed by Engineer-in-Charge..	CU.M.	8	1804	14432	3.04/MORTH 401
24	Providing and spreading soft murum blindage over apron and size metal layer in plinth, watering, compaction by plate vibrator/ 10 T Roller, complete as per specifications.	CU.M.	22	664	14608	SSR/2.29 b & 2.30 & 2.31, Road sub grade/p/28.
25	Providing watering, compaction by plate vibrator over apron size metal layer complete as per specifications.	SQ.M.	80	50	4000	M.R.
26	Providing Cement plaster 12 mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surface in all positions, including curing, scaffolding complete as per specifications and as directed by Engineer-in-Charge.	SQ.M.	331	272.94	90343.14	BDL2/P/368
27	Providing fine cement finish 1.50 mm thick over green plaster surface including scaffolding curing etc, complete	SQ.M.	331	72	23832	SSR/32.21/BDL/P/258 As directed by Engineer-in-Charge.
28	Providing Compacted 200 mm thick 65% Oversize plus 35% Size metal layer in the plinth of Warehouse building, spreading, watering, compaction by 10 T roller, including soft murum as blindage complete as per specifications	CU.M.	121	1302	157542	AS per R.A.

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29	Providing PCC 1:1.5:3, 150 mm thick Trime Concrete layer in the plinth floor of Warehouse building, M.S. Channel form work, skid vibrator, vacuum dewatering, travelling with machine, rough finish, groove cutting for construction and expansion joint filling the groove with Thermocol and polysulphide sealant, arranging 3 phase electric supply for the work, complete as per specifications and as directed.	CU.M.	86	7647.68	657700.48	BDE-2/P/288
30	Providing and fixing M.S. Silt Angle of size 50x50 6mm at Rolling Shutter Door including hold fast, line level complete as per specifications.	M.T.	0.054	97830.44	5282.84376	BDC2/P/275
31	M.S. TMT Fe-500 Grade Bar Reinforcement conforming to IS:226 and IS:2062, including cutting, bending, binding with M.S. G.I. wires, placing in position, testing complete as per specifications and as directed.	M.T.	7.382	89774.44	662714.9161	BDF-17/P/306
32	Providing and fixing steel trusses, other similar trussed purlins, members with all bracings, gusset plates conforming to IS:226 and IS:2062, nuts and bolts with fabrication, erection, scaffolding, Cleaning, applying, Red Oxide primer one coat and oil painting in two coats, testing, with all leads and lifts complete as per specifications and as directed.	M.T.	21.69	89181	1934335.89	BDC-2/P/275
33	0.9 m high and three rows S.S Railing of 304 grade complete as per specifications and as directed.	RM.	0	4004	0	BDW & As directed by ENC.
34	Providing, ISMC 150X75 MM, fabricating, fixing in position with holdfast, one coat of red oxide primer and two coats of oil paint, etc complete as per specification complete as directed.	M.T.	0.63	97830.44	61633.1772	BDC2/P/275
35	Providing Country Cut Teak Wood Frame of 25x65 mm size frame with/ without ventilator of size specified for doors including champhering, rounding rebating, fixing iron holdfast of size 300x40x5 mm, one coat of primer and two coats of oil paint, complete as per specification and as directed by Engineer-in-Charge.	CU.M.	0.036	200050	7201.8	SSR39.01/BDT/P/303
36	Providing and fixing solid core flush door shutter in single leaf 32 mm thick without ventilators, commercial type of exterior grade as per detailed drawing, with wrought iron holdfast, stainless steel fixtures and fastenings, one coat of primer and two coats of oil paint, complete as directed.	SQ.M.	2.051	2913	5974.563	SSR 39.1/BDT-36/P/304
37	Providing and fixing in position (as per IS:1868/1988), the sliding window of two track with rectangular pipe having overall dimension 63.50x 38.1x1.02 mm at weight 0.547 Kg/R.M. and window frame track section 63.50x18x1.25 mm at weight 0.417 Kg/ R.M. as per detailed drawing and as directed by Engineer-in-Charge with all necessary fixtures and fastenings such as roller bearings in nylon casing and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete.	SQ.M.	1.8	5479	9862.2	SSR 39.37/BDT/P/310
38	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and parties, including curing, vibration, curing, testing complete as per specifications and as directed.	CU.M.	9.12	17601	160521.12	SSR 26.31/BDF-16/P/232/IS:456(2004)

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39	PROVIDING, FABRICATING, FIXING IN POSITION M.S. Ladder as per drawing and design, one coat of red-oxide primer and two coats of oil paint complete as per specifications and as directed by the Engineer-in-Charge.	M.T.	0.16	97830.44	15652.8704	BDC2/P/275
40	PROVIDING AND FIXING IN POSITION 11.35 M height lightning arrester as per drawing, design, specification complete as directed by Engineer-in-Charge.	Number	1	8000	8000	M.R.
	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 (BMF) (0.5 mm TCT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester 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 mm center- 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/ One Square Metre) 600 mm girth (Surface Width).	SQ.M.	1019.48	751.27	765904.7396	
				Total	9583866.15	
				TOTAL	9583866	

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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT NO.161, KANEGAON, TAL-IOHARA, DIST. OSANABAD.

NAME OF COMPANY:- NMG AGRO PRODUCER CO.LTD., KANEGAON.

ABSTRACT OF MEASUREMENTS FOR PROPOSED WAREHOUSE BUILDING, 1560 M.T. CAPACITY.

LEAD OF MATERIALS

SR.NO	PARTICULARS	LEAD IN KM.	UNIT	ACTUAL CHARGES	PAY LOAD FACTOR	LEAD CHARGES PER
1	SAND	30	CUM.	619.56	5.75	107.75
2	CRUSHED METAL 10/40	30	CUM.	619.56	5.75	107.75
3	40 MM CRUSHED METAL ABOVE	30	CUM.	593.74	6	98.96
4	RUBBLE	30	CUM.	757.97	4.7	161.27
5	BRICKS	15	NO.	1121.12	3.105	361.07
6	HARD MURUM	2	CUM.	203.32	6	33.88
7	CEMENT	60	M.T.	712.95	10	71.3
8	STEEL	60	M.T.	712.95	10	71.3

SSR 2002-05 RATE WITH LEAD CHARGES STATEMENT

SR.NO OF ESTIMATE ITEM	DESCRIPTION OF ITEM	MATERIAL REQD.	MATERIAL PER CUM.	CHARGES PER CUM.	TOTAL LEAD CHARGES	TOTAL MATERIAL LEAD CHARGES	SSR RATE AS PER 22-23	TOTAL RATE IN RS.	SSR ITEM NO.	
7	PCC Bed concrete M-30	Sand	0.47	107.75	50.64	167.64	5830	5997.64	24.01/BOE-1	
		Metal	0.94	107.75	101.29					
		Cement	4.4	3.57	15.71					
8	RCC Footing in CC M-20	Sand	0.425	107.75	45.79	162.37	7104	7266.37	25.11/BOF-3	
		Metal	0.85	107.75	91.59					
		Cement	7	3.57	24.99					
9	RCC Column in CC M-20	Sand	0.425	107.75	45.79	162.37	13783	13945.37	25.33/BOF-5	
		Metal	0.85	107.75	91.59					
		Cement	7	3.57	24.99					
10&11	RCC Beam & Lintel in CC M-20	Sand	0.425	107.75	45.79	162.37	12769	12431.37	25.50/BOF-6	
		Metal	0.85	107.75	91.59					
		Cement	7	3.57	24.99					
12	UCR Masonry in C.M.(1:5) in substructure	Sand	0.35	107.75	37.71	245.37	5035	5270.37	28.01/BOH-1	
		Rubble	1.25	161.27	201.99					
		Cement	1.7	3.57	6.07					
13	BBM in Superstructure in C.M.(1:5)	Sand	0.32	107.75	34.48	401.19	7954	8395.19	27.06/BOG-7	
		Burnt Bricks	1	361.07	361.07					
		Cement	1.58	3.57	5.64					
14	Cement plaster 12 mm thick in C.M.I.S. in single coat without neeru finish.	Sand	0.015	107.75	1.62	1.94	271	272.94	32.03/BDL2	
		Cement	0.09	3.57	0.32					
15	Sand faced Cement Plaster in two coats to external surface	Sand	0.033	107.75	3.56	4.45	639	643.45	32.11/BDL-7	
		Cement	0.25	3.57	0.89					
18	M.S.Ventilators 20 kg per square meter.	M.S.Bars	20	0.07	1.4	1.4	2097	2098.4	40.01/BDL-1	
21	H.M. Piling in PBeth	Hard Murum	1.3	33.89	44.057	44.057	757	801.057	2.28/WORTH 305/P/28	
22	PCC M-15 for Apron	Sand	0.44	107.75	47.41	164.73	6339	6523.73	24.04/BOE-2	
		Metal	0.89	107.75	95.9					
		Cement	6	3.57	21.42					
29	PCC M-20 for Trinia concrete Flooring	Sand	0.425	107.75	45.79	166.68	166.68	166.68		
		Metal	0.85	107.75	91.59					
		Cement	7	3.57	24.99					
	Add for Vacuum Dewatering machinery and Labour charges Cement concrete qty		812.595	SQ.m	75	60944.63				
			Groove cutting and Filling with Polynofide sealant	812.595	SQ.m	20	16251.9			
							71296.53			
	Volume of concrete Cost of vacuum dewatering and groove cutting and filling per Cum	101.5744				760				
30	M.S. Sill angle	M.S. Angle	1.002	71.3	71.44	71.44	97759	97830.44	SSR23.02/BOC-3/P/212	
31	M.S.TMT Fe-500 Bar reinforcement.	M.S. Angle	1.002	71.3	71.44	71.44	89703	89774.44	SSR26.33/BOF-17/P/213	
42	0.5 mm thick Zinkalumium sheet roofing	Zinkalumium Sheet	3.925	0.003848	71.3	0.27	0.27	751	751.27	SSR 38.35/BDM/P/292

INTERNAL SERVICE ROADS

3	Supplying Ornimize Metal	O.S Metal	1.05	98.96	103.91	103.91	885	988.91	RS. 885/- PER CUM. IS SUPPLY MARKET RATE
4	Supplying Size Metal	Size Metal	1.05	107.75	113.14	113.14	885	998.14	RS. 885/- PER CUM. IS SUPPLY MARKET RATE
5	Supplying Soft Murum	S.M.	1.05	33.89					
1	M.S Tubular Gate Wt of Gate in M.T.	SQ.M.	0.03675	71.3	2.630375	2.62	7257	2259.62	SSR 23.02/BOC/P/213

0.035

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PROPOSED CONSTRUCTION OF 1560 M.T. WAREHOUSE BUILDING AT GAT NO:161, KANEGAON, TAL-LOHARA, DIST. OSMAN
 NAME OF COMPANY:-- NNG AGRO PRODUCER CO.LTD., KANEGAON.

ESTIMATE FOR PROPOSED CONSTRUCTION OF 1560 M.T. WAREHOUSE AT GAT NO:161, KANEGAON, TALUKA-LOHARA,
 DIST. OSMANABAD.

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT
	Excavation in soft plus soft							
1	murum							
	C1 Column	4	1.4	1.4	0.15	1.176		
	c2 Column	14	1.25	1.4	0.15	3.675		
	C3	8	1.25	1.4	0.15	2.1		
	Long Wall							
		4	3.519	0.9	0.15	1.90026		
		12	3.519	0.9	0.15	5.70078		
	Short side wall	4	3.28	0.9	0.15	1.7712		
		6	3.08	0.9	0.15	2.4948		
	Apron				0.15			
	Long Wall	2	38.5	0.15	0.15	1.7325		
	Short Wall	2	22	0.15	0.15	0.99		
	Gutter				0.15	0		
	Long Wall	2	38.5	0.68	0.15	7.854		
	Short Wall	2	22	0.68	0.15	4.488		
	Platform				0.15			
	Long Wall	5	3.9	0.75	0.15	2.19375		
	Short Wall	10	1.5	0.75	0.15	1.6875		
	Slant wall	10	0.3	0.75	0.15	0.3375		
	TOTAL					38.10129	38	CU.M.
2	Excavation in Hard murum							
	C1 Column	4	1.4	1.4	0.6	4.704		
	c2 Column	14	1.25	1.4	0.6	14.7		
	C3	8	1.25	1.4	0.6	8.4		
	Long Wall				0.6	0		
		4	3.519	0.9	0.6	7.60104		
		12	3.519	0.9	0.6	22.80312		
	Short side wall	4	3.28	0.9	0.6	7.0848		
		6	3.08	0.9	0.6	9.9792		
	Apron				0.15	0		
	Long Wall	2	38.5	0.15	0.15	1.7325		
	Short Wall	2	22	0.15	0.15	0.99		
	Gutter				0.15	0		
	Long Wall	2	38.5	0.68	0.15	7.854		
	Short Wall	2	22	0.68	0.15	4.488		
	Platform				0.15	0		
	Long Wall	5	3.9	0.75	0.6	8.775		
	Short Wall	10	1.5	0.75	0.6	6.75		
	Slant wall	10	0.3	0.75	0.6	1.35		
	TOTAL					107.2117	107	CU.M.
3	Excavation in Hard murum and Boulders							
	C1 Column	4	1.4	1.4	0.3	2.352		
	c2 Column	14	1.25	1.4	0.3	7.35		
	C3	8	1.25	1.4	0.3	4.2		
	Long Wall				0.3	0		
		4	3.519	0.9	0.3	3.80052		
		12	3.519	0.9	0.3	11.40156		

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	Short side wall	4	3.28	0.9	0.3	3.5424		
		6	3.08	0.9	0.3	4.9896		
	Apron				0.3	0		
	Long Wall	2	38.5	0.15	0.3	3.465		
	Short Wall	2	22	0.15	0.3	1.98		
	Gutter				0.3	0		
	Long Wall	2	38.5	0.68	0.3	15.708		
	Short Wall	2	22	0.68	0.3	8.976		
	Platform				0.3	0		
	Long Wall	5	3.9	0.75	0.3	4.3875		
	Short Wall	10	1.5	0.75	0.3	3.375		
	Slant wall	10	0.3	0.75	0.3	0.675		
	TOTAL					76.20258	76	CU.M.
4	Excavation in Soft Rock							
	C1 Column	4	1.4	1.4	0.1	0.784		
	c2 Column	14	1.25	1.4	0.1	2.45		
	C3	8	1.25	1.4	0.1	1.4		
	Long Wall				0.1	0		
		4	3.519	0.9	0.1	1.26684		
		12	3.519	0.9	0.1	3.80052		
	Short side wall	4	3.28	0.9	0.1	1.1808		
		6	3.08	0.9	0.1	1.6632		
	Apron				0.1	0		
	Long Wall	2	38.5	0.15	0.1	1.155		
	Short Wall	2	22	0.15	0.1	0.66		
	Gutter				0.1	0		
	Long Wall	2	38.5	0.68	0.1	5.236		
	Short Wall	2	22	0.68	0.1	2.992		
	Platform				0.1	0		
	Long Wall	5	3.9	0.75	0.1	1.4625		
	Short Wall	10	1.5	0.75	0.1	1.125		
	Slant wall	10	0.3	0.75	0.1	0.225		
	TOTAL					25.40086	25	CU.M.
5	Excavation in Hard Rock							
	C1 Column	4	1.4	1.4	0.05	0.392		
	c2 Column	14	1.25	1.4	0.05	1.225		
	C3	8	1.25	1.4	0.05	0.7		
	Long Wall				0.05	0		
		4	3.519	0.9	0.05	0.63342		
		12	3.519	0.9	0.05	1.90026		
	Short side wall	4	3.28	0.9	0.05	0.5904		
		6	3.08	0.9	0.05	0.8316		
	Apron				0.05	0		
	Long Wall	2	38.5	0.15	0.05	0.5775		
	Short Wall	2	22	0.15	0.05	0.33		
	Gutter				0.05	0		
	Long Wall	2	38.5	0.68	0.05	2.618		
	Short Wall	2	22	0.68	0.05	1.496		
	Platform				0.05	0		
	Long Wall	5	3.9	0.75	0.05	0.73125		
	Short Wall	10	1.5	0.75	0.05	0.5625		
	Slant wall	10	0.3	0.75	0.05	0.1125		
	TOTAL					12.70043	13	CU.M.

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6A	providing anti-termite treatment to							
	Bottom							
	Bottom							
	C1 Column	4	1.4	1.4		7.84		
	c2 Column	14	1.25	1.4		24.5		
	C3	8	1.25	1.4		14		
	Long Wall					0		
		4	3.519	0.9		12.6684		
		12	3.519	0.9		38.0052		
	Short side wall	4	3.28	0.9		11.808		
		6	3.08	0.9		16.632		
						125.4536	125	SQ.M.
6B								
	Backfilling trenches & plinth							
	C1 Column	4	1.4	1.4		7.84		
	c2 Column	14	1.25	1.4		24.5		
	C3	8	1.25	1.4		14		
	Long Wall					0		
		4	3.519	0.9		12.6684		
		12	3.519	0.9		38.0052		
	Short side wall	4	3.28	0.9		11.808		
		6	3.08	0.9		16.632		
	LESS					0		
	C1 Column	-4	0.5	0.5		-1		
	c2 Column	-14	0.35	0.5		-2.45		
	C3	-8	0.35	0.5		-1.4		
	Long Wall			0.35		0		
		-4	3.519	0.6		-8.4456		
		-14	3.519	0.6		-29.5596		
	C1 Column	4	1.4	1.4		7.84		
	c2 Column	14	1.25	1.4		24.5		
	C3	8	1.25	1.4		114.9384	115	SQ.M.
6C	Warehouse Plinth	1	37.8	21.3		805.14		
	Apron							
	Length	2	38.5	0.6		46.2		
	Width	2	22	0.6		26.4		
						877.74	878	SQ.M.
7	Providing PCC 1:5:10							
	C1 Column	4	1.4	1.4	0.15	1.176		
	c2 Column	14	1.25	1.4	0.15	3.675		
	C3	8	1.25	1.4	0.15	2.1		
	Long Wall				0.15	0		
		4	3.519	0.9	0.15	1.90026		
		12	3.519	0.9	0.15	5.70078		
	Short side wall	4	3.28	0.9	0.15	1.7712		
		6	3.08	0.9	0.15	2.4948		
	Plinth below Trimix Concrete	1	37.8	21.3	0.1	80.514		
	Below Plinth Beams							
	Long Wall							
		4	3.519	0.35	0.1	0.49266		
		12	3.519	0.35	0.1	1.47798		
	Short side wall	4	3.28	0.35	0.1	0.4592		
		6	3.08	0.35	0.1	0.6468		

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	Apron								
	Length	2	38.5	0.6	0.1	4.62			
	Width	2	22	0.6	0.1	2.64			
	Gutter					0			
	Long Wall	2	38.5	0.78	0.1	6.006			
	Short Wall	2	22	0.78	0.1	3.432			
	Platform					0.1			
	Long Wall	5	3.9	0.75	0.15	2.19375			
	Short Wall	10	1.5	0.75	0.15	1.6875			
	Slant wall	10	0.3	0.75	0.15	0.3375			
	TOTAL						123.3254	123	CU.M.
8	Providing RCC 1:1.5:3 for footing								
	C1 Column	4	1.1	1.1	0.4	1.936			
	c2 Column	14	0.95	1.1	0.4	5.852			
	C3	8	0.95	1.1	0.4	3.344			
							11.132	11	CU.M.
9	Providing RCC 1:1.5:3 for Column								
	Below plinth								
	C1 Column	4	0.35	0.35	1.85	0.9065			
		8	0.35	0.15	1.85	0.777			
	c2 Column	14	0.35	0.5	1.85	4.5325			
	C3	8	0.35	0.5	1.85	2.59			
	Above plinth								
	C1 Column	4	0.35	0.35	5.6	2.744			
		8	0.35	0.15	5.6	2.352			
	c2 Column	14	0.35	0.5	5.6	13.72			
	Gable wall	8	0.35	0.5	5.6	7.84			
	C3 Column	8	0.35	0.5	1	1.4			
		6	0.35	0.5	1	1.05			
	TOTAL						37.912	38	CU.M.
10	Providing RCC 1:1.5:3 for Beams								
	Below Plinth								
	Long Wall								
		4	3.869	0.35	0.25	1.35415			
		12	3.869	0.35	0.25	4.06245			
	Short side wall	4	3.43	0.35	0.25	1.2005			
		6	3.43	0.35	0.25	1.80075			
							8.41785	8.42	CU.M.
11	Providing RCC 1:1.5:3 for Beams								
	Above Plinth Level								
	At Lintel level								
	Long Wall	4	3.869	0.35	0.25	1.35415			
		12	3.869	0.35	0.25	4.06245			
	Short Wall	4	3.43	0.35	0.25	1.2005			
		6	3.43	0.35	0.25	1.80075			
	At Eaves Level								
	Long Wall	4	3.869	0.35	0.25	1.35415			
		12	3.869	0.35	0.25	4.06245			
	Short Wall	4	3.43	0.35	0.25	1.2005			
		6	3.43	0.35	0.25	1.80075			
	At Gables								
	Slant wall	4	11.62	0.35	0.25	4.067			

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	Middle	2	16.13	0.35	0.25	2.82275		
	TOTAL					23.72545	23.73	CU.M.
12	Providing UCR Masonry in Cement Mortar 1:6 in Substructure							
	Long Wall	4	3.519	0.6	0.9	7.60104		
		12	3.519	0.6	0.9	22.80312		
	Short Wall	10	3.08	0.6	0.9	16.632		
	Step2 Above G.L.							
	Long Wall	4	3.519	0.45	0.95	6.01749		
		12	3.519	0.45	0.95	18.05247		
	Short Wall	10	3.08	0.45	0.95	13.167		
	Platform Step-I							
	Long Wall	2	3.9	0.45	1.9	6.669		
	Short Wall	4	1.8	0.45	1.9	6.156		
	Ttotal					97.09812	97.1	CU.M.
13	Providing BBM in Cement Mortar 1:6 in Superstructure							
	Long Wall	4	3.519	0.35	5.6	27.58896		
		12	3.519	0.35	5.6	82.76688		
	Short Wall	10	3.08	0.35	5.6	60.368		
	Deductions							
	V1	-24	0.6	0.35	0.6	-3.024		
	V2	-52	0.6	0.35	0.6	-6.552		
	Rolling Shutters	-5	1.8	0.35	2.4	-7.56		
	Lintel Beam , Eaves level and gable	-23.73				-23.73		
	Gutter Bottom							
	Long Wall	2	39.2	0.76	0.23	13.70432		
	Short Wall	2	21.3	0.76	0.23	7.44648		
	Gutter sides					0		
	Long Wall	2	39.2	0.23	0.3	5.4096		
	Short Wall	2	21.3	0.23	0.4	3.9192		
	Platform							
	Long Wall	5	3.9	0.35	1	6.825		
	Short Wall	10	1.5	0.35	1	5.25		
	TOTAL					144.8235	144.82	CU.M.
14	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:4 to inside of walls							
	Long Walls	2	37.8		5.6	423.36		
	Short Walls	2	21.3		5.6	238.56		
	GABLE WALL							
		1	21.3	0.35	3.75	27.95625		
	Deductions							
	V1	-12	0.6		0.6	-4.32		
	V2	-26	0.6		0.6	-9.36		
	Rolling Shutters	-5	1.8		2.4	-21.6		
						654.5963	655	SQ.M.
15	Waterproof Cement Plaster 23 (15+8) mm thick in two coat in Cement Mortar 1:4 to external faces of walls							

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	Long Walls	2	38.5		6.8	523.6		
	Short Walls	2	22		6.8	299.2		
	Sides of Columns	56	0.15		6.8	57.12		
	GABLE WALL							
		1	22	0.35	3.75	28.875		
	Deductions							
	V1	-12	0.6		0.6	-4.32		
	V2	-26	0.6		0.6	-9.36		
	Rolling Shutters	-5	1.8		2.4	-21.6		
	Add for Sills & Jams of Rolling Shutters							
	Top sills	5	1.8	0.35		3.15		
	Jams	10	0.35		2.4	8.4		
						885.065	885	SQ.M.
16	Providing White lime wash in two coats to internal wall of Warehouse							
	Quantity same as that of internal cement plaster					655	655	SQ.M.
17	Providing Colour wash in two coats to External wall of Warehouse							
	Quantity same as that of external cement plaster					885	885	SQ.M.
18	Providing Steel Ventilators weighing 20Kg per Squaremeter and as per drawing and specifications							
	V1 Ventilators	24	0.6		0.6	8.64		
	V2 Ventilators	52	0.6		0.6	18.72		
						27.36	27.36	SQ.M.
19	Providing Rolling shutter as per drawing and specifications							
	Rolling Shutters							
	Long Side	4	1.8		2.4	17.28		
	Short Side	1	1.8		2.4	4.32		
						21.6	21.6	SQ.M.
20	Providing Synthetic Emulsion painting in three Coats to Steel Ventilators and Rolling Shutters.							
	V1 Ventilators	24	0.6		0.6	8.64		
	V2 Ventilators	52	0.6		0.6	18.72		
	Rolling Shutters	12.5	1.8		2.4	54		
	Stack lines	20	6		0.1	12		
		20	9		0.1	18		
		4	3		0.1	1.2		
		4	9		0.1	3.6		
						116.16	116.16	SQ.M.
21	H.M. filling with watering and compaction							
	Plinth of Warehouse	1	37.8	21.3		483.084		
	Apron					0		
	Long Wall	2	39.2	0.37	0.6	17.4048		

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	Short Wall	2	22	0.37		9.768		
	Platforms				0.6			
	Area*height	5	4.15	1.5	0.6	31.125		
						541.3818		
	Available from excavation				1	-107		
	H.m. to be brought from outside					434.3818	434	CU.M.
22	Providing PCC 1:2:4 on top of Aprron							
	Aprron							
	Long Wall	2	39.2	0.65		2.548		
	Short Wall	2	22	0.65		1.43		
					0.05	3.978	4	CU.M.
23	Providing Size metal layer on Aprron				0.05			
	Aprron							
	Long Wall	2	39.2	0.65		5.096		
	Short Wall	2	22	0.65		2.86		
					0.1	7.956	8	CU.M.
24	Providing soft murum blindage over aprron & Warehouse size metal layer				0.1			
	WH	1	37.8	21.3		20.1285		
	Aprron							
	Long Wall	2	39.2	0.65	0.025	1.274		
	Short Wall	2	22	0.65		0.715		
					0.025	22.1175	22	CU.M.
25	Providing compaction by plate vibrator over aprron size metal layer				0.025			
	Aprron							
	Long Wall	2	39.2	0.65		50.96		
	Short Wall	2	22	0.65		28.6		
						79.56	80	SQ.M.
26	Cement plaster 12 mm thick without cement slurry finish							
	Aprron Top							
	Long Wall	2	39.2	0.65		50.96		
	Short Wall	2	22	0.65		28.6		
	Gutter							
	Bottom							
	Long Wall	2	39.2	0.3		23.52		
	Short Wall	2	22	0.3		13.2		
	Sides							
	Long Wall	2	39.2			23.52		
	Short Wall	2	22			13.2		
	Long Wall	2	39.2		0.3	31.36		
	Short Wall	2	22		0.3	17.6		
	gutter top of wall				0.4			
	Long Wall	2	39.2	0.23	0.4	18.032		
	Short Wall	2	22	0.23		10.12		
	WH							
	Long Wall plinth to Aprron level	2	39.2			47.04		

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	Short Wall	2	22			26.4		
	Platforms				0.6			
	Long Wall	4	3.9		0.6	14.04		
	Short Wall	8	1.8			12.96		
					0.9	330.552	331	SQ.M.
27	Providing 1.50 mm thick cement slurry finish to green cement plaster at above complete as directed by Engineer-in-Charge.				0.9	331		
						331	331	SQ.M.
28	Providing Compacted 150 mm thick Size metal layer in the plinth of Warehouse building				Qty same as that of above item			
	WH	1	37.8	21.3		120.771		
						120.771	121	CU.M.
29	Providing RCC 1:1.50:3, 100 mm thick Concrete layer in the plinth floor of Warehouse building				0.15			
	WH	1	37.8	21.3		80.514		
	Platforms	5	4.5	1.8		5.0625		
					0.1	85.5765	86	CU.M.
30	Providing and fixing M.S. Sill Angle of size 50x50 6mm at Rolling Shutter Door including hold fast, line level complete as per specifications.				0.125			
	Rolling Shutters	5	2.4	4.5		54		
						0.054	0.054	M.T.
31	M.S. Bar Reinforcement				Kg/per M			
	Footing	11	CU.M	65		715		
	Column in Sub Structure	38	CU.M	100		3800		
	Beam in Sub Structure	8.42	CU.M	75	Kg/per CU.M.	631.5		
	Beam in Super Structure	23.73	CU.M	75	Kg/per CU.M.	1779.75		
	Chajjas in Superstructure Structure	9.12	CU.M	50	Kg/per CU.M.	456		
					Kg/per CU.M.	7382.25		
					Kg/per CU.M.	7.382	M.T.	

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	Providing Mild Steel IN TRUSSES, other similar trussed purlins, members with all bracings, gusset plates conforming to IS:226 and IS:2062, nuts and bolts with fabrication, erection, scaffolding, Cleaning, applying, Red Oxide primer one coat and oil painting in two coats, testing, with all leads and lifts complete as per specifications and as directed.							
32	Area of Warehouse	1	38.5	22	Total	21175		
	Platforms	5	4.769	1.8		515.052		
					25	21690.05		
					12	21.69	21.69	M.T.
33	o.9 m high and three rows S.S Railing							
		0	1.7			0	0	RM.
34	Providing, ISMC 150X65 MM, fabricating, fixing in position with holdfast, one coat of red oxide primer and two coats of oil paint, etc complete as per specification complete as directed.							
	Platforms							
	Long Side	5	3.9			19.5		
	Short Sides	10	1.8			18		
						37.5		
						16.8		
						630		
					WT in Kg/ M	0.63	0.63	M.T.
35	Providing Teak Wood Frame of 125x65 mm size including planning, fixing holdfast, one coat of primer and two coats of oil paint, complete as per specification and as directed.				TOTAL WT			
	Door 1x2.1 m							
	Vertical	2	0.1	0.06		0.0261		
	Horizontal	1	1.575	0.1		0.00945		
					2.175	0.03555	0.036	CU.M.

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36	Providing 32 mm solid core flush door shutter, with necessary iron oxidised fixtures and fasteners, one coat of primer and two coats of oil paint, complete as directed					0.06		
	Shutter	1	1.008			2.05128		
						2.05128	2.051	SQ.M.
37	Providing and fixing in position two track powder coated Aluminium Windows with stainless steel wire net complete as per specification and as directed.					2.035		
		1	1.2			1.8		
						1.8	1.8	SQ.M.
38	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and pardiies ,including formwork, vibration, curing ,testing complete as per specifications and as directed.					1.5		
	Cantilever pardi							
	Long sides bottom tier	76	0.6	0.8		3.648		
	Vertical Fins							
	Long sides bottom tier	152	0.6	0.6	0.1	5.472		
						9.12	9.12	CU.M.
39	Providing , fabricating, fixing in position M.S. ladder as per drawing and design, one coat of red oxide primer and two coats of oil paint complete as per specifications and as directed by the Engineer-in-Charge.					0.1		
	M.S ANGLES 50*50*6 mm	2	7.8	7.7		120.12		
	20 MM RUNGS @30 CMCM C/C	34	0.4	2.46		33.456		
	Base plate , Holdfast etc					10		
40						0.163576	0.15	M.T.
41	Providing and fixing in position 11.35 M height lightening arrester as per drawing , design, specification complete as directed by Engineer-in-Charge.							
				1			1	1 NO.

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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 with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester 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 subtle square fluting in the five pan at nominal 180-250 mm center- 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 at 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/ One Square Metre) 600 mm girth (Surface Width).

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	2	13.24	38.5		1019.48	1019.48	SQ.M.

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Chartered Engineer (I)
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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILARY WORKS, AT GAT NO.161, KANEGAON, TAL-LOHARA, DIST. C

NAME OF COMPANY:-- NNG AGRO-PRODUCER CO.LTD., KANEGAON.

ABSTRACT OF MEASUREMENTS FOR PROPOSED ROADS AROUND WAREHOUSE BUILDING, 1560.M.T. CAPACITY.

SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to required grade, camber, and side slopes and conveying the excavated material with all lifts upto lead of 50 m and spreading for embankment or stacking as directed	CU.M.	105.9225	119	12604.7775	SSR 2.21/P/26
2	Excavation for roadway in hard murum including dressing section to required grade, camber, and side slopes and conveying the excavated material with all lifts upto lead of 50 m and spreading for embankment or stacking as directed	CU.M.	105.9225	139	14723.2275	SSR 2.13/P/26
3	Supplying Oversize metal	CU.M.	117.4	988.91	116098.034	R.A attached
4	Supplying Size metal	CU.M.	84.738	998.14	84580.3873	R.A attached
5	Supplying Soft murum as blindage	CU.M.	0	585	0	SSR2.29 B/P/28
6	Spreading Oversize metal	CU.M.	117.4	79	9274.6	SSR2.3 RD SUB- GRADE/P/28
7	Spreading Size metal	CU.M.	84.738	79	6694.302	SSR2.3 RD SUB- GRADE/P/28
8	Watering and Compaction by 10 T roller, metal layers, blindage complete as per specifications and as directed.	SQ.M.	3480	21	73080	SSR/2.31/P/28
9	Providing and fixing 300 X450 X200 MM Precast RCC Kerb sone, complete as per specifications and as directed.	RM	160	600	96000	MR
10	Providing 50 mm thick semigrout bituminous treatment including supplying all materials, preparing existing road surface, applying tack coat @ 0.735 kg/sq.m. and laying the required thickness of metal layer, heating and spreading the bitumen of specific grade at the rate of 2.75 kg/sq.m. spreading chips, laying seal coat of specified bitumen grade at the rate of 1.25 kg/sq.m. and compacting making the surface good etc; complete (VG 30 bulk bitumen rates are considered to arrive at the rate)	SQ.M.	0	447	0	RD-45/3/1
				TOTAL	413055.328	
					413055	

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Chartered Engineer (I)
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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT NO:161, KANEGACH, TAL-LOHARA, DIST. OSMANABAD.

NAME OF COMPANY:- NING AGRO PRODUCER CO.LTD., KANEGAON.

ABSTRACT OF MEASUREMENTS FOR INTERNAL SERVICE ROADS AROUND PROPOSED WAREHOUSE BUILDING, 1560 M.T. CAPACITY.

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT	
	Length of Road around Warehouse	101							
	Width of Road around Warehouse	44							
	TOTAL LENGTH	145	M						
1	Excavation in soil plus soft murum	1	145	4.87	0.15	105.9225	105.9225	CU.M.	
2	Hard murum embankment with watering and compaction	1	145	4.87	0.15	105.9225	105.9225	CU.M.	
		1	145	4.87		706.15	706	SQ.M.	
3	Supplying Oversize metal Compacted Qty	1	145	4.87	0.125	88.26875			
	Multiplying Factor					1.33			
	TOTAL QTY.					117.3974	117.4	CU.M.	
4	Supplying Size metal Compacted Qty	1	145	4.87	0.08	56.492	CU.M.		
	Multiplying Factor					1.5			
	TOTAL QTY.					84.738	84.738	CU.M.	
5	Supplying Soft murum as blindage								
	over size metal Layer	706.15	0.025			17.65375			
	Size metal layer	706.15	0.025			17.65375			
						35.3075	35.3075	CU.M.	
	Available from Excavation Qty to be brought from outside					105.9225	-70.615	CU.M.	
							0	CU.M.	
6	Spreading Oversize metal					117.3974	117.3974	CU.M.	
7	Spreading Size metal					84.738	84.738	CU.M.	
8	Watering and Copaction by 10 T Roller, metal layers, blindage complete as per specifainsand as directed.								
	Oversize metal layer	1							
	Blindage over Oversize metal	1							
	Size metal layer	1							
	Blindage over Size metal	1							
		4	145	6		3480	3480	SQ.M.	
9	Providing and fixing 200x200x450 precast guard stone, complete as per specifications and as directed.								
	2 M Center to center	2	145			145	145		
					sqy	160	160	NO	

Pathak

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Chartered Engineer (I)
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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT NO.161, KANEGAON, TAL-LOHARA, DIST. OSMANABAD.

NAME OF COMPANY:- NNG AGRO PRODUCER CO.LTD., KANEGAON.

ABSTRACT OF MEASUREMENTS FOR INTERNAL SERVICE ROADS AROUND PROPOSED WAREHOUSE BUILDING, 1560 M.T. CAPACITY.

SR. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK, Std Specification Ref
1	Excavation in soft porous soil mudum with all leads and lifts, with backfilling the trenches and dewatering complete. (Manually)	CU.M.	61	232	14152	BDA-1/Page No. 259
2	Excavation in Hard mudum with all leads, lifts including backfilling the trenches and dewatering complete.	CU.M.	122	354	43188	BDA-1/Page No. 259
3	Excavation in Hard mudum and Boulders with all leads and lifts including backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	10	235	2350	BDA-1/Page No. 259
4	Excavation in Soft Rock with all leads and lifts, backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	5	291	1455	BDA-1/Page No. 259
5	Excavation in Hard Rock with pneumatic breaker, all leads and lifts, backfilling the trenches and dewatering complete. (Mechanical means)	CU.M.	2	1051	2102	BDA-1/Page No. 259
6	Providing, laying, PCC 1:3:6 including formwork, compaction, curing with all leads and lifts complete as per specifications.	CU.M.	61	5997.64	365856.04	BDE-1/P/287
7	Providing UCR Stone in Cement Mortar 1:6 in Substructure with scaffolding, curing, testing all leads and lift complete as per specifications.	CU.M.	181.24	5270.37	955201.859	
8	PCC M-15 Coping	CU.M.	30.52	6359	194076.68	SSR 24.16/BDE-3/P/218
9	Providing RCC 1:1.5:3 for Footing in Substructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts, complete as per specifications.	CU.M.	1	7266.37	7266.37	
10	Providing RCC 1:1.5:3 for Column in Superstructure and Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts, complete as per specifications.	CU.M.	1.49	13945.37	20778.6013	
11	Providing RCC 1:1.5:3 for Beam in Substructure and Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts, complete as per specifications.	CU.M.	0.81	12431.37	10069.4097	BDF-5/P/300 & B-7/P/38
12	Providing and fixing 50 mm. dia. medium class G.I. pipe gate with wicket gate of approved drawing with all fixtures and fittings in two leaves with strong hold fast embedded in c.c. block at top and bottom with locking arrangement including cutting, bending, making holes and with one coat of primer etc. complete.	SQ.M.	10.8	7259.62	78403.896	BDG-1/P/313

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13	M.S. TMT Fe-500 Grade Bar Reinforcement conforming to IS:226 and IS:2062, including cutting, bending, binding with M.S. G.I. wires, placing in position, testing complete as per specifications and as directed.	M.T.	0.33	89774.44	29625.5652	BDF-17/P/306
14	Providing and crossing chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.	R.M.	672.32	2539	1707020.48	SSR 46.39/Bulding Maintenance
				Total	3431545.9	
				TOTAL	3431546	

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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT I/D:161, KANEGAON, TAL-LOHARA, DIST.

NAME OF COMPANY:-- NNG AGRO-PRODUCER CO.LTD., KANEGAON.

MEASUREMENTS OF COMPOUND-WALL.

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT	REMARK
	COMPOUND-WALL								
	LENGTH	195.29							
	BREADTH	468.93							
1	Excavation in soil and soft murum etc								
	Long Wall	1	195.29	0.6	0.15	17.5761			
	Short wall	1	468.93	0.6	0.15	42.2037			
	Gate					0			
	Columns	2	1.6	1.6	0.15	0.768			
	Wall	1	6	0.75	0.15	0.675			
						61.2228	61	CU.M	
2	Excavation in Hard murum --								
	Long Wall	1	195.29	0.6	0.3	35.1522			
	Short wall	1	468.93	0.6	0.3	84.4074			
	Gate					0			
	Columns	2	1.6	1.6	0.3	1.536			
	Wall	1	6	0.75	0.3	1.35			
						122.4456	122	CU.M	
3	Excavation in H.M. plus boulders								
	Provisional Qty					10	10	CU.M	
4	Excavation in Soft Rock								
	Provisional Qty					5	5	CU.M	
5	Excavation in Hard Rock								
	Provisional Qty					2	2	CU.M	
6	Providing C.C (1:3:6) for bed concrete----								
	Long Wall	1	195.29	0.6	0.15	17.5761			
	Short wall	1	468.93	0.6	0.15	42.2037			
	Gate				0.1	0			
	Columns	2	1.6	1.6	0.15	0.768			
	Wall	1	6	0.75	0.15	0.675			
						61.2228	61	CU.M	
7	Providing UCR Stone in Cement Mortar 1:6 in Substructure with scaffolding, curing, testing all teads and lift complete as per specifications.								
	Long Wall	1	195.29	0.45	0.3	26.36415			
	Short wall	1	468.93	0.45	0.3	63.30555			
	Right and Left of Gate	1	8.1	0.45	0.3	1.0935			
	Wall	1	6	0.45	0.3	0.81			
	Above Ground Level								
	Long Wall	1	195.29	0.45	0.3	26.36415			
	Short wall	1	468.93	0.45	0.3	63.30555			
						181.2429	181.24	CU.M.	
8	PCC M-15 Coping								
	Long Wall	1	195.29	0.45	0.1	8.78805			
	Short wall	1	468.93	0.45	0.1	21.10185			
	Right and Left of Gate	1	8.1	0.45	0.1	0.3645			
	Wall	1	6	0.45	0.1	0.27			
						30.5244	30.52	CU.M.	
9	RCC Footing (1:1.5:3)								
	Column footings	2	1.3	1.3	0.3	1.014			
						1.014	1	CU.M	
10	RCC Column (1:1.5:3)								
		2	0.45	0.6	2.65	1.431			

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	Conical portion	2	0.45	0.6	0.108333	0.0585			
						1.4695	1.49	CU.M	
11	RCC BEAM (1:1.5:3)	1	6	0.45	0.3	0.81	0.81	CU.M	
12	M.S Gate 35Kg/SQ.M.	1	6		1.8	10.8	10.8	SQ.M.	
						10.8	10.8	SQ.M.	
13	TMT bar reinforcement fe-500 G								
	RCC Footing	1							
	RCC Column	1.49							
	RCC Beam	0.81							
		3.3	100			330			
						0.33	0.33	M.T.	
14	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.								
	Long Wall	1	195.29			195.29			
	Short Wall	1	468.93			468.93			
		1	8.1			8.1			
						672.32	672.32	R.M.	

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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. WITH ANCILLARY WORKS, AT GAT NO.161, KANEGAON, TAL-LCHARA, DIST. OSMANABAD.

NAME OF COMPANY:- NNG AGRO PRODUCER CO.LTD., KANEGAON.

ROYALTY CHARGES RECOVERY STATEMENT

SR. NO.	PARTICULARS OF ITEM	EXECUTED	UNIT	MATERIAL QTY FOR ROYALTY	TOAL CEMENT IN BAGS	SAND	TOTAL SAND QTY. IN CU.M	MURUM/ CU.M	TOTAL QTY OF MURUM IN CU.M.	Metal/ CU.M.	TOTAL QTY OF METAL IN CU.M.	QTY OF RUBBLE PER CU.M	TOTAL RUBBLE QTY	TOTAL ROYALTY CHARGES
WH				CEMENT/ CU.M										
1	UCR M FOR SUB STRUCTURE	97.1	CU.M	1.7	165.07	0.35	33.99					1.25	121	
2	BBM IN CM1:6 SUPERSTRUCTURE	144.82	CU.M	1.58	228.82	0.32	46.34							
3	Sanitaced cement plaster in two coats (approved screened sand)	885	SQ.M.	0.17	150.45	0.025	22.13							
4	Internal cement plaster 12 mm thk. Single coat in C.M.(1:4)	655	SQ.M.	0.17	111.35	0.025	16.38							
5	Hard Murum	434	CU.M.					1.2	520.8					
6	Stone Metal Layer	121	CU.M.							1.32	159.72			
7	TRIMIX CONCRETE M-20	86	CU.M.	7	602	0.43	36.98							
8	RCC Footing (1:1.5:3)	11	CU.M.	7	77	0.43	4.73							
9	RCC Column (1:1.5:3)	38	CU.M.	7	266	0.43	16.34							
9	RCC Beam (1:1.5:3)	32.15	CU.M.	7	225.05	0.43	13.82							
10	RCC Chajjas (1:1.5:3)	9.12	CU.M.	7	63.84	0.43	3.92							
	TOTAL OF RCC (1:1.5:3)	176.27	CU.M.											
11	PCC (1:3:6)/M-10	123	CU.M.	4.4	541.2	0.44	54.12							
	COMPOUND WALL													
1	PCC M-10 / CC (1:3:6)	61	CU.M.	3.4	207.4	0.44	26.84							
2	UCR Masonry in C.M.(1:6)	181.24		1.7	308.11	0.37	67.06					1.25	226.55	
3	RCC 1:1.5:3 for footing , column, beam coping	3.3	CU.M.	7	23.1	0.43	1.42							
4	PCC M-15/ (1:2:4)	30.52	CU.M.	6	183.12	0.44	13.43							
	INTERNAL SERVICE ROADS													
1	Oversize metal	117.4								1.33	156			
2	Size metal	84.738								1.33	113			
3	Soft Murum	0						1.25	0					
	TOTAL			TOTAL NO.OF	2987.44		323.51		520.8		428.72		226.55	
	ROYALTY CHARGES			TOTAL IN M.T.	149		212.01		212.01		212.01		212.01	
							68587.36		110414.8		90892.93		48030.87	317926

[Signature]
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PROPOSED CONSTRUCTION OF WAREHOUSE BUILDING, 1560 M.T. V. WITH ANCILLARY WORKS, AT GAT NO.161, KANEGAON, TAL-LOHARA, DIST. OSMANABAD.
 NAME OF COMPANY:- NNG AGRO PRODUCER CO.LTD., KANEGAON.
 ABSTRACT OF MEASUREMENTS FOR PROPOSED WAREHOUSE BUILDING, 1560 M.T. CAPACITY.

SR.NO.	PARTICULARS OF SUBWORK	CAPACITY IN SQ.M	UNIT	AMOUNT IN RS.	COST IN RS. PER SQ.M
	Proposed Construction				
1	Warehouse Building	1560 M.T.		9583866	
2	Internal Service Roads			413055	
3	Compound Wall			3431546	
4	Electrification @1.5% of WH Cost			143758	
5	Royalty Charges			317926	
6	Testing Charges			46640	
	TOTAL		RS	13936791	
7	ADD 18% GST			2508622	
	ADD 1% LABOUR				
8	INSURANCE			139368	
	TOTAL		RS.	16584781	10631
	SAY				
9	GRAND TOTAL		RS/SQ.M.		

II	CLEANING AND GRADING				
	UNIT				
	PROPOSED CONSTRUCTION OF CLEANING AND GRADING UNIT AT GAT NO.161, KANEGAON, TAL-LOHARA, DIST. OSMANABAD.				
	NAME OF COMPANY:- NNG AGRO PRODUCER CO.LTD., KANEGAON.				
	ABSTRACT OF MEASUREMENTS FOR PROPOSED CLEANING AND GRADING UNIT.				

SR.NO.	PARTICULARS OF SUBWORK	CAPACITY IN SQ.M	UNIT	AMOUNT IN RS.	COST IN RS. PER SQ.M
	Proposed Construction of				
	Cleaning and Grading Unit				
1	Building	122 SQ.M.		3294557	
2	Internal Service Roads			0	
3	Compound Wall			0	
4	Electrification @1.5% of WH Cost			49418	
5	Royalty Charges			71880	
6	Testing Charges			23555	
	TOTAL		RS	3439410	
7	ADD 18% GST			619094	
	ADD 1% LABOUR				
8	INSURANCE			34394	
	TOTAL		RS/SQ.M.	4092898	33548
9	GRAND TOTAL	1006.5	RS/CU.M.		4066

[Signature]

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CERTIFICATE

Name of client :- M/s NNG AGRO PRODUCER CO. LTD
Kanegaon, Tal. Lohara, Dist Osmanabad

This is to certify that the below mentioned Plan and Estimates of proposed construction have been prepared and Technically sanctioned by me, based on guide lines of SMART Projects Government of M.S. & the requirements of M/s NNG Agro Producer Co. Ltd Kanegaon, Tal. Lohara, Dist. Osmanabad.

The estimate has been based on State Schedule Rates SSR 2022-23 Government of M.S. PWD, and Specifications prescribed in Pink Hand Book, Govt. of M. and MORTH specifications of National Highways, central Govt. of India.

Technically Sanctioned

Sr.No.	Name of Work	Estimated Amount - SSR 2022-23
1.	Proposed construction of 1580 M.T. Warehouse building with ancillary works @ Gat No. 161 Kanegaon Tal. Lohara, Dist Osmanabad	Rs 165,84,781/- Rs one hundred sixty five Lakh Eighty four Thousand Seven Hundred Eighty one only.
2.	Proposed construction of cleaning and Graveling Unit Building at Gat No. 161 Kanegaon, Tal, Lohara, Dist Osmanabad	Rs 40,92,898/- Rs forty Lakh Ninete Two Thousand Eight Hundred Ninety Eight only.

Pune :- 411051

Date :- 8-8-2022.

SUBHASH D. PATHAK
8/8/2022
SUBHASH D. PATHAK
Chartered Engineer (I)
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