Verified RealEstate™

REFERENCE
115/24-25

ISSUED
02 January 2025

PP APPROVAL RECORD

Planning Permission

Tirunelveli district, Tamil Nadu

APPROVAL TYPE
Building Plan

ISSUING AUTHORITY
Rural Panchayat

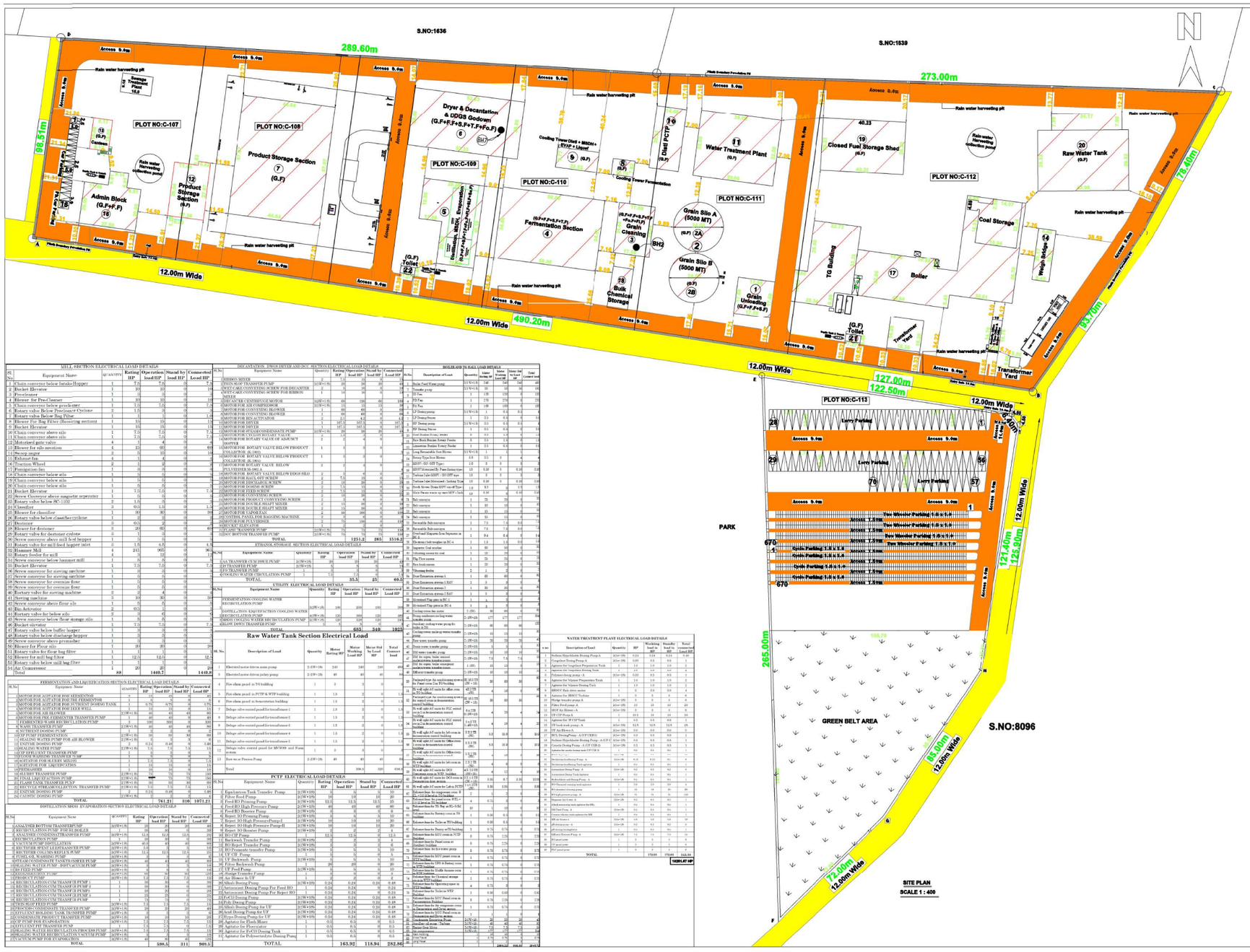
The approval as the planning authority issued it, reproduced in full behind this page.

An approval speaks to what was sanctioned, not to what was built. Completion is a separate record.

Verified RealEstate™
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai 600 097, India

hello@verified.realestate
+91 9996 12 9996
verified.realestate

DIGITALLY VERIFIED RECORD



S.No	Block Name	F SI Area (Sq.m)	Non F SI Area (Sq.m)	Total Built up Area (Sq.m)
	Proposed Industrial Building area details: (Red Category)			
1.00	Block – 1 Grain Unloading			
	Ground Floor	294.28	-	294.28
	First Floor	294.28	-	294.28
	Second Floor	117.44	-	117.44
	Head Room	-	15.30	15.30
2.00	Block – 2 Grain Silo A & B (5000 MT)			
	Ground Floor	935.40	-	935.40
3.00	Block – 3 Grain Cleaning			
	Ground Floor	349.98	-	349.98
	First Floor	349.98	-	349.98
	Second Floor	349.98	-	349.98
	Third Floor	349.98	-	349.98
	Fourth Floor	293.00	-	293.00
	Fifth Floor	293.00	-	293.00
	Head Room	-	26.68	26.68
4.00	Block – 4 Fermentation Section			
	Ground Floor	1725.01	-	1725.01
	First Floor	1725.01	-	1725.01
	Second Floor	1725.01	-	1725.01
	Third Floor	1725.01	-	1725.01
	Head Room	-	26.68	26.68
5.00	Block – 5 Distillation, MSDH, Evaporation			
	Ground Floor	948.04	-	948.04
	First Floor	442.20	-	442.20
	Second Floor	442.20	-	442.20
	Third Floor	297.00	-	297.00
	Fourth Floor	241.80	-	241.80
	Fifth Floor	75.67	-	75.67
	Sixth Floor	75.67	-	75.67
	Seventh Floor	44.65	-	44.65
	Head Room	-	26.68	26.68
6.00	Block – 6 Dyer & Decantation Section & DDGS Godown			
	Ground Floor	1490.47	-	1490.47
	First Floor	689.71	-	689.71
	Second Floor	689.71	-	689.71
	Third Floor	605.79	-	605.79
	Fourth Floor	282.58	-	282.58
	Head Room	-	26.68	26.68
7.00	Block – 7 Product Storage Section			
	Ground Floor	2582.84	-	2582.84
8.00	Block – 8 Cooling Tower Fermentation			
	Ground Floor	84.07	-	84.07
9.00	Block – 9 Cooling Tower Dis+MSDH +EVAP+Liquef			
	Ground Floor	209.53	-	209.53
10.00	Block – 10 Disk PCTP			
	Ground Floor	436.45	-	436.45
11.00	Block – 11 Water Treatment Plant			
	Ground Floor	1246.00	-	1246.00
12.00	Block – 12 Product Storage Section			
	Ground Floor	470.77	-	470.77
13.00	Block – 13 Canteen			
	Ground Floor	137.55	--	137.55
14.00	Block – 14 Weigh Bridge			
	Ground Floor	212.00	-	212.00
15.00	Block – 15 Security Office & Time Office & Excise Office			
	Ground Floor	72.65	-	72.65
16.00	Block – 16 Admin Block			
	Ground Floor	613.10	-	613.10
	First Floor	359.20	-	359.20
	Head Room	-	36.68	36.68
17.00	Block – 17 TG Building & Boiler & Coal Storage			
	Ground Floor	3376.35	-	3376.35
18.00	Block – 18 Bulk Chemical Storage			
	Ground Floor	209.00	-	209.00
19.00	Block – 19 Closed Fuel Storage			
	Ground Floor	1015.00	-	1015.00
20.00	Block – 20 Raw Water Tank			
	Ground Floor	1582.62	-	1582.62
21.00	Block -21 Toilet			
	Ground Floor	25.18	-	25.18
22.00	Block -22 Toilet			
	Ground Floor	25.18	-	25.18
		29465.34	158.82	29624.16

PLAN SHOWING THE AMALGAMATION OF PLOTS & PROPOSED CONSTRUCTION OF & INSTALLATION OF 10251.67 HP ELECTRIC 1500 KVA GENERATOR, IN "NANDA DEVI BIOENERGY LLP BUILDING " FOR PLOT NO:C-107, C-108, C-109, C-110, C-111, C-112 & C-113, TECHNICAL SANCTION.REG L.P./TVL/D.T.C.P.NO: S.W.P./45 /2023 IN THIS MAP REVISES LP/DTCP NO: 54/2013 (WHICH REVISED LP/DTCP NO: 47/2010), GANGAIKONDAN SIP- COT INDUSTRIAL GROWTH CENTER, SURVEY NO:1641 (PART), GANGAIKONDAN PANCHAYAT,GANGAIKONDAN VILLAGE, MANUR PANCHAYAT UNION, TIRUNELVELI TALUK, TIRUNELVELI DISTRICT.

Scale 1:500 All Dimensions are in Metre

PARKING CALCULATIONS RED CATEGORY Panchayat Area:

Industrial Building:

Required Parking :

Every 500 Sq.m = 1 Lorry Space (3.60x10.00m)
Every 50 Sq.m = 1 Two Wheeler & 1 Cycle Space (1.0x1.8m)
Every 50 Sq.m = 1 Two Wheeler & 1 Cycle Space (1.0x1.8m)
Total Building FSI Area = 28502.04 Sq.m
Required Lorry Parking = 28502.04 Sq.m / 500 Sq.m = 57 Nos
Required Two wheeler Parking = 28502.04 Sq.m / 50 Sq.m = 571 Nos
Required Cycle Parking = 28502.04 Sq.m / 50 Sq.m = 571 Nos
Every 50 Sq.m (Office Area) = 1 Car Space
Required Car Parking = 983.30 Sq.m / 50 Sq.m x.75 = 15 Nos
Required Car Parking = 29485.34 Sq.m / 50 Sq.m = 590 Nos

Available Parking :

	Required	Available
Lorry Parking	57 Nos	70 Nos
Two wheeler	571 Nos	570 Nos
Cycle Parking	571 Nos	570 Nos
Car Parking	15 Nos	16 Nos (including 2 Nos Ph.Challenged)

Floor Space Index

G.F+F.F+S.F+T.F+Fo.F+FI.F+SLF+Se.F
= Site Area
= 18005.47+3861.38+3324.34+2977.78+817.38+368.67+76.67+44.65 / 88114.83
= 29465.34 / 88114.83 = 0.334 < 2.00

Plot Coverage

= G.F / Site Area
= 18005.47 / 88114.83 = 0.204 < 2.00

Note:

Waste Water Used for Garden
Rain Water harvesting Details Provided
Solar System Water tank provided
Fire Resistance to be provided
Emergency alarm to be provided
Drinking water to be provided as per corporation norms
Rain water harvesting tank to be provided
Waste water from recycled water tank & Trench connected to sullage disposal tank
Solid waste tub to be Provided
Rain water harvesting pit to be Provided
V traps provided in septictank to prevent cockroaching of mosquitoes
(As per G.O (M.S) No : 341 - dated 03.11.2004)

LEGENDS:-

SITE BOUNDARY (ABCDEFGHIJ)
PRO.BUILDING
EXG.ROAD

SITE AREA DETAILS:-

Plot No: C-107, C-108, C-109 & C-110, C-111, C-112	=	63836.96 Sq.Mt
Plot No:C-113	=	24288.00 Sq.Mt
Deduction Splay Area (4.50 X 4.50)/2	=	10.13 Sq.Mt
Total Pro.SiteArea	=	24277.87 Sq.Mt

Total Pro.Site Area = 63836.96 + 24277.87 = 88114.83 Sq.Mt
Super Imposed Area = 89012.03 Sq.mt.
The Least Value As Per Pro.Site Area

SWP/BPA/0106790/2024
B.P/DTCP No: 131/2024
P.P/ B.P/ TLPA NO: SWP/23/2024

Office Use

Dr.R.SANTHANAKUMAR, B.E, M.Sc, M.Sc, Ph.D.,
Registered Construction Engineer (RCE)
Registration No. RCE/TVL/D.C/2020
The New Associates
4/53-A, ARS Street, Mathan-627 803,
Cell: 7010744006.

Construction Engineer

G.A.R.GANESHAMURTHY, B.E.,M.Sc.,
UPLP-RS & ESP - LICENCE NO:
SINGAPPA MUNICIPALITY - RS - LIC - 1
SURYA CONSTRUCTIONS & LAND SURVEYING
167A, Mountain Complex Bus Stand 1st floor,
Sangarankoil - 627 809.
CELL NO: 9443619203 Cell: 7200518344

Structural Engineer

For NANDA DEVI BIO ENERGY LLP
Partner

Applicant

P. BALAVENKATESH, B.Arch.
REGISTERED ARCHITECT GRADE I
Regn. No. BA-Gr-I/TVL/March/2019-018
1-b, Periyar Nagar, Salai,
North Highground Road, Palayamkottai,
Tirunelveli - 627 002.

Registered Engineer/ Architect

Sheet No-21	
04	2024
02/01	2024

MILL SECTION ELECTRICAL LOAD DETAILS

Sl. No	Equipment Name	Quantity	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
1	Chain conveyor below Intake Hopper	1	7.5	7.5	0	7.5
2	Bucket Elevator	1	20	20	0	20
3	Precleaner	1	5	5	0	5
4	Blower for Pre-Cleaner	1	10	10	0	10
5	Chain conveyor below precleaner	1	7.5	7.5	0	7.5
6	Rotary valve Below Precleaner Cyclone	2	1.5	3	0	3
7	Rotary valve Below Bag Filter	1	1	1	0	1
8	Blower for Bag Filter (Reseeding section)	1	15	15	0	15
9	Bucket Elevator	1	15	15	0	15
10	Chain conveyor above silo	1	7.5	7.5	0	7.5
11	Chain conveyor above silo	1	7.5	7.5	0	7.5
12	Motorised gate valve	4	1	4	0	4
13	Blower for silo aeration	4	15	60	0	60
14	Sweep auger	2	5	10	0	10
15	Exhaust fan	4	1	4	0	4
16	Traction Wheel	2	1	2	0	2
17	Fumigation fan	1	5	5	0	5
18	Chain conveyor below silo	1	5	5	0	5
19	Chain conveyor below silo	1	5	5	0	5
20	Chain conveyor below silo	1	5	5	0	5
21	Bucket Elevator	1	7.5	7.5	0	7.5
22	Screw Conveyor above magnetic separator	1	5	5	0	5
23	Rotary valve below RC-1100	2	1.5	3	0	3
24	Classifier	3	0.5	1.5	0	1.5
25	Blower for classifier	1	30	30	0	30
26	Rotary valve for classifier/cyclone	1	2	2	0	2
27	Destoner	3	0.5	2	0	2
28	Blower for destoner	1	20	20	0	20
29	Rotary valve for destoner cyclone	3	1	3	0	3
30	Screw conveyor below grit bin hopper	1	5	5	0	5
31	Rotary valve for mill feed hopper inlet	3	1.5	4.5	0	4.5
32	Hammer Mill	4	240	960	0	960
33	Rotary feeder for mill	1	5	5	0	5
34	Screw conveyor below hammer mill	1	5	5	0	5
35	Bucket Elevator	1	7.5	7.5	0	7.5
36	Screw conveyor for sieving machine	1	5	5	0	5
37	Screw conveyor for sieving machine	1	5	5	0	5
38	Screw conveyor for oversize flour	1	5	5	0	5
39	Screw conveyor for oversize flour	1	5	5	0	5
40	Rotary valve for sieving machine	2	2	4	0	4
41	Sieving machine	3	30	90	0	90
42	Screw conveyor above flour silo	1	5	5	0	5
43	Bin Activator	2	0.5	1	0	1
44	Rotary valve for below silo	2	2	4	0	4
45	Screw conveyor below flour storage silo	1	5	5	0	5
46	Bucket elevator	1	7.5	7.5	0	7.5
47	Rotary valve for buffer hopper	2	1	2	0	2
48	Rotary valve below discharge hopper	1	5	5	0	5
49	Screw conveyor above premixer	1	5	5	0	5
50	Blower for Flour silo	1	20	20	0	20
51	Rotary valve for flour bag filter	1	1	1	0	1
52	Blower for mill bag filter	1	12.5	12.5	0	12.5
53	Rotary valve below mill bag filter	1	1	1	0	1
54	Air Compressor	1	20	20	0	20
Total		88		1440.7		1440.7

FERMENTATION AND LIQUEFICATION SECTION ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	QUANTITY	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
	MOTOR FOR AGITATOR FOR FERMENTOR	8	5	40	0	40
	MOTOR FOR AGITATOR FOR THE FERMENTOR	1	5	5	0	5
	MOTOR FOR AGITATOR FOR NUTRIENT DOSING TANK	1	0.75	0.75	0	0.75
	MOTOR FOR AGITATOR FOR THE WELL	1	15	15	0	15
	MOTOR FOR AIR BLOWER	2(3W+1S)	40	40	40	80
	MOTOR FOR PRE FERMENTER TRANSFER PUMP	1	40	40	0	40
	PERISTALTIC SLAMS RECIRCULATION PUMP	1	100	100	0	100
	MOTOR FOR DOSING PUMP	2(3W+1S)	0.5	1	0	1
	NUTRIENT DOSING PUMP	1	2	2	0	2
	UP PUMP FERMENTATION	2(3W+1S)	50	50	50	100
	HEALING WATER PUMP FOR AIR BLOWER	2(3W+1S)	0	0	0	0
	ENZYME DOSING PUMP	2	0.34	0.68	0	0.68
	HEALING WATER PUMP	2(3W+1S)	7.5	7.5	7.5	15
	UP EFFLUENT TRANSFER PUMP	1	0	0	0	0
	MOTOR FOR DISTILLERY MIXING	1	7.5	7.5	0	7.5
	AGITATOR FOR DISTILLERY MIXING	1	7.5	7.5	0	7.5
	AGITATOR FOR LIQUEFICATION	1	15	15	0	15
	OPTIMIZER	4	1	4	0	4
	HLHURRY TRANSFER PUMP	2(3W+1S)	7.5	7.5	7.5	15
	FINAL LIQUEFACTION PUMP	2(3W+1S)	7.5	7.5	7.5	15
	FLASH TANK TRANSFER PUMP	2(3W+1S)	50	50	50	100
	MOTOR FOR FERMENTATION SECTION TRANSFER PUMP	2(3W+1S)	0	0	0	0
	ENZYME DOSING PUMP	2(3W+1S)	0.34	0.68	0	0.68
	CAUSTIC DOSING PUMP	2(3W+1S)	2	2	2	4
	TOTAL			761.21	310	1071.21

DISTILLATION MSDH EVAPORATION SECTION ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	QUANTITY	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
	ANALYSER BOTTOM TRANSFER PUMP	2(3W+1S)	20	20	20	40
	RECTIFICATION CUM TRANSFER PUMP FOR BOILER	1	20	20	0	20
	ANALYSER CONDENSATE TRANSFER PUMP	2(3W+1S)	12.5	12.5	12.5	25
	RECTIFICATION PUMP	1	0	0	0	0
	VACUUM PUMP DISTILLATION	2(3W+1S)	40.0	40	40	80
	RECTIFICATION CUM TRANSFER PUMP	2(3W+1S)	0	0	0	0
	RECTIFIER COLUMN REFLUX PUMP	2(3W+1S)	10.0	10.0	10.0	20
	FUSEL OIL WASHING PUMP	2(3W+1S)	0	0	0	0
	SPENT LAGER CONDENSATE TANK TRANSFER PUMP	2(3W+1S)	40	40	0	40
	HEALING WATER PUMP , BOTTOM VACUUM PUMP	2(3W+1S)	5	5	5	10
	ERD FEED PUMP	2(3W+1S)	5	5	5	10
	HEALING WATER PUMP , VACUUM PUMP	2(3W+1S)	5	5	5	10
	ERD PUMP	2(3W+1S)	7.5	7.5	7.5	15
	RECIRCULATION CUM TRANSFER PUMP 1	1	20	20	0	20
	RECIRCULATION CUM TRANSFER PUMP 2	1	20	20	0	20
	RECIRCULATION CUM TRANSFER PUMP3	1	20	20	0	20
	RECIRCULATION CUM TRANSFER PUMP 4	1	20	20	0	20
	RECIRCULATION CUM TRANSFER PUMP	1	20	20	0	20
	METHOL SLOP FEED PUMP	2(3W+1S)	7.5	7.5	7.5	15
	RECIRCULATION CUM TRANSFER PUMP	2(3W+1S)	20	20	20	40
	EFFLUENT HOLDING TANK TRANSFER PUMP	2(3W+1S)	0	0	0	0
	CONDENSATE PRODUCT TRANSFER PUMP	2(3W+1S)	10	10	10	20
	UP PUMP FOR EVAPORATION	2(3W+1S)	7.5	7.5	7.5	15
	EFFLUENT PIT TRANSFER PUMP	1	7.5	7.5	0	7.5
	HEALING WATER RECIRCULATION PROCESS PUMP	2(3W+1S)	7.5	7.5	7.5	15
	HEALING WATER RECIRCULATION VACUUM PUMP	2(3W+1S)	0	0	0	0
	VACUUM PUMP FOR EVAPORATION	2(3W+1S)	0	0	0	0
	TOTAL			598.5	311	909.5

DECANTATION FINOS DRYER AND DCS SECTION ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	Quantity	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
	DISHSON MOTOR					
	FINES HOP TRANSFER PUMP	2(3W+1S)	20	20	20	40
	WET CAKE CONVEYING SCREW FOR DECANTER	2	5	10	0	10
	WET CAKE CONVEYING SCREW FOR RIBBON MIXER	1	10	10	0	10
	BLOWER CENTRIFUGAL MOTOR	2(3W+1S)	60	120	60	180
	MOTOR FOR AIR COMPRESSOR	2(3W+1S)	15	15	15	30
	MOTOR FOR CONVEYING BLOWER	1	60	60	0	60
	MOTOR FOR CONVEYING BLOWER	1	60	60	0	60
	MOTOR FOR BIN ACTIVATOR	2	0.5	1	0	1
	MOTOR FOR DRYER	1	167.5	167.5	0	167.5
	MOTOR FOR DRYER	1	167.5	167.5	0	167.5
	MOTOR FOR CONDENSATE PUMP	2(3W+1S)	20	20	20	40
	MOTOR FOR CYCLONE ROTARY VALVE	2	1	2	0	2
	MOTOR FOR ROTARY VALVE OF ADMIXCT HOPPER	2	1	2	0	2
	MOTOR FOR ROTARY VALVE BELOW PRODUCT COOLER FOR 30 TPH	1	3	3	0	3
	MOTOR FOR ROTARY VALVE BELOW PRODUCT COOLER FOR 30 TPH	1	3	3	0	3
	MOTOR FOR ROTARY VALVE BELOW PULVERISER 30 TPH	2	2	4	0	4
	MOTOR FOR ROTARY VALVE BELOW DDGS SILO	2	2	4	0	4
	MOTOR FOR HAUL OFF SCREW	2	5.0	10	0	10
	MOTOR FOR DISCHARGE SCREW	2	10	20	0	20
	MOTOR FOR DOSING SCREW	2	7.5	15	0	15
	MOTOR FOR FEED SCREW	2	7.5	15	0	15
	MOTOR FOR DOSING SCREW	2	10	20	0	20
	MOTOR FOR CONVEYING SCREW	2	7.5	15	0	15
	MOTOR FOR DOUBLE SHAFT MIXER	2	10	20	0	20
	MOTOR FOR DOUBLE SHAFT MIXER	2	10	20	0	20
	MOTOR FOR VAPOR FAN	2	30	60	0	60
	MOTOR FOR PANEL FOR BAGGING MACHINE	2	5	10	0	10
	MOTOR FOR PULVERISER	2	75	150	0	150
	MOTOR CKD ELEVATOR	2	5	10	0	10
	MOTOR FOR TRANSFER SCREW	2(3W+1S)	5	10	0	10
	SIEMO BOTTOM TRANSFER PUMP	2(3W+1S)	75	75	0	75
	TOTAL			1251.5	265	1516.5

ETHANOL STORAGE SECTION ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	quantity	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
	EAA TRANSFER CUM INLOUT PUMP	2(3W+1S)	20	20	20	40
	ETH TRANSFER PUMP	2(3W+1S)	5	5	5	10
	ETH TRANSFER PUMP	1	5	5	0	5
	COOLING TOWER CIRVULATION PUMP	1	1.5	1.5	0	1.5
	TOTAL			31.5	25	56.5

UTILITE ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	Quantity	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
	FERMENTATION COOLING WATER RECIRCULATION PUMP	2(3W+1S)	100	200	100	300
	DISTILLATION EAPORATION COOLISS WATER PUMP	2(3W+1S)	100	200	100	300
	MSDH COOLING WATER RECIRCULATION PUMP	2(3W+1S)	100	200	100	300
	BLOWN DOWN TRANSFER PUMP	2	5	10	0	10
	TOTAL			655	510	1020

Raw Water Tank Section Electrical Load

Sl. No.	Description of Load	Quantity	Motor Rating HP	Motor Working Load HP	Motor Std by Load HP	Total Connected load
1	Electrical motor drive main pump	2 (3W+1S)	240	240	240	480
2	Electrical motor drive jockey pump	2 (3W+1S)	40	40	40	80
3	Fire siteen panel in TG building	1	0	0	0	0
4	Fire siteen panel in PCTP & WTP building	1	1.5	2	0	2
5	Fire siteen panel in fermentation building	1	1.5	2	0	2
6	Deluge valve control panel for transformer-1	1	1.5	2	0	2
7	Deluge valve control panel for transformer-2	1	1.5	2	0	2
8	Deluge valve control panel for transformer-3	1	1.5	2	0	2
9	Deluge valve control panel for transformer-4	1	1.5	2	0	2
10	Deluge valve control panel for transformer-5	1	1.5	2	0	2
11	Deluge valve control panel for MFW80 and Foam system	1	1	2	0	2
12	Hose reel on Process Pump	2 (3W+1S)	40	40	40	80
	Total			336.5	320	656.5

PCTP ELECTRICAL LOAD DETAILS

Sl.No	Equipment Name	Quantity	Rating HP	Operation load HP	Stand by load HP	Connected Load HP
1	Equalization Tank Transfer Pump	2(3W+1S)	10	10	10	20
2	Filter Feed Pump	2(3W+1S)	10	10	10	20
3	Feed RO Pressing Pump	2(3W+1S)	12.5	12.5	12.5	25
4	Feed RO High Pressure Pump	2(3W+1S)	40	40	40	80
5	Feed RO Booster Pump	2(3W+1S)	3	3	3	6
6	Reject 1O Pressing Pump	2(3W+1S)	5	5	5	10
7	Reject 1O High Pressure(Pump-I	2(3W+1S)	10	10	10	20
8	Reject 1O High Pressure Pump-II	2(3W+1S)	10	10	10	20
9	Reject 1O Booster Pump	2(3W+1S)	2	2	2	4
10	RO CIP Pump	2(3W+1S)	12.5	12.5	0	12.5
11	Backwash Transfer Pump	2(3W+1S)	5	5	5	10
12	RO Reject Transfer Pump	2(3W+1S)	3	3	3	6
13	RO Permeate transfer Pump	2(3W+1S)	5	5	5	10
14	UF CIP Pump	2(3W+1S)	5	5	5	5
15	UF Backwash Pump	2(3W+1S)	10	10	10	20
16	Filter Backwash Pump	2(3W+1S)	20	20	0	20
17	UF Feed Pump	2(3W+1S)	5	5	5	10
18	Sponge Transfer Pump	2(3W+1S)	2	2	2	4
19	Sponge Pump	2(3W+1S)	2	2	2	4
20	Alkali Dosing Pump	2(3W+1S)	0.24	0.24	0.24	0.48
21	Antiscalant Dosing Pump For Feed RO	1	0.24	0.24	0	0.24
22	Antiscalant Dosing Pump For Reject RO	1	0.24	0.24	0	0.24
23	FeCl3 Dosing Pump	2(3W+1S)	0.24	0.24	0.24	0.48
24	Polyc Dosing Pump	2(3W+1S)	0.24	0.24	0.24	0.48
25	Alum Dosing Pump for UF	2(3W+1S)	0.24	0.24	0.24	0.48
26	Acid Dosing Pump for UF	2(3W+1S)	0.24	0.24	0.24	0.48
27	Hypo Dosing Pump for UF	2(3W+1S)	0.24	0.24	0.24	0.48
28	Agitator for Flash Mixer	1	0.5	0.5	0	0.5
29	Agitator for Flocculator	1	0.5	0.5	0	0.5
30	Agitator for FeCl3 Dosing Tank	1	0.5	0.5	0	0.5
31	Agitator for Polyacrylate Dosing Pump	1	0.5	0.5	0	0.5
	TOTAL			163.92	118.94	282.86

BOILER AND TG FUEL LOAD DETAILS

Sl.No	Description of Load	Quantity	Motor Rating HP	Motor Working Load HP	Motor Stand by Load HP	Total Connected Load HP
1	Boiler Feed Water pump	2(3W+1S)	60	120	120	240
2	Transfer pump	2(3W+1S)	30	60	30	90
3	ID Fan	1	170	170	0	170
4	FD Fan	1	170	170	0	170
5	PA Fan	1	108	108	0	108
6	LP Dosing pump	2(3W+1S)	1	0.5	0.5	1
7	LP Dosing Stirrer	1	0.5	0.5	0	0.5
8	HP Dosing pump	2(3W+1S)	0.5	0.5	0.5	1
9	HP Dosing Stirrer	1	0.5	0.5	0	0.5
10	Scum Skimmer motor	1	0.5	0.5	0	0.5
11	Fire Hydrant Booster Jockey Pumps	2	0.5	1.0	0	1.0
12	Limestone Feeder Rotary Feeder	1	0.5	0.5	0	0.5
13	Long Retractable Soot Blower	2(3W+1S)	1	1	0	2
14	Rotary Type Soot Blower	1	0.5	0.5	0	1
15	MDPT- 600 GPM Type	1.0	3	3	0	3
16	MDPT Mounted By Pump Gearing type	1.0	0.18	0	0.18	0.18
17	Turbine Gate MDPT - 20 GPM type	1.0	3	3	0	3
18	Turbine Gate Mounted - Gearing Type	1.0	0.18	0	0.18	0.18
19	Fresh Slurry Drain MDPT on off Type	1.0	1.5	1.5	0	1.5
20	Slurry Drain waste up water MDPT - Gear	1.0	0.18	0	0.18	0.18
21	Belt conveyor	1	20	20	0	20
22	Belt conveyor	1	10	10	0	10
23	Belt conveyor	1	15	15	0	15
24	Belt conveyor	1	15	15	0	15
25	Reversible Belt conveyor	1	7.5	7.5	0.0	7.5
26	Reversible Belt conveyor	1	7.5	7.5	0.0	7.5
27	Overload Impulse Zero Sequence in DCS	1	9.4	9.4	0	9.4
28	Electronic bale weigher in DCS	1	1.5	1.5	0.0	1.5
29	Impactor Coal crusher	1	30	30	0	30
30	Vibrating screen for coal	1	10	10	0	10
31	Jig Fine screen	1	20	20	0	20
32	Hex bush screen	1	20	20	0	20
33	Vibrating feeder	2	1	2	0	2
34	Dust Extraction screen 1	1	60	60	0	60
35	Dust Extraction screen 2 BAT	1	3	3	0	3
36	Dust Extraction screen 3	1	30	30	0	30
37	Dust Extraction screen 2 BAT	1	3	3	0	3
38	Screened Fine grit in RC-1	1	5	5	0	5
39	Screened Fine grit in RC-4	1	5	5	0	5
40	Cooling tower fan motor	1 (3S)	80	80	0	0
41	Cooling tower circulating water pump	2 (3W+1S)	177	177	177	354
42	Cooling tower cooling water pump (Kirloskar 3.75)	2 (3W+1S)	60	60	60	120
43	Cooling tower indirect water transfer pump	2 (3W+1S)	10

THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

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Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

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Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

Verified RealEstate
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai 600 097, India
hello@verified.realestate
+91 9996 12 9996

Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.