



CLEAN GREEN ENERGY MISSION GREEN HYDROGEN GENERATION

Project Name	Coastal
Site	India
Client Name	AESPL
Client Reference	C-001
Generated On	1/29/2026, 12:14:00 AM
Prepared By	Clean Green Energy Mission



Clean Green Energy Mission - Report

GREEN HYDROGEN GENERATION

Key Inputs

Details	Unit	Data
PROJECT DATA		
Project Name		Coastal
Project Reference		P-001
Client Name		AESPL
Client Reference		C-001
Revision No.		A
Revision Date		26/11/2025
PROJECT CURRENCY		
Project Currency		INR
SITE LOCATION		
Location		India
Latitude		10.234054
Longitude		79.638906
GREEN ELECTRICITY SOURCE		
GREEN_ELECTRICITY SOURCE(GRID PURCHASED)		
Grid Green Electricity		0
Solar Power Share		50
Wind Power Share		50
GREEN_ELECTRICITY SOURCE(OWN PURCHASED)		
Own Green Electricity		100
Solar Power Share		20
Wind Power Share		80
ELECTROLYSER PLANT		
Electrolyser Technology		Proton Exchange Membrane (PEM)
Electrolyser Plant Size	MW	10
Efficiency of Electrolyser	%	70
Single Stack Rating		1200
Desired Electrolyser Plant Load Factor	%	100
Daily Buffer Storage	%	12
Stack Replacement Year	Years from COD	10
Stack Replacement (% of CAPEX)	% of CAPEX COD	40
Cost of Stack + packaged BOP	INR/KW	25000
H ₂ Delivery Pressure	bar	30
SOLAR PV PLANT (Own Generation)		
PV Module Type		Monocrystalline

PV Module Technology		N-Type TOPCon
PV Module Make & Model		TP SOLAR-TP550HG10TB
PV Module Rated Power	Wp	550
PV Module Efficiency	%	21.34
System Loss	%	10
Tracking		0
Tilt Angle	Degrees	35
Azimuth Angle	Degrees	180
Product Warranty	Years	15
Power Warranty	Years	30
PV Module Cost	INR/Wp	25
PV Module Height	mm	2280
PV Module Width	mm	1130
PV Module Yearly Replacement	%	2
DC/AC Ratio		1.2
Ground Coverage Ratio		0.4
Infra / non-module area margin	%	25
WIND ENERGY GENERATOR PLANT (Own Generation)		
WEG Make & Model		GAMESA G97-2000
WEG Rated Power		2000
Rotor Diameter	Meter	97
Hub Height	Meter	104
WEG System Loss	%	0
Average Power Coefficient (Cp)	(0 means OEM power curve is applied)	0
Rated Speed	m/s	11
Cut-in-Speed	m/s	3
Cut-out-Speed	m/s	25
Cost of Wind Energy Generator	INR/KW	50000
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
BESS Plant Provided		Yes
Type of Battery		LFP Lithium-Ion
BESS Plant Load ##	KW	0
Depth of Discharge*		0.80
Autonomy	Hours	2
BESS Round Trip Efficiency	%	90
BESS Safety & Reserve Margin	%	10
End-of-life SOH thershold	%	80
Battery Cycle Degradation	%	0.003
Cost of Battery System	INR/KWH	10000
Cell Replacement (% of CAPEX)	% of CAPEX COD	30
CAPEX OF THE PLANT		

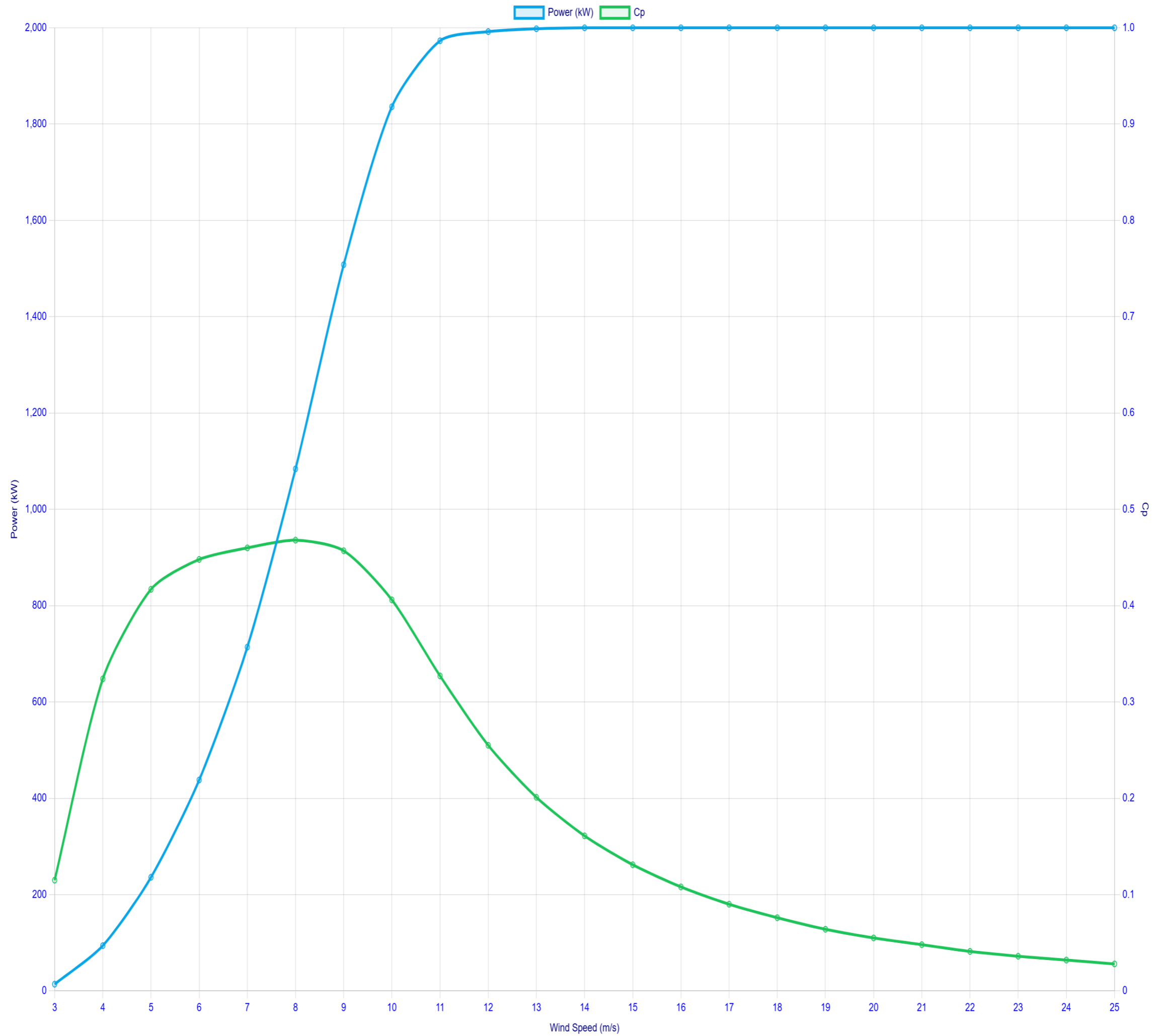
CAPEX of Electrolyser Plant	INR/KW	41667
CAPEX for Solar PV Plant	INR/KW	54547
CAPEX of Wind Turbine	INR/KW	86458
CAPEX of BESS Plant	INR/KWH	22222
Land Price	INR/ACRES	125000
Country Factor for Labour Work		1
PLANT OPERATING DETAILS		
Life of the Plant	YEARS	20
Construction Period	MONTHS	9
O&M Expenses Percentage	%	5
Auxiliary Power - Electrolyser	%	10
Auxiliary Power - Wind Turbine	%	0.5
Auxiliary Power - Solar PV Plant	%	1
Working Capital for Spares	% of CAPEX	1
Working Capital for O&M	Months	1
Working Capital for Receivables	Months	1
Cost of Treated Water	INR/CUM	50
PROJECT FINANCIALS		
Equity	%	30
Return on Equity	%	0
Loan Repayment Period	YEARS	10
Loan Moratorium Period	YEARS	2
Interest Rate on Term Loan	%	7
Interest Rate on Working Capital	%	7
Working Capital Margine Money	%	25
TAX Depreciation Rate	%	10
Discount Rate	%	8
Income Tax	%	22
Tax Holiday	YEARS	2
Salvage Value	%	10
Exchange Rate Variation	%	2
SUBSIDIES AND INCENTIVES		
Capital Subsidy (% of CAPEX)	%	5
Subsidy Receipt Year (1=Year1)	Year	1
RE Generation-Based Incentive	INR/KWH	0
H ₂ Generation-Based Incentive	INR/kgH ₂	0
GBI Eligibility Period	Years from COD	5
GRID POWER PURCHASE PRICE DETAILS		
Solar Power Purchase Price	INR/KWH	3
Wind Power Purchase Price	INR/KWH	4.5
TARGETTED SALE PRICE		

EXCESS GREEN POWER SALE PRICE		
Excess Green Power Sale Price	INR/KWH	7.5
GREEN HYDROGEN SALE PRICE		
Green Hydrogen Sale Price	INR/KG	425
PLANT DEGRADATION		
Electrolyser Annual Degradation	%	0.05
Solar PV Annual Degradation	%	0.070
Wind Turbine Annual Degradation	%	0.020
BESS Annual Degradation	%	1
Curtailement / Losses	%	0
PRICE ESCALATION		
Annual Green Hydrogen Cost Escalation	%	2
Annual Excess Green Power Cost Escalation	%	2
Whole Sale Price Index (WPI)	%	4
Consumer Price Index (CPI)	%	6
Annual Battery Price Escalation	%	0
Annual PV Module Price Escalation	%	0
Annual Electroser Stack Price Escalation	%	0
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline		Grey H2 from SMR
Baseline Emissions Factor for Grey H ₂ (SMR)	kg CO ₂ e/kg H ₂	10.5
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.45
Life Cycle CO ₂ e Intensity-Solar	kg CO ₂ e/kWh	0.05
Life Cycle CO ₂ e Intensity-Wind	kg CO ₂ e/kWh	0.015
Life Cycle CO ₂ e Intensity-DM/RO Water	kg CO ₂ e/cum	0.0072
Carbon Credit Market/Standard		Verra VCS
Market Price for Carbon Credit for avoidance Project	USD/tons of CO ₂ e	20
Annual Carbon Credit Price Escalation	%	3

OEM POWER CURVE

WEG Model	GAMESA G97-2000										Rotor Diameter (m)					97.00					Hub Height (m)					104.0				
Rated Power (kW)	2000										Cut-in Speed (m/s)					3.00					Cut-out Speed (m/s)					25.00				
Parameter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23							
Wind Speed (m/s)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00							
Power (kW)	14.0	94.0	236.0	438.0	714.0	1084.0	1508.0	1836.0	1973.0	1992.0	1998.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0							
Cp	0.115	0.324	0.417	0.448	0.460	0.468	0.457	0.406	0.327	0.255	0.201	0.161	0.131	0.108	0.090	0.076	0.064	0.055	0.048	0.041	0.036	0.032	0.028							

OEM POWER CURVE GRAPH



GREEN HYDROGEN GENERATION

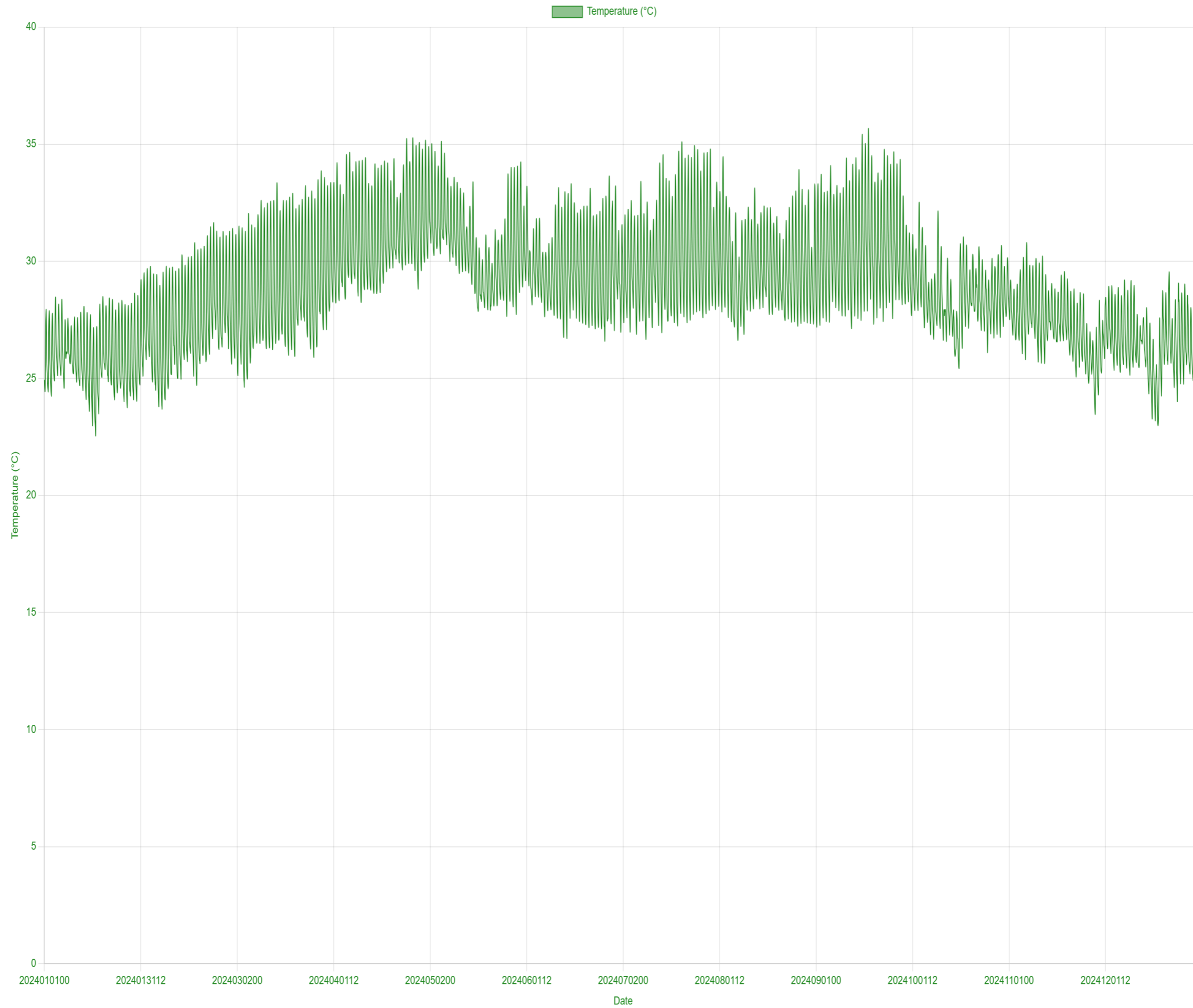
Plant Description

Details	Unit	Data
ELECTROLYSER PLANT		
No of Stacks Provided	nos	9
Actual Electrolyser Plant Size Provided	MW	10.80
Electricity needed for 1 kg of Hydrogen	KWH	48.02
Green Hydrogen production	KG/H	208.25
Green Hydrogen production	NCUM/h	2313.89
Green Hydrogen NCV	KCAL/KG	28898.9
Treated Water requirement	CUM/H	2.75
Desired Electrolyser Plant Load Factor	%	100
Desired Annual Green Hydrogen prouduction	KG	1829268
Desired Annual Electricity requirement	KWH	96625594
Actual Electrolyser Plant Load Factor	%	75.91
Actual Annual Green Hydrogen production	KG / MT	1388520 / 1388.52
Actual Annual Electricity requirement	KWH / MKWH	74001649 / 74.00
Annual Auxiliary Power Consumption	KWH / MKWH	6667673.040 / 6.67
Actual Annual Treated Water requirement	CUM	16662.24
Actual Annual Oxygen production(Vented to atmosphere)	KG / MT	11108160 / 11108.16
SOLAR PV PLANT (Own Generation)		
Desired Solar Electricity generation	KWH	19518370
Plant Load Factor	%	16.91
Required Solar PV Plant Capacity	KW	13140.37
Selected Plant AC Capacity	KW	13140
Selected Plant DC Capacity	KW	15768
PV Module Total Quantity	nos	28670
Annual Gross Solar Electricity generation	KWH / MKWH	19519487 / 19.52
Annual Auxiliary Power Consumption	KWH / MKWH	195195 / 0.20
Annual Net Solar Electricity generation	KWH / MKWH	19324292 / 19.32
WIND ENERGY GENERATOR PLANT (Own Generation)		
Site Terrain		Offshore/Coastal
Site IEC Wind Classification	Very Low Wind Site	IV
Site IEC Turbulance Classification	Low turbulance	C
Desired Wind Electricity generation	KWH	77686978
Plant Load Factor	%	34.96
Wind Turbine Plant Capacity	KW	25297.90
No of Wind Turbine Generators	Nos	13
Selected Plant Capacity	KW	26000
Annual Gross Wind Electricity generation	KWH / MKWH	79844093 / 79.84

Annual Auxiliary Power Consumption	KWHH	399220 / 0.40
Annual Net Wind Electricity generation	KWH / MKWH	79444873 / 79.44
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
Annual Battery Cycles	Nos of charging cycles	103
Battery Replacement Life	Years	15
BESS Load	KW	19570
BESS Plant Capacity	KWH	59797
Annual Net Power Consumed from BESS	KWH / MKWH	3137464 / 3.14
Annual BESS Auxiliary Power & Other Losses	KWH / MKWH	313746 / 0.31
TOTAL GREEN POWER GENERATION		
Solar Power (Generation)	KWH	19519487
Wind Power (Generation)	KWH	79844093
Total Green Power Generation	KWH / MKWH	99363580 / 99.36
PURCHASED POWER FROM GRID		
Solar Power (Purchased)	KWH	0
Wind Power (Purchased)	KWH	0
Total Purchased Power	KWH / MKWH	0 / 0.00
EXCESS GREEN POWER AVAILABLE FOR SALE		
Excess Green Power available for sale	KWH / MKWH	24772259 / 24.77

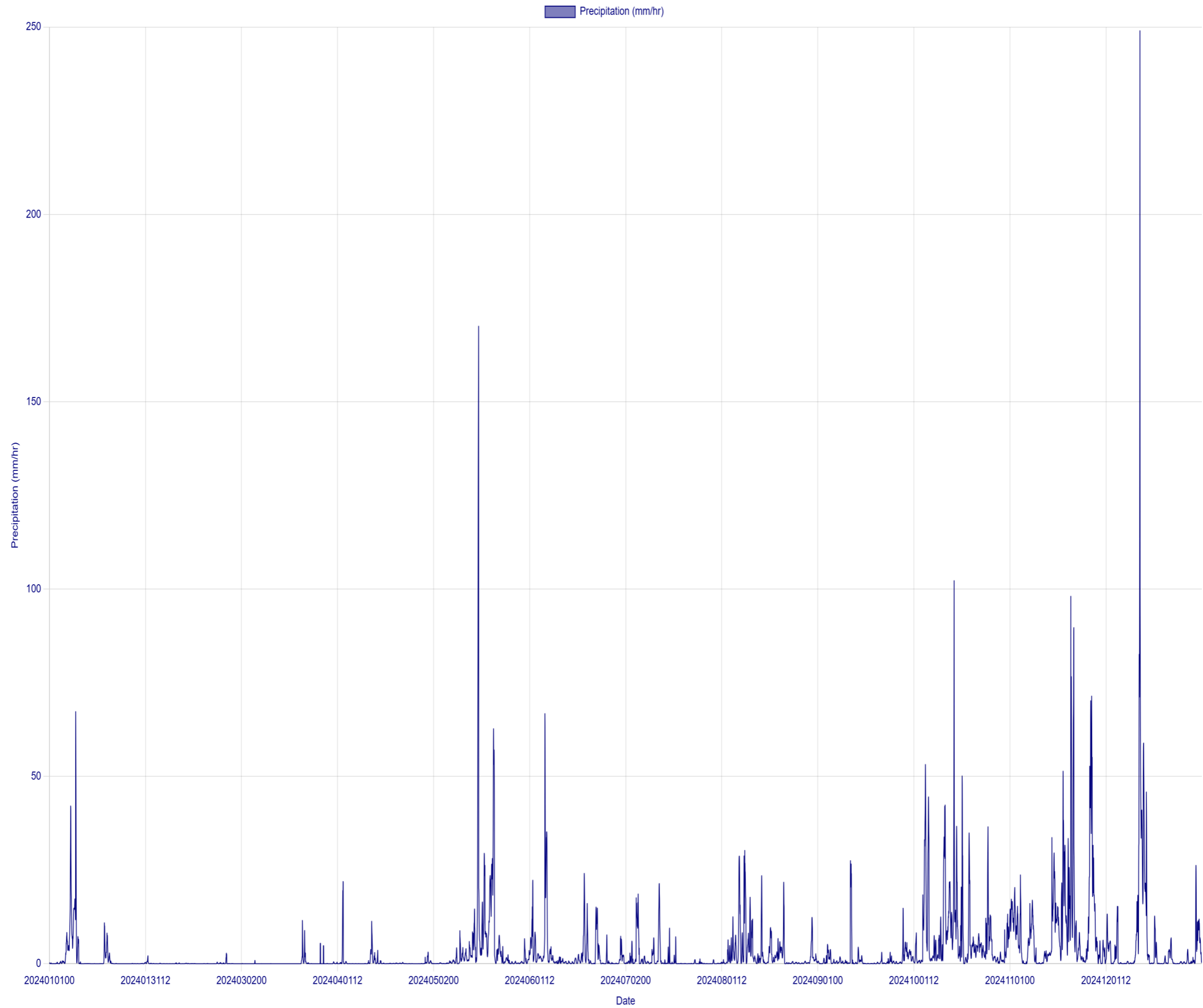
AMBIENT TEMPERATURE GRAPH

Average	28.91 °C	Maximum	35.67 °C	Minimum	22.54 °C
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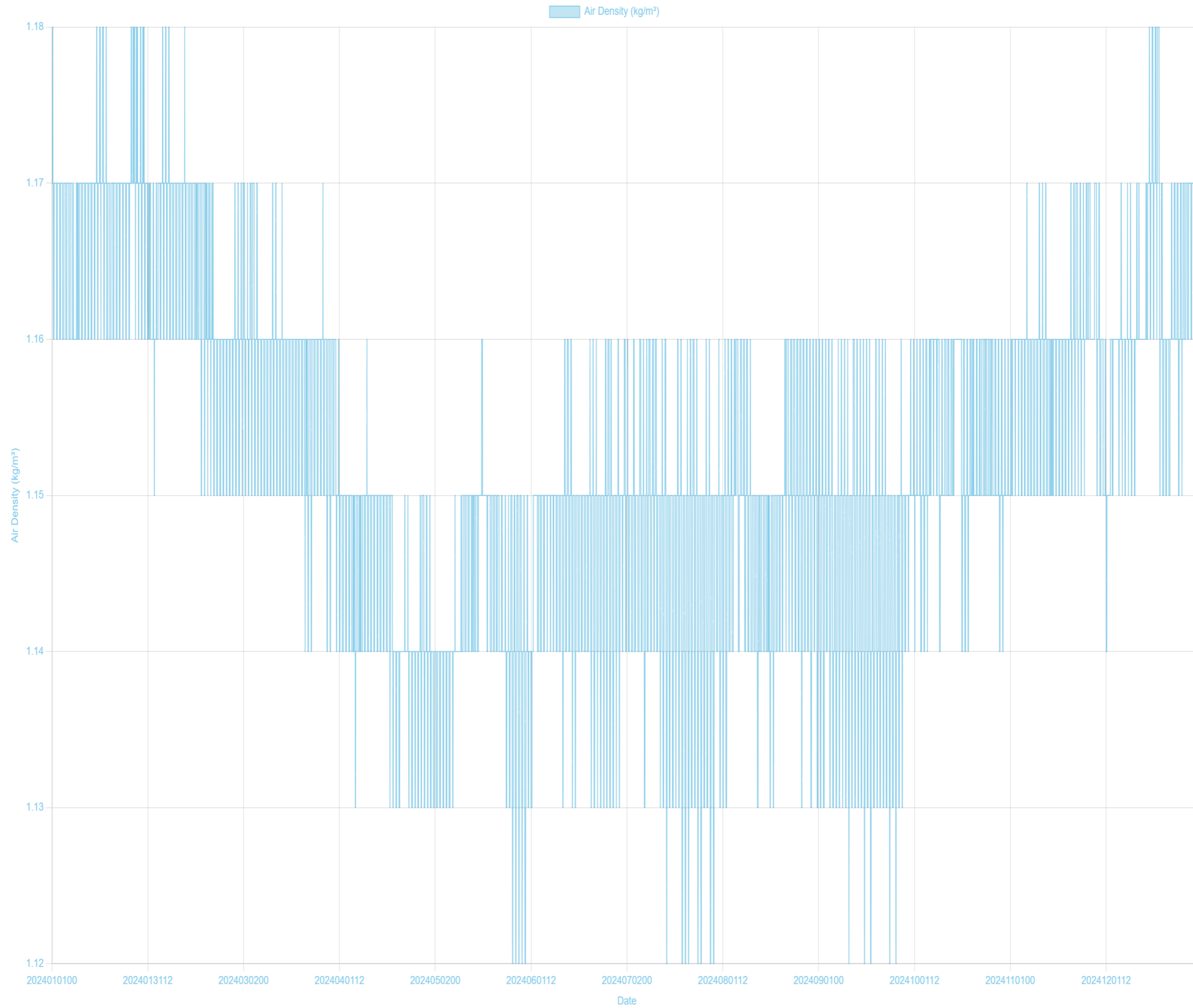
PRECIPITATION GRAPH

Average	3.23 mm/hr	Maximum	249.01 mm/hr	Minimum	0 mm/hr
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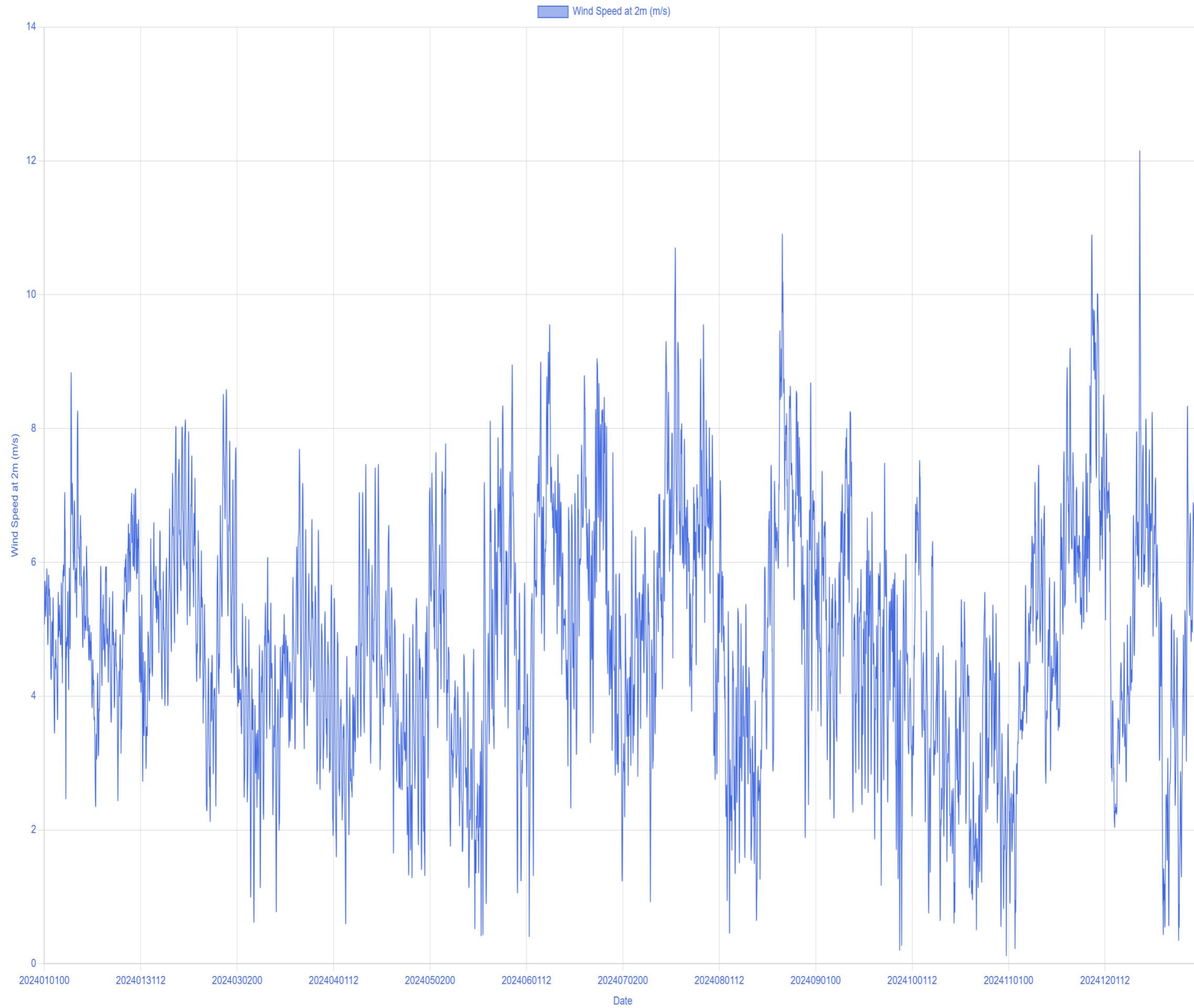
AIR DENSITY GRAPH

Average	1.15 kg/m ³	Maximum	1.18 kg/m ³	Minimum	1.12 kg/m ³
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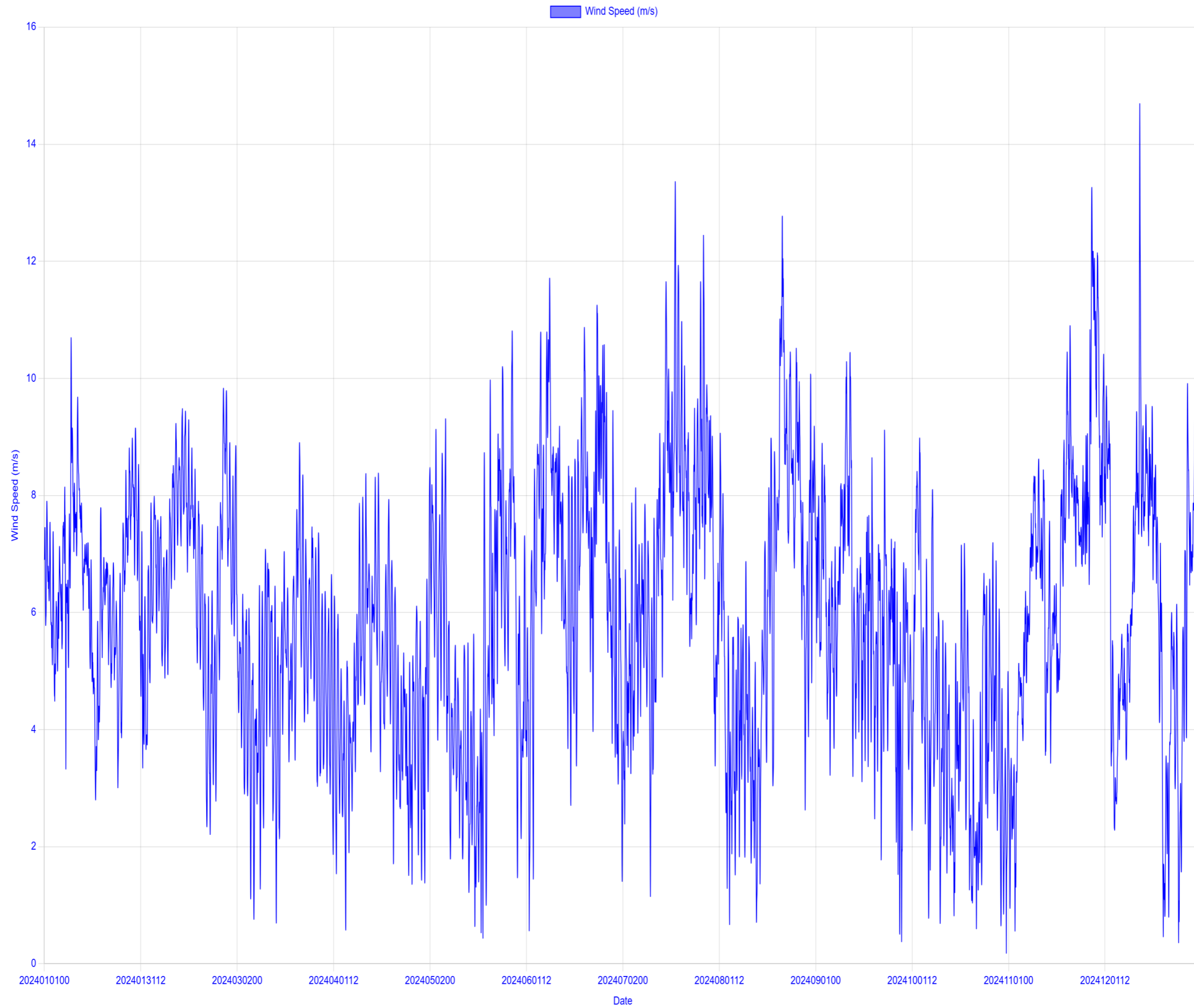
WIND SPEED 2M GRAPH

Average	4.85 m/s	Maximum	12.15 m/s	Minimum	0.12 m/s
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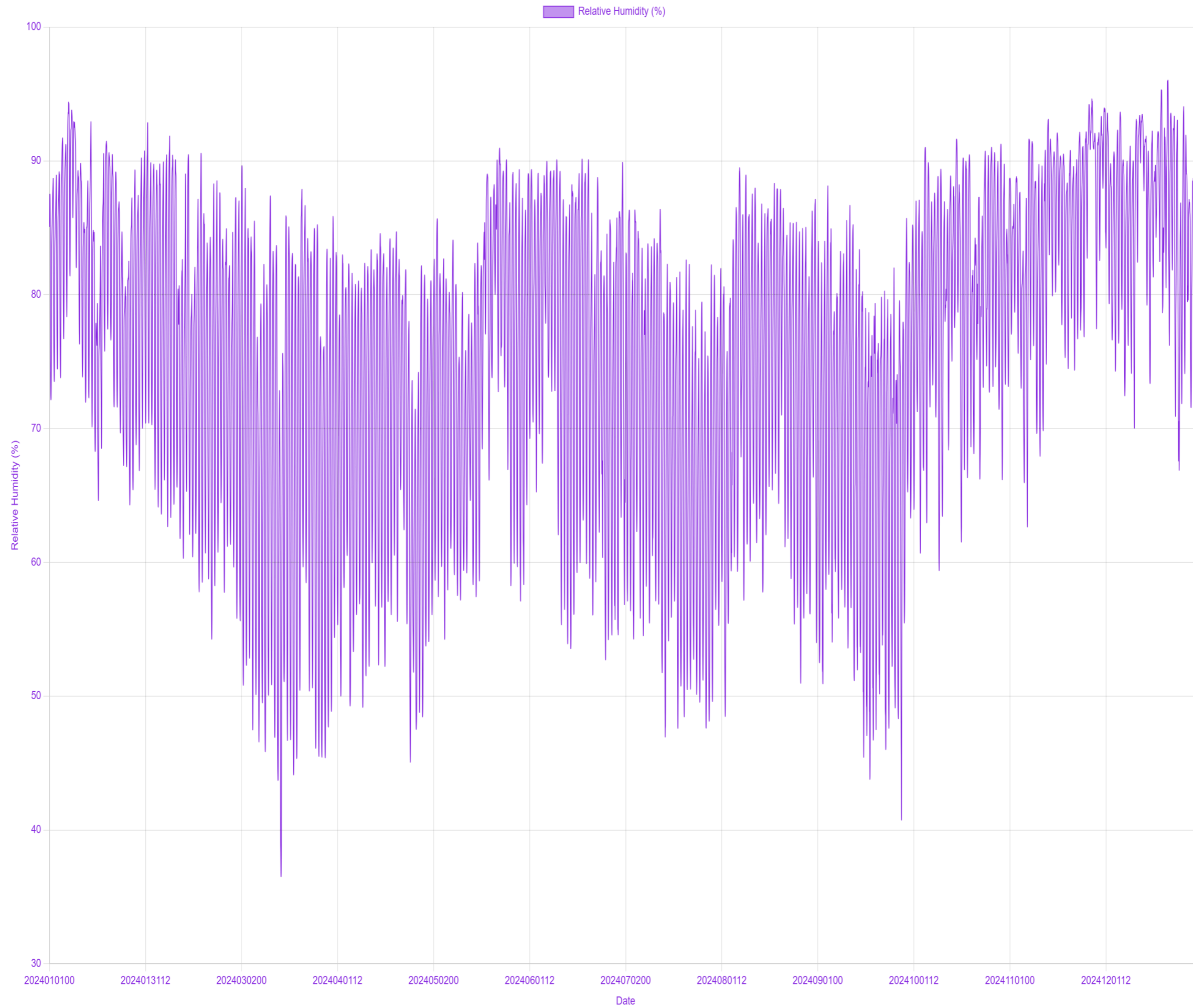
WIND SPEED 10M GRAPH

Average	5.95 m/s	Maximum	14.69 m/s	Minimum	0.18 m/s
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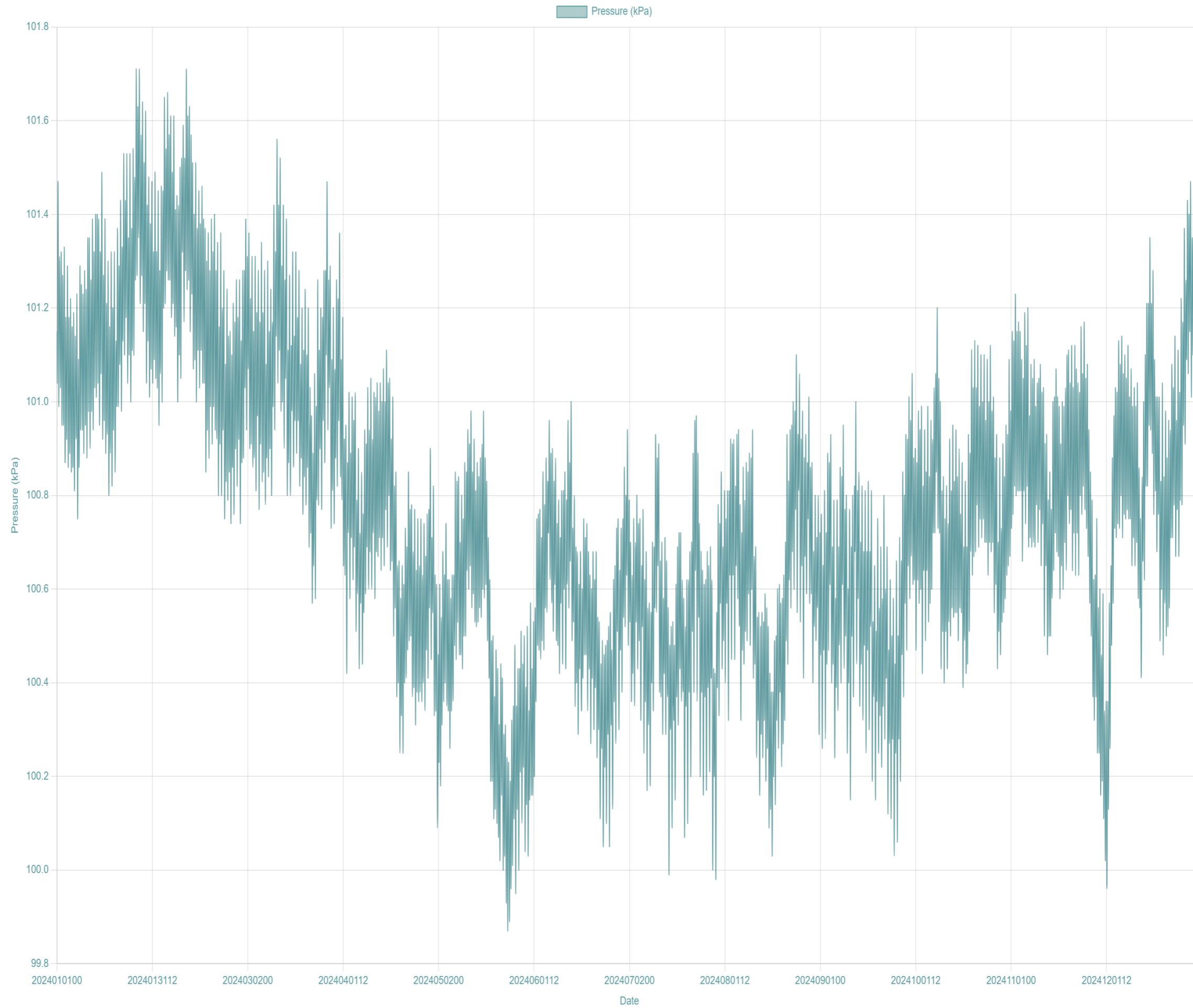
RELATIVE HUMIDITY GRAPH

Average	75.81 %	Maximum	96.04 %	Minimum	36.52 %
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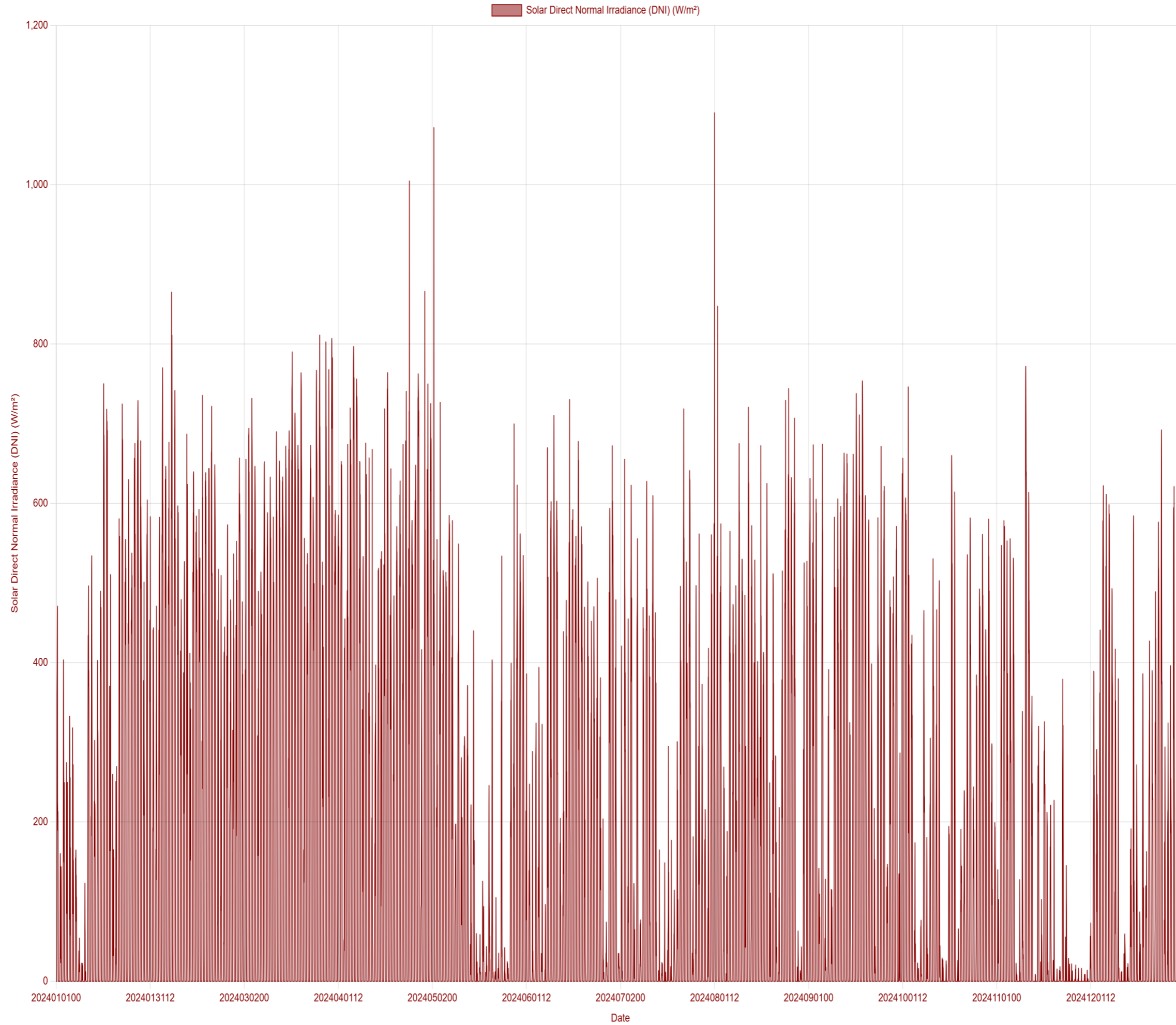
AMBIENT PRESSURE GRAPH

Average	100.77 kPa	Maximum	101.71 kPa	Minimum	99.87 kPa
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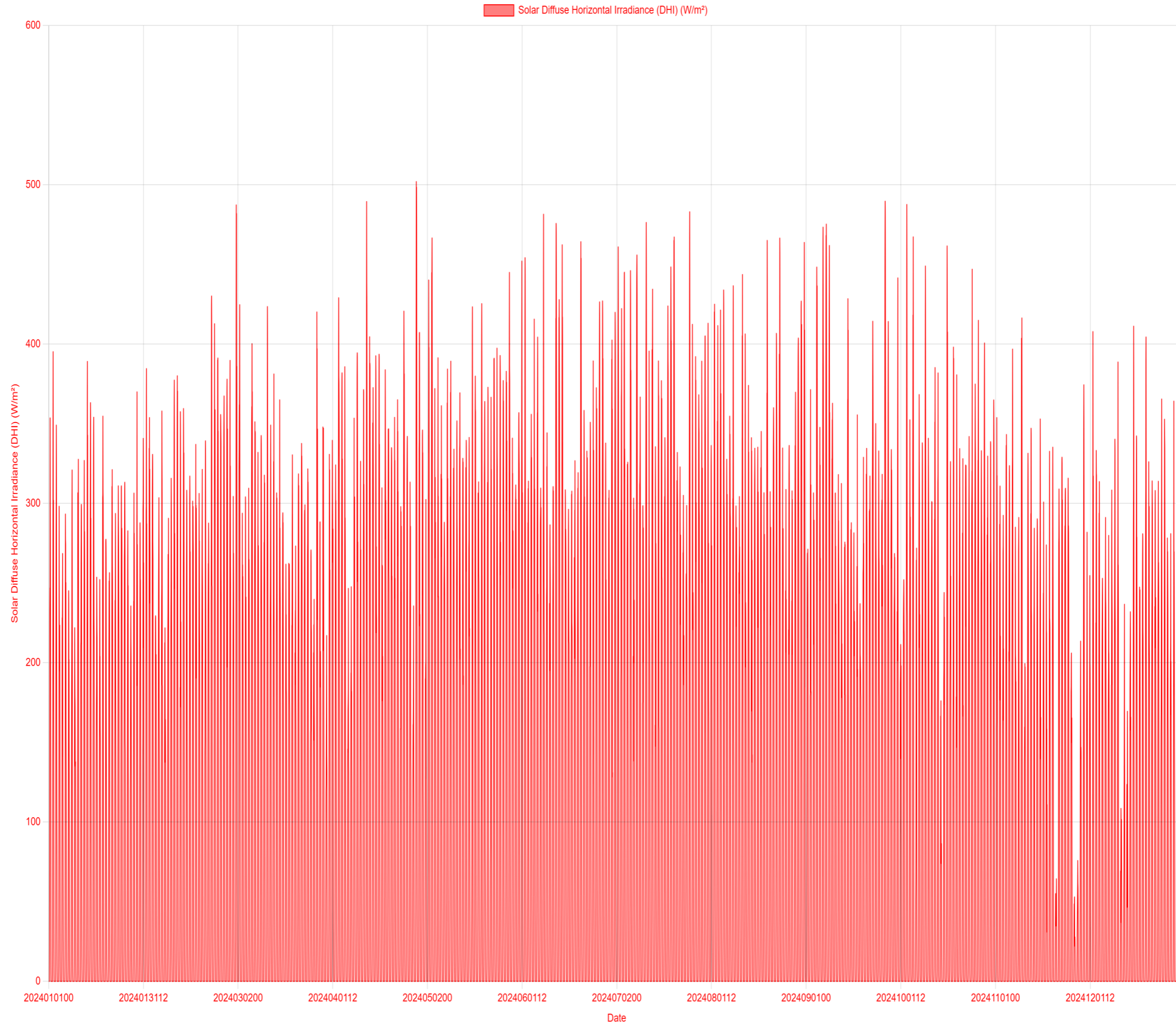
SOLAR DIRECT NORMAL IRRADIANCE (DNI) GRAPH

Average	131.53 W/m ²	Maximum	1090.27 W/m ²	Minimum	0 W/m ²
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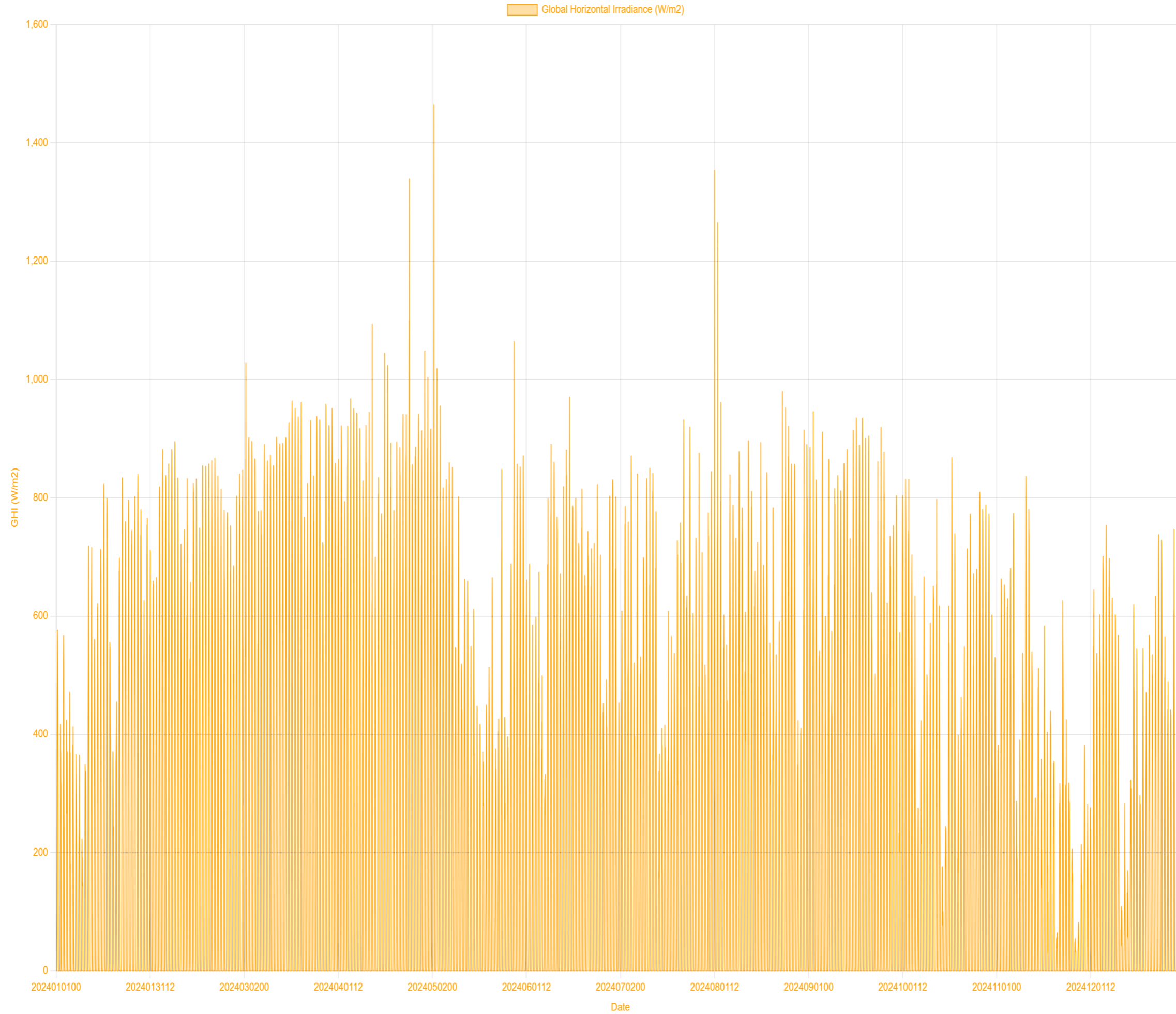
SOLAR DIFFUSE HORIZONTAL IRRADIANCE (DHI) GRAPH

Average	104 W/m ²	Maximum	501.66 W/m ²	Minimum	0 W/m ²
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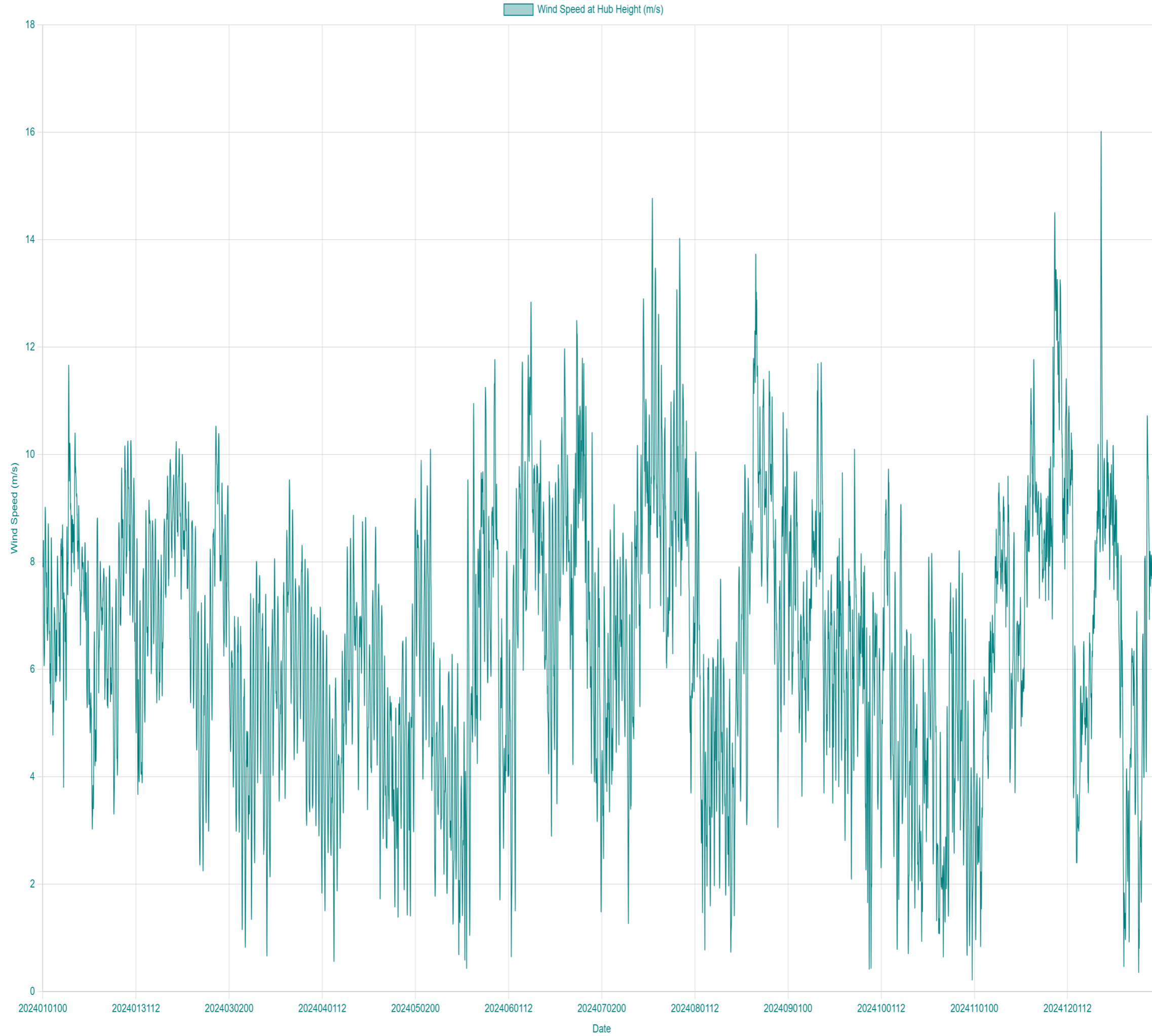


HOURLY GENERATION DATA

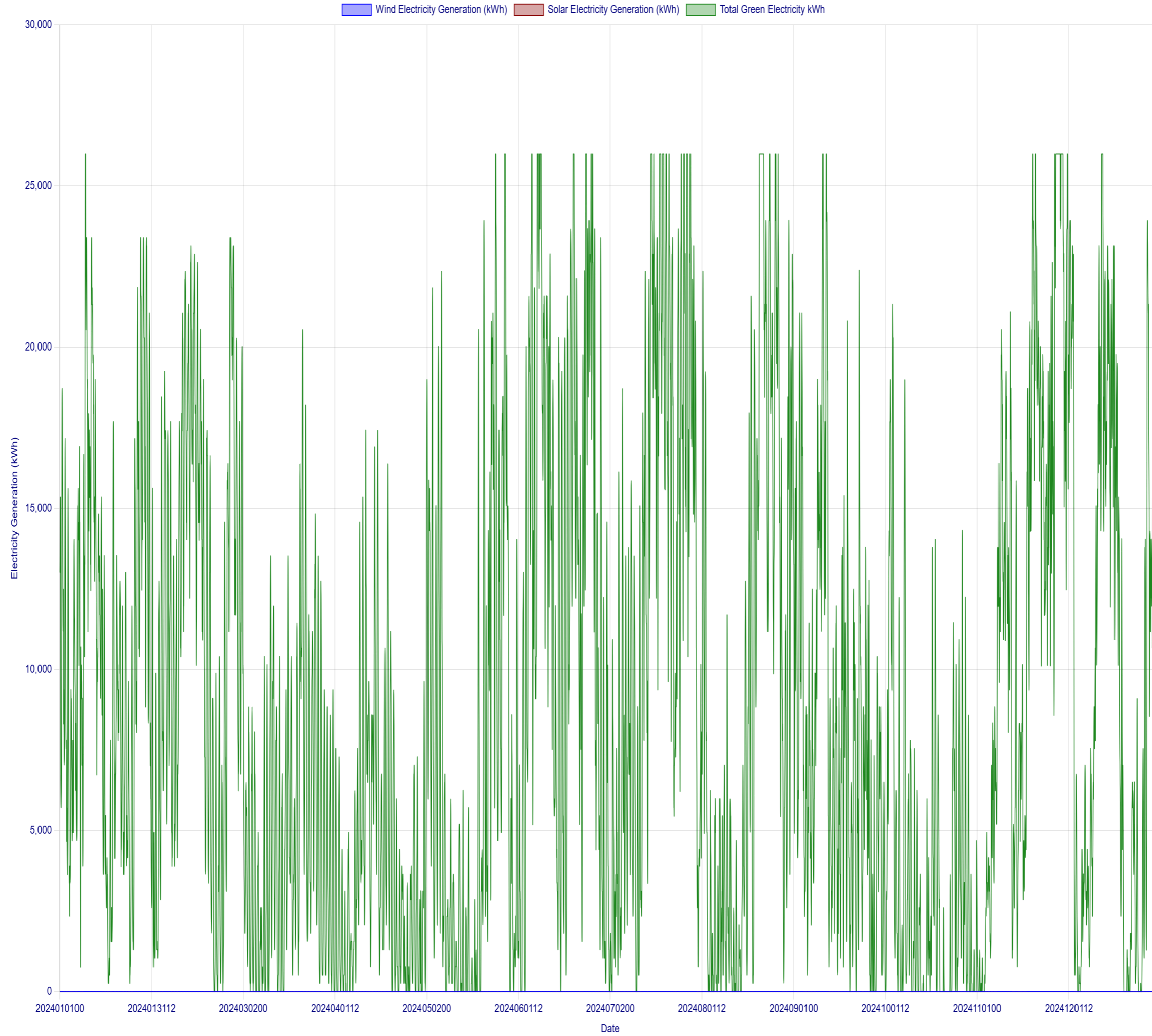
GLOBAL HORIZONTAL IRRADIANCE (GHI) GRAPH



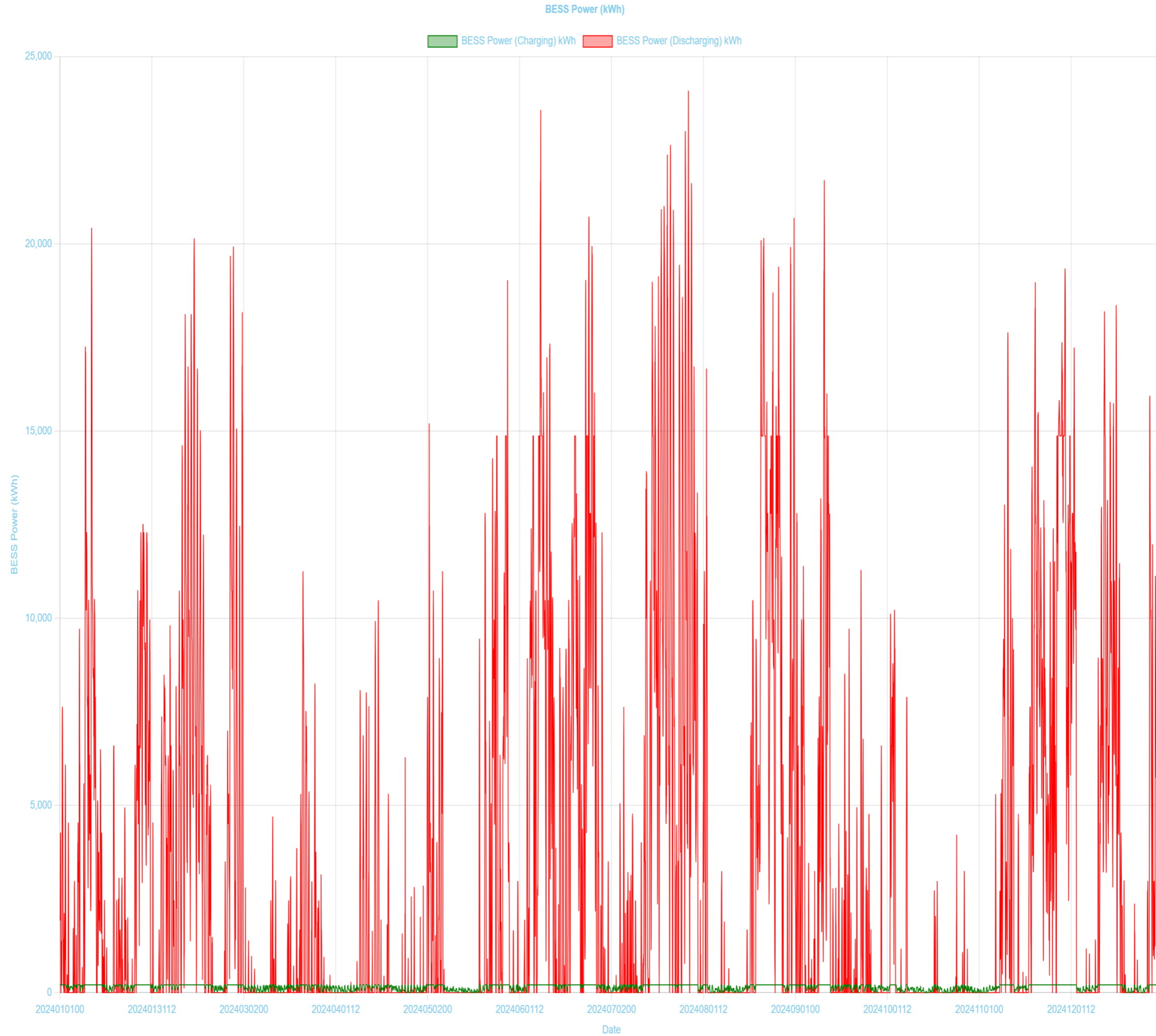
WIND SPEED AT HUB HEIGHT GRAPH



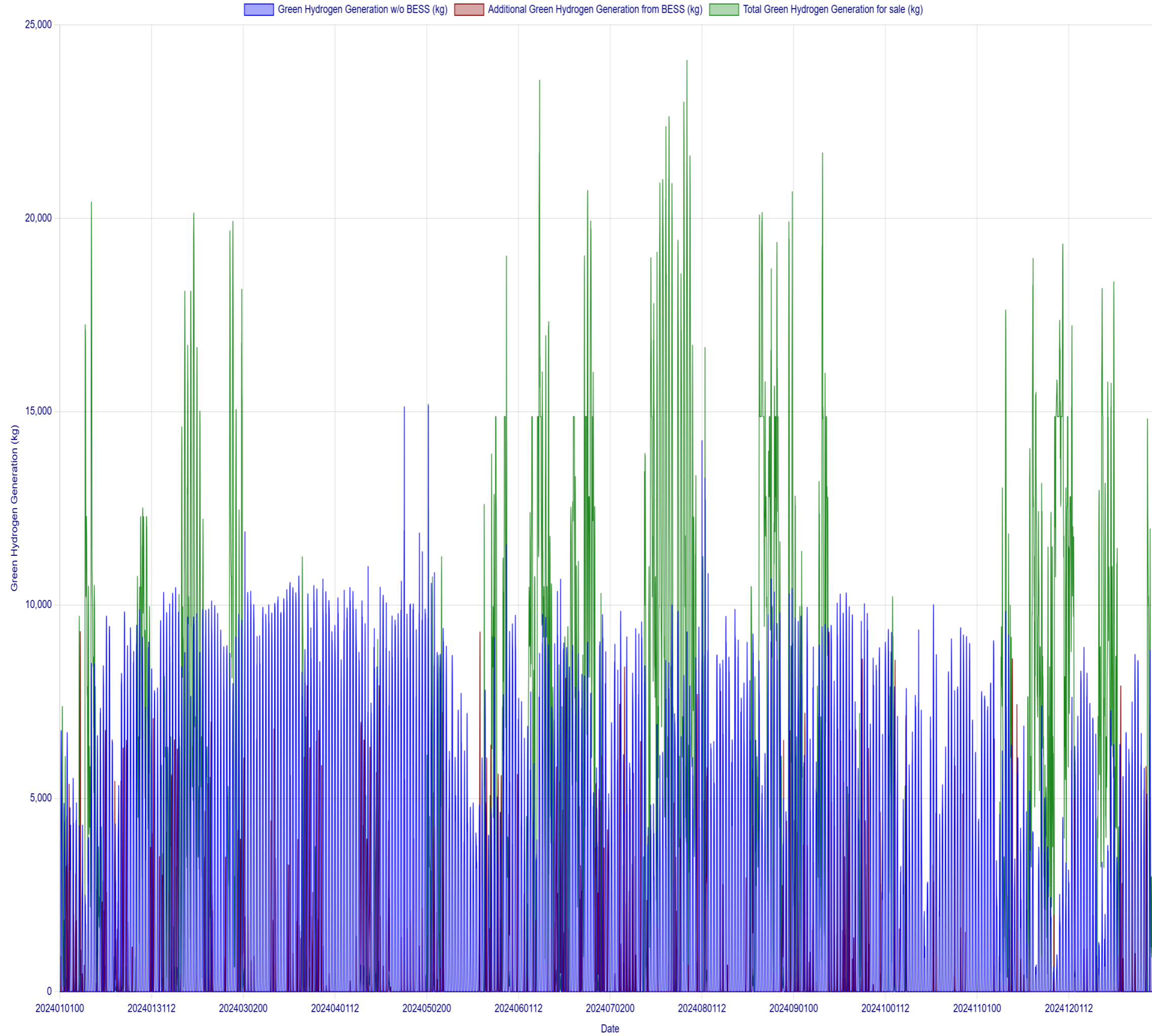
GREEN ELECTRICITY GENERATION GRAPH



BESS POWER GRAPH



GREEN HYDROGEN GENERATION GRAPH



GREEN HYDROGEN GENERATION

Land Estimate

Details	Unit	Data
Land Requirement for Green Hydrogen Plant		
ELECTROLYSER SKIDS + RECTIFIERS	SQ.M	3240
HYDROGEN PROCESSING UNIT	SQ.M	1080
COMPRESSION SYSTEM	SQ.M	1620
BUFFER STORAGE YARD	SQ.M	1728
WATER TREATMENT & COOLING	SQ.M	1620
ELECTRICAL & CONTROL INFRASTRUCTURE	SQ.M	1944
FIRE SAFETY INFRASTRUCTURE	SQ.M	432
INTERNAL ROADS, CIRCULATION, SETBACKS	SQ.M	2592
O & M INFRASTRUCTURE	SQ.M	648
TOTAL AREA FOR GREEN HYDROGEN PLANT	SQ.M / HECTARES / ACRES	17884.8 / 1.79 / 4.42
Land Requirement for Solar Power Generation		
TOTAL PV MODULE AREA	SQ.M	73865.39
LAND AREA UNDER ROWS	SQ.M	184663.47
GROSS LAND AREA INCL INFRASTRUCTURE	SQ.M	230829.34
TOTAL AREA FOR SOLAR POWER GENERATION	SQ.M / HECTARES / ACRES	230829.34 / 23.08 / 57.04
Land Requirement for Wind Power Generation		
WEG LAYOUT / SPACING AREA	SQ.M	0
ELECTRICAL SUBSTATION & SWITCHYARD	SQ.M	2600
SCADA / CONTROL BUILDING	SQ.M	1300
INTERNAL ACCESS ROADS	SQ.M	11700
CRANE PADS & LAYDOWN AREA	SQ.M	5200
CONSTRUCTION AREA	SQ.M	3900
TOTAL AREA FOR WIND POWER GENERATION	SQ.M / HECTARES / ACRES	24700 / 2.47 / 6.1
Land Requirement for BESS Plant		
BATTERY BLOCK AREA	SQ.M	7474.62
INVERTER SKIDS & TRANSFORMERS AREA	SQ.M	597.97
POWER CONVERSION SYSTEM AREA	SQ.M	896.96
AREA FOR ROADS AND OTHER INFRASTRUCTURE	SQ.M	3587.82
TOTAL AREA FOR BESS PLANT	SQ.M / HECTARES / ACRES	12557.37 / 1.26 / 3.1
Total Land Requirement for the Project		
TOTAL LAND REQUIREMENT FOR THE PROJECT	SQ.M / HECTARES / ACRES	285971.51 / 28.6 / 70.67
TOTAL PROJECT LAND COST		
ELECTROLYSER PLANT LAND COST	Million INR	0.5524
SOLAR POWER PLANT LAND COST	Million INR	7.1299
WIND POWER PLANT LAND COST	Million INR	0.7629
BESS PLANT LAND COST	Million INR	0.3879

TOTAL PROJECT LAND COST	Million INR	8.8331
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GREEN HYDROGEN GENERATION

Capex Estimate

Details	Unit	Data
ELECTROLYSER PLANT CAPEX ESTIMATION BREAK-UP		
Single Stack Rating	kW	1200
No of Stacks Provided	nos	9
Cost of Stack + packaged BOP per kW	INR/kW	25000
Cost of Stacks+packaged BoP	Million INR	270
Cost of Electrolyser Electrical System	Million INR	22.5
Cost of Water Treatment & Circulation	Million INR	9
Cost of Cooling System & Heat Rejection	Million INR	18
Cost of Hydrogen Handling	Million INR	13.5
Cost of Compression & Storage	Million INR	22.5
Cost of Safety Systems	Million INR	9
Cost of Civil + Buildings + Infrastructure	Million INR	18
Cost of Construction & Installation	Million INR	22.5
Cost of Project Management	Million INR	9
Cost of Engineering, Permitting & Studies	Million INR	9
Cost of EPC Management, HSE & QA/QC	Million INR	9
Cost of Testing, Commissioning & COD activities	Million INR	4.5
Cost of Insurance, Contingency & Spares	Million INR	13.5
ELECTROLYSER PLANT CAPEX	Million INR	450
ELECTROLYSER PLANT CAPEX PER KW	INR/kW	41667
SOLAR PV PLANT CAPEX ESTIMATION BREAK-UP		
PV Module Rated Power	Wp	550
PV Module Cost	INR/Wp	25
PV Module Total Quantity	nos	28670
Cost of Solar PV Modules	Million INR	394.2125
Cost of Mounting Structures/Trackers	Million INR	35.8375
Cost of Inverters	Million INR	43.005
Cost of DC+AC BOS & Electrical System	Million INR	50.1725
Cost of Civil & Site Works	Million INR	28.67
Cost of Grid Interconnection & Substation	Million INR	43.005
Cost of Construction & Installation	Million INR	35.8375
Cost of Project Management	Million INR	21.5025
Cost of Engineering, Permitting & Studies	Million INR	14.335
Cost of EPC Management, HSE & QA/QC	Million INR	14.335
Cost of Testing, Commissioning & COD activities	Million INR	7.1675
Cost of Insurance, Contingency & Spares	Million INR	28.67
SOLAR PV PLANT CAPEX	Million INR	716.75

SOLAR PV PLANT CAPEX PER KW	INR/kW	54547
WIND ENERGY GENERATOR PLANT CAPEX ESTIMATION BREAK-UP		
WEG Rated Power		2000
No of Wind Turbine Generators	Nos	13
Cost of Wind Energy Generator per kW	INR/kW	50000
Cost of Wind Energy Generator	Million INR	1300
Cost of WEG Electrical System	Million INR	173.3333
Cost of Civil & Site Works	Million INR	270.8333
Cost of Grid Interconnection & Substation	Million INR	130
Cost of Construction & Installation	Million INR	135.4167
Cost of Project Management	Million INR	43.3333
Cost of Engineering, Permitting & Studies	Million INR	43.3333
Cost of EPC Management, HSE & QA/QC	Million INR	21.6667
Cost of Testing, Commissioning & COD activities	Million INR	21.6667
Cost of Insurance, Contingency & Spares	Million INR	108.3333
WEG PLANT CAPEX	Million INR	2247.9167
WEG PLANT CAPEX PER KW	INR/kW	86458
BESS PLANT CAPEX ESTIMATION BREAK-UP		
BESS Load	KW	19570
BESS Plant Capacity	KWH	59797
Cost of Cost of Battery System per kWH	INR/kWH	10000
Cost of Battery system (containers + cells + racks)	Million INR	597.97
Cost of PCS/Electrical System	Million INR	265.7644
Cost of Balance of Plant	Million INR	199.3233
Cost of Civil & Site Works	Million INR	39.8647
Cost of Construction & Installation	Million INR	53.1529
Cost of Project Management	Million INR	39.8647
Cost of Engineering, Permitting & Studies	Million INR	26.5764
Cost of EPC Management, HSE & QA/QC	Million INR	26.5764
Cost of Testing, Commissioning & COD activities	Million INR	13.2882
Cost of Insurance, Contingency & Spares	Million INR	66.4411
BESS PLANT CAPEX	Million INR	1328.8222
BESS PLANT CAPEX PER KW	INR/kW	22222
TOTAL INVESTMENT (CAPEX)		
Electrolyser Plant	Million INR / %	450.00 / 9.07
Solar PV Plant	Million INR / %	716.75 / 14.45
Wind Energy Generator Plant	Million INR / %	2247.91 / 45.31
BESS PLANT	Million INR / %	1328.81 / 26.78
PV OF Stack Replacement Cost	Million INR / %	83.37 / 1.68
PV OF Battery Replacement Cost	Million INR / %	125.67 / 2.53
PROJECT LAND COST	Million INR / %	8.83 / 0.18

Total Investment (CAPEX)	Million INR / %	4961.34 / 100
PROJECT FINANCIALS		
Gross Project Cost excluding IDC	Million INR	4961.34
Capital Subsidy	Million INR	248.07
Net Project Cost excluding IDC	Million INR	4713.27
Equity	%	30
Debt	%	70
Equity Capital Cost	Million INR	1452.10
Borrowed Capital Cost	Million INR	3388.23
Project Schedule for the Plant	Months	9
Interest During Construction(IDC)	Million INR	127.06
Total Borrowing	Million INR	3515.29
Net Project Cost including IDC	Million INR	4840.33
Total Project Cost	Million INR	4840.33
Installed Cost of Green Hydrogen Plant	INR/kW	484033

GREEN HYDROGEN GENERATION

Carbon Footprint

Details	Unit	Data
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline		Grey H2 from SMR
Baseline Emissions Factor for Grey H ₂ (SMR)	kg CO ₂ e/kg H ₂	10.5
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.45
Project Lifecycle Intensity Emissions	kg CO ₂ e/kg H ₂	1.58
Emission Reduction per kg of H ₂ generation	kg CO ₂ e/kg H ₂	8.92
Annual Emission Reduction by H ₂ generation	kg CO ₂ e/year	12385744.6
Annual Emission Reduction by Excess Green Power Export	kg CO ₂ e/year	11147516.55
Annual Total Emission Reduction from the Project	kg CO ₂ e/year	23533261.15
Annual Total Emission Reduction from the Project	tons of CO ₂ e/year	23533.26
Carbon Credit Market/Standard		Verra VCS
Market Price for Carbon Credit for avoidance Project	USD/tons of CO ₂ e	20
Annual additional revenue from Carbon Credit	INR	43180295.69
GREENHOUSE GAS EQUIVALENCIES		
Petrol consumption for passenger cars for one year	No of Petrol Cars	5483
Electricity for passenger electric cars for one year	No of Electric Cars	20780
Equivalent to Coal burning	kgs	11860764
Equivalent to Oil consumption	barrels	54127
Equivalent to Petrol consumption	litres	10072236
Equivalent to Diesel consumption	litres	8754373
Equivalent to carbon sequestered by tree seedlings grown for 10 years	No of trees	388299

GREEN HYDROGEN GENERATION

Key Results

Details	Unit	Data
SITE AMBIENT,SOLAR AND WIND DATA		
PROJECT NAME		Coastal
SITE LOCATION		India
SITE LATITUDE	(+ = North & - = South hemisphere)	10.234054
SITE LONGITUDE	(+ = East & - = West of Greenwich meridian)	79.638906
SITE ELEVATION	meters above Mean Sea Level	0
GRID ELEVATION	meters above Mean Sea Level	11.35
MEAN AMBIENT TEMPERATURE	°C	28.91
MAXIMUM AMBIENT TEMPERATURE	°C	35.67
MINIMUM AMBIENT TEMPERATURE	°C	22.54
MEAN PRECIPITATION	mm/hr	3.23
MAXIMUM PRECIPITATION	mm/hr	249.01
MINIMUM PRECIPITATION	mm/hr	0
MEAN AIR DENSITY	kg/m ³	1.153
MAXIMUM AIR DENSITY	kg/m ³	1.18
MINIMUM AIR DENSITY	kg/m ³	1.12
MEAN WIND SPEED @ 10M	m/s	4.85
MAXIMUM WIND SPEED @ 10M	m/s	12.15
MINIMUM WIND SPEED @ 10M	m/s	0.12
MEAN WIND SPEED @ 50M	m/s	5.95
MAXIMUM WIND SPEED @ 50M	m/s	14.69
MINIMUM WIND SPEED @ 50M	m/s	0.18
MEAN RELATIVE HUMIDITY	%	75.81
MAXIMUM RELATIVE HUMIDITY	%	96.04
MINIMUM RELATIVE HUMIDITY	%	36.52
MEAN AMBIENT PRESSURE	kPa	100.77
MAXIMUM AMBIENT PRESSURE	kPa	101.71
MINIMUM AMBIENT PRESSURE	kPa	99.87
MEAN DIRECT NORMAL IRRADIANCE (DNI)	W/m ²	131.53
MAXIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m ²	1090.27
MINIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m ²	0
MEAN DIRECT HORIZONTAL IRRADIANCE (DHI)	W/m ²	104
MAXIMUM HORIZONTAL IRRADIANCE (DHI)	W/m ²	501.66
MINIMUM HORIZONTAL IRRADIANCE (DHI)	W/m ²	0
DATA ANALYSIS RESULTS		
AVERAGE ALPHA		0.124
SITE TERRAIN		Offshore/Coastal

AVERAGE COEFFICIENT OF PERFORMANCE		0.392
50 YEAR RETURN WIND SPEED @ HUB HEIGHT	m/s	24.84
TURBULANCE INTENSITY @ 15m/s WIND SPEED		0.027
IEC WIND CLASS		IV
IEC WIND SITE CLASSIFICATION		Very Low Wind Site
IEC TURBULANCE CLASS		C
IEC TURBULANCE CLASSIFICATION		Low turbulence
MAXIMUM WIND SPEED @ HUB HEIGHT	m/s	16.01
AVERAGE WIND SPEED @ HUB HEIGHT	m/s	6.54
MINIMUM WIND SPEED @ HUB HEIGHT	m/s	0.22
MAXIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	1463.12
AVERAGE GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	198.62
MINIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	0
PLANT CAPACITIES AND OUTPUT GENERATION		
SOLAR PV PLANT CAPACITY	KW	13140
WIND TURBINE PLANT CAPACITY	KW	26000
BESS PLANT CAPACITY	KWH	59797
ANNUAL GREEN HYDROGEN PRODUCTION	KG / MT	1388520 / 1388.52
EXCESS GREEN POWER FOR SALE	MKWH	24.77
ANNUAL OXYGEN PRODUCTION(Vented to atmosphere)	KG / MT	11108160 / 11108.16
PLANT LOAD FACTOR ACHIEVED		
ELECTROLYSER PLANT	%	75.91
SOLAR PV PLANT	%	16.91
ON SHORE WIND TURBINE	%	34.96
BESS	%	1.83
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Annual Emission Reduction by H ₂ generation	tons of CO ₂ e/year	12385.74
Annual Emission Reduction by Excess Green Power Export	tons of CO ₂ e/year	11147.52
Annual Total Emission Reduction from the Project	tons of CO ₂ e/year	23533.26
PROJECT INVESTMENT		
TOTAL PROJECT COST	Million INR	4840.33
TOTAL PROJECT COST IN USD	Million USD	52.76
PROJECT COST PER KW	INR/KW	484033
LEVELAISED COST OF GENERATION		
GREEN HYDROGEN	INR/KG	429.72
GREEN HYDROGEN PRICE IN \$ PER MMBTU	USD/MMBTU	40.84
GREEN HYDROGEN IN USD	USD/KG	4.68
OWN SOLAR POWER	INR/KWH	5.9967
OWN WIND POWER	INR/KWH	4.5569
EXCESS GREEN POWER	INR/KWH	8.0958
SALE PRICE WITHOUT ESCALATION		

GREEN HYDROGEN	INR/KG	425.00
EXCESS GREEN POWER	INR/KWH	7.50
PROJECT ECONOMICS		
AVERAGE DSCR		1.280
MINIMUM DSCR		0.913
PROJECT IRR	%	11.45
PROJECT NPV	Million INR	988.333
PROJECT PAY BACK PERIOD	YEARS	8.73
EQUITY IRR	%	29.87
EQUITY NPV	Million INR	2243.529
EQUITY PAY BACK PERIOD	YEARS	3.35

GREEN HYDROGEN GENERATION

ESTIMATED GENERATION AND POWER BALANCE

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
ELECTROLYSER PLANT																					
CAPACITY	MW	10.000	9.995	9.990	9.985	9.980	9.975	9.970	9.965	9.960	9.955	9.950	9.945	9.940	9.935	9.930	9.925	9.920	9.915	9.910	9.905
OPERATING HOURS	HR	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668	6668
GROSS GENERATION	KG	1388520	1387894	1387200	1386505	1385811	1385117	1384422	1383728	1383034	1382339	1381645	1380951	1380257	1379562	1378868	1378174	1377479	1376785	1376091	1375397
POWER CONSUMED	MKWHR	73.344	73.311	73.275	73.238	73.201	73.165	73.128	73.091	73.055	73.018	72.981	72.945	72.908	72.871	72.835	72.798	72.761	72.725	72.688	72.651
AUXILIARY POWER	MKWHR	7.334	7.331	7.328	7.324	7.320	7.317	7.313	7.309	7.306	7.302	7.298	7.295	7.291	7.287	7.284	7.280	7.276	7.273	7.269	7.265
SOLAR PV PLANT (OWN GENERATION)																					
CAPACITY	MW	13.140	13.131	13.122	13.113	13.104	13.095	13.086	13.077	13.068	13.059	13.050	13.041	13.032	13.023	13.014	13.005	12.996	12.987	12.978	12.969
OPERATING HOURS	HR	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501	1485.501
GROSS GENERATION	MKWHR	19.519	19.506	19.493	19.479	19.466	19.453	19.439	19.426	19.413	19.399	19.386	19.372	19.359	19.346	19.332	19.319	19.306	19.292	19.279	19.265
AUXILIARY CONSUMPTION	MKWHR	0.195	0.195	0.195	0.195	0.195	0.195	0.194	0.194	0.194	0.194	0.194	0.194	0.194	0.193	0.193	0.193	0.193	0.193	0.193	0.193
TRANSMISSION LOSS	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NET GENERATION	MKWHR	19.324	19.311	19.298	19.284	19.271	19.258	19.245	19.232	19.219	19.205	19.192	19.178	19.165	19.153	19.139	19.126	19.113	19.099	19.086	19.072
WIND TURBINE (OWN GENERATION)																					
CAPACITY	MW	26.000	25.995	25.990	25.985	25.980	25.975	25.970	25.965	25.960	25.955	25.950	25.945	25.940	25.935	25.930	25.925	25.920	25.915	25.910	25.905
OPERATING HOURS	HR	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071	3071
GROSS GENERATION	MKWHR	79.846	79.831	79.815	79.800	79.785	79.769	79.754	79.739	79.723	79.708	79.692	79.677	79.662	79.646	79.631	79.616	79.600	79.585	79.570	79.554
AUXILIARY CONSUMPTION	MKWHR	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
TRANSMISSION LOSS	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NET GENERATION	MKWHR	79.447	79.432	79.416	79.401	79.386	79.370	79.355	79.340	79.324	79.309	79.294	79.279	79.264	79.248	79.233	79.218	79.202	79.187	79.172	79.156
TOTAL OWN GENERATION																					
TOTAL OWN GENERATION	MKWHR	98.771	98.743	98.714	98.685	98.657	98.628	98.600	98.572	98.543	98.514	98.486	98.457	98.429	98.401	98.372	98.344	98.315	98.286	98.258	98.228
BATTERY ENERGY STORAGE SYSTEM (BESS) PLANT																					
CAPACITY	MWH	59.797	59.014	58.232	57.449	56.666	55.883	55.101	54.318	53.535	52.752	51.970	51.187	50.404	49.621	59.797	59.014	58.232	57.449	56.666	55.883
OPERATING LOAD	MW	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570	19.570
OPERATING HOURS	HR	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
BESS NET CONSUMPTION	MKWHR	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131	3.131
AUXILIARY POWER	MKWHR	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
ADDITIONAL HYDROGEN GENERATION WITH BESS	KG	58682	58653	58624	58595	58566	58537	58508	58479	58450	58421	58392	58363	58334	58305	58276	58247	58218	58189	58160	58131
HYDROGEN GENERATION W/O BESS	KG	1329838	1329241	1328576	1327910	1327245	1326580	1325914	1325249	1324584	1323918	1323253	1322588	1321923	1321257	1320592	1319927	1319261	1318596	1317931	1317266
TOTAL HYDROGEN GENERATION	KG	1388520	1387894	1387200	1386505	1385811	1385117	1384422	1383728	1383034	1382339	1381645	1380951	1380257	1379562	1378868	1378174	1377479	1376785	1376091	1375397
GRID POWER PURCHASED																					
SOLAR POWER		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WIND POWER	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL PURCHASED POWER	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
POWER BALANCE																					

TOTAL POWER (OWN+PURCHASED)	MKWHR	98.771	98.743	98.714	98.685	98.657	98.628	98.600	98.572	98.543	98.514	98.486	98.457	98.429	98.401	98.372	98.344	98.315	98.286	98.258	98.228
POWER CONSUMED IN ELECTROLYSER	MKWHR	70.245	70.213	70.178	70.143	70.108	70.073	70.037	70.002	69.967	69.932	69.897	69.862	69.827	69.791	69.756	69.721	69.686	69.651	69.616	69.581
BESS GROSS CONSUMPTION	MKWHR	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444
EXCESS GREEN POWER AVAILABLE FOR SALES	MKWHR	25.082	25.086	25.092	25.098	25.105	25.111	25.119	25.126	25.132	25.138	25.145	25.151	25.158	25.166	25.172	25.179	25.185	25.191	25.198	25.203
AUXILIARY POWER & OTHER LOSSES																					
ELECTROLYSER	MKWHR	7.334	7.331	7.328	7.324	7.320	7.317	7.313	7.309	7.306	7.302	7.298	7.295	7.291	7.287	7.284	7.280	7.276	7.273	7.269	7.265
SOLAR POWER	MKWHR	0.195	0.195	0.195	0.195	0.195	0.195	0.194	0.194	0.194	0.194	0.194	0.194	0.194	0.193	0.193	0.193	0.193	0.193	0.193	0.193
WIND POWER	MKWHR	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
BESS	MKWHR	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
TOTAL AUXILIARY POWER & OTHER LOSSES	MKWHR	8.241	8.238	8.235	8.231	8.227	8.224	8.219	8.215	8.212	8.208	8.203	8.200	8.196	8.191	8.188	8.184	8.180	8.177	8.173	8.169

GREEN HYDROGEN GENERATION

FIXED ASSETS, WORKING CAPITAL AND DEBT

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
NET FIXED ASSETS																					
GROSS FIXED ASSETS OPENING	Million INR	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	5020.330	5020.330	5020.330	5020.330	5020.330	5418.973	5418.973	5418.973	5418.973	5418.973
ADD:STACK REPLACEMENT	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	180.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ADD:BATTERY REPLACEMENT	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	398.643	0.000	0.000	0.000	0.000	0.000
GROSS FIXED ASSETS CLOSSING	Million INR	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	4840.330	5020.330	5020.330	5020.330	5020.330	5020.330	5418.973	5418.973	5418.973	5418.973	5418.973	5418.973
DEPRECIATION:INITIAL	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815
DEPRECIATION:STACK	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.364	18.000	20.000	22.500	25.714	30.000	36.000	45.000	60.000	90.000	180.000
DEPRECIATION:BATTERY	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.441	79.729	99.661	132.881	199.322	398.643
TOTAL DEPRECIATION	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	234.179	235.815	237.815	240.315	243.529	314.256	333.544	362.476	410.696	507.137	796.458
CUMULATIVE DEPRECIATION	Million INR	217.815	435.630	653.445	871.260	1089.075	1306.890	1524.705	1742.520	1960.335	2194.514	2430.329	2668.144	2908.459	3151.988	3466.244	3799.788	4162.264	4572.960	5080.097	5876.555
NET FIXED ASSETS	Million INR	4622.515	4404.700	4186.885	3969.070	3751.255	3533.440	3315.625	3097.810	2879.995	2825.816	2590.001	2352.186	2111.871	1868.342	1952.729	1619.185	1256.709	846.013	338.876	-457.582
WORKING CAPITAL																					
TOTAL REVENUE	Million INR	796.716	812.849	829.225	846.107	863.269	880.690	898.669	916.911	935.445	954.253	973.640	993.569	1013.579	1034.167	1055.322	1076.557	1098.634	1120.808	1143.600	1166.989
RECEIVABLES	Million INR	66.393	67.737	69.102	70.509	71.939	73.391	74.889	76.409	77.954	79.521	81.137	82.797	84.465	86.181	87.944	89.713	91.553	93.401	95.300	97.249
SPARES	Million INR	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403
O&M TIED UP	Million INR	20.826	21.854	22.937	24.075	25.273	26.533	27.860	29.255	30.724	32.270	33.897	35.610	37.412	39.310	41.307	43.410	45.624	47.955	50.409	52.993
WORKING CAPITAL REQUIREMENT	Million INR	135.622	137.994	140.442	142.987	145.615	148.327	151.152	154.067	157.081	160.194	163.437	166.810	170.280	173.894	177.654	181.526	185.580	189.759	194.112	198.645
WORKING CAPITAL LOAN LESS MARGIN	Million INR	101.717	103.496	105.332	107.240	109.211	111.245	113.364	115.550	117.811	120.146	122.578	125.108	127.710	130.421	133.241	136.145	139.185	142.319	145.584	148.984
Δ WORING CAPITAL REQUIREMENT	Million INR	135.622	2.372	2.448	2.545	2.628	2.712	2.825	2.915	3.014	3.113	3.243	3.373	3.470	3.614	3.760	3.872	4.054	4.179	4.353	4.533
Δ WORING CAPITAL LOAN	Million INR	101.717	1.779	1.836	1.908	1.971	2.034	2.119	2.186	2.261	2.335	2.432	2.530	2.602	2.711	2.820	2.904	3.040	3.134	3.265	3.400
DEBT																					
TERM LOAN OPENING	Million INR	3515.290	3515.290	3515.290	3163.761	2812.232	2460.703	2109.174	1757.645	1406.116	1054.587	703.058	351.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TERM LOAN REPAYMENT	Million INR	0.000	0.000	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TERM LOAN CLOSING	Million INR	3515.290	3515.290	3163.761	2812.232	2460.703	2109.174	1757.645	1406.116	1054.587	703.058	351.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON TERM LOAN	Million INR	246.070	246.070	246.070	221.463	196.856	172.249	147.642	123.035	98.428	73.821	49.214	24.607	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WORKING CAPITAL LOAN	Million INR	101.717	103.496	105.332	107.240	109.211	111.245	113.364	115.550	117.811	120.146	122.578	125.108	127.710	130.421	133.241	136.145	139.185	142.319	145.584	148.984
INTEREST ON WORKING CAPITAL LOAN	Million INR	7.120	7.245	7.373	7.507	7.645	7.787	7.935	8.089	8.247	8.410	8.580	8.758	8.940	9.129	9.327	9.530	9.743	9.962	10.191	10.429

GREEN HYDROGEN GENERATION

ESTIMATION OF LEVELISED COST OF GENERATION

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
POWER PURCHASE COST																					
SOLAR POWER PURCHASE COST	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WIND POWER PURCHASE COST	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL POWER PURCHASE COST	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WATER COST																					
WATER COST	Million INR	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833
INTEREST ON TERM LOAN																					
INTEREST ON TERM LOAN	Million INR	246.070	246.070	246.070	221.463	196.856	172.249	147.642	123.035	98.428	73.821	49.214	24.607	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BOOK DEPRECIATION																					
OPENING VALUE	Million INR	4840.330	4622.515	4404.700	4186.885	3969.070	3751.255	3533.440	3315.625	3097.810	2879.995	2645.816	2410.001	2172.186	1931.871	1688.342	1374.086	1040.542	678.066	267.370	-239.767
BOOK DEPRECIATION	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	234.179	235.815	237.815	240.315	243.529	314.256	333.544	362.476	410.696	507.137	796.458
CLOSING VALUE	Million INR	4622.515	4404.700	4186.885	3969.070	3751.255	3533.440	3315.625	3097.810	2879.995	2645.816	2410.001	2172.186	1931.871	1688.342	1374.086	1040.542	678.066	267.370	-239.767	-1036.225
CUMULATIVE DEPRECIATION	Million INR	217.815	435.630	653.445	871.260	1089.075	1306.890	1524.705	1742.520	1960.335	2194.514	2430.329	2668.144	2908.459	3151.988	3466.244	3799.788	4162.264	4572.960	5080.097	5876.555
O & M EXPENSES																					
O & M EXPENSES	Million INR	242.017	254.359	267.345	281.007	295.382	310.507	326.423	343.172	360.798	379.348	398.872	419.422	441.053	463.822	487.791	513.025	539.591	567.561	597.012	628.022
SOLAR PV MODULE REPLACEMENT COST																					
NO OF PV MODULES FOR REPLACEMENT	NOS	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574	574
PV MODULE UNIT COST	INR	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000	13750.000
SOLAR PV MODULE REPLACEMENT COST	Million INR	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893
RETURN ON EQUITY																					
RETURN ON EQUITY	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON WORKING CAPITAL																					
WORKING CAPITAL	Million INR	135.622	137.994	140.442	142.987	145.615	148.327	151.152	154.067	157.081	160.194	163.437	166.810	170.280	173.894	177.654	181.526	185.580	189.759	194.112	198.645
INTEREST ON WORKING CAPITAL	Million INR	7.120	7.245	7.373	7.507	7.645	7.787	7.935	8.089	8.247	8.410	8.580	8.758	8.940	9.129	9.327	9.530	9.743	9.962	10.191	10.429
INCOME TAX																					
INCOME TAX	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.257	55.195	61.253	71.121	80.428	89.107	91.882	85.416	88.038	90.196	91.746	92.816	93.414
TOTAL COST OF GENERATION																					

TOTAL COST OF GENERATION	Million INR	721.748	734.215	747.329	736.518	726.424	717.084	708.541	709.094	749.209	765.737	772.328	779.756	788.141	817.088	905.516	952.863	1010.732	1088.691	1215.882	1537.049
LEVELIZED COST OF GENERATION (LCOG)																					
DISCOUNTING FACTOR		1.00	0.93	0.86	0.79	0.74	0.68	0.63	0.58	0.54	0.50	0.46	0.43	0.40	0.37	0.34	0.32	0.29	0.27	0.25	0.23
LCOG - GREEN HYDROGEN																					
COST OF GENERATION	INR/KG	387.80	394.62	401.79	396.11	390.80	385.90	381.41	381.83	403.56	412.59	416.27	420.41	425.06	440.81	488.67	514.38	545.79	588.08	656.99	830.80
DISCOUNTED COST OF GENERATION	INR/KG	387.80	367.00	345.54	312.93	289.19	262.41	240.29	221.46	217.92	206.30	191.48	180.78	170.02	163.10	166.15	164.60	158.28	158.78	164.25	191.08
LEVELIZED COST OF GENERATION (LCOG)	INR/KG	429.72																			
LCOG - SOLAR POWER (OWN USE)																					
COST OF GENERATION	INR/KWH	5.3958	5.4927	5.5946	5.5177	5.4457	5.3793	5.3188	5.3266	5.6317	5.7602	5.8137	5.8739	5.9411	6.1631	6.8351	7.1974	7.6397	8.2350	9.2033	11.6429
DISCOUNTED COST OF GENERATION	INR/KWH	5.3958	5.1082	4.8114	4.3590	4.0298	3.6579	3.3508	3.0894	3.0411	2.8801	2.6743	2.5258	2.3764	2.2803	2.3239	2.3032	2.2155	2.2235	2.3008	2.6779
LEVELIZED COST OF GENERATION (LCOG)	INR/KWH	5.9967																			
LCOG - WIND POWER (OWN USE)																					
COST OF GENERATION	INR/KWH	4.1161	4.1880	4.2637	4.2028	4.1460	4.0935	4.0455	4.0494	4.2794	4.3746	4.4131	4.4564	4.5051	4.6715	5.1781	5.4499	5.7820	6.2292	6.9582	8.7980
DISCOUNTED COST OF GENERATION	INR/KWH	4.1161	3.8948	3.6668	3.3202	3.0680	2.7836	2.5487	2.3487	2.3109	2.1873	2.0300	1.9163	1.8020	1.7285	1.7606	1.7440	1.6768	1.6819	1.7396	2.0235
LEVELIZED COST OF GENERATION (LCOG)	INR/KWH	4.5569																			
LCOG - EXCESS GREEN POWER GENERATION FOR SALE																					
COST OF GENERATION	INR/KWH	7.3073	7.4356	7.5706	7.4633	7.3631	7.2706	7.1860	7.1937	7.6029	7.7729	7.8420	7.9198	8.0072	8.3037	9.2050	9.6891	10.2805	11.0768	12.3744	15.6478
DISCOUNTED COST OF GENERATION	INR/KWH	7.3073	6.9151	6.5107	5.8960	5.4487	4.9440	4.5272	4.1723	4.1056	3.8865	3.6073	3.4055	3.2029	3.0724	3.1297	3.1005	2.9813	2.9907	3.0936	3.5990
LEVELIZED COST OF GENERATION (LCOG)	INR/KWH	8.0958																			

GREEN HYDROGEN GENERATION

ESTIMATION OF REVENUE GENERATION

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
PROJECTED REVENUE																					
REVENUE FROM SALE OF GREEN HYDROGEN																					
GREEN HYDROGEN GENERATION	KG	1329838	1329241	1328576	1327910	1327245	1326580	1325914	1325249	1324584	1323918	1323253	1322588	1321923	1321257	1320592	1319927	1319261	1318596	1317931	1317266
GREEN HYDROGEN SALE PRICE	INR/KG	425.00	433.50	442.17	451.01	460.03	469.23	478.62	488.19	497.96	507.91	518.07	528.43	539.00	549.78	560.78	571.99	583.43	595.10	607.00	619.14
REVENUE FROM SALE OF GREEN HYDROGEN	Million INR	565.181	576.226	587.456	598.901	610.573	622.471	634.609	646.973	659.590	672.431	685.538	698.895	712.516	726.401	740.562	754.985	769.696	784.696	799.984	815.572
REVENUE FROM SALE OF EXCESS GREEN POWER																					
EXCESS GREEN POWER AVAILABLE FOR SALES	MKWHR	25.082	25.086	25.092	25.098	25.105	25.111	25.119	25.126	25.132	25.138	25.145	25.151	25.158	25.166	25.172	25.179	25.185	25.191	25.198	25.203
EXCESS GREEN POWER SALE PRICE	INR/KWH	7.50	7.65	7.80	7.96	8.12	8.28	8.45	8.62	8.79	8.96	9.14	9.33	9.51	9.70	9.90	10.09	10.30	10.50	10.71	10.93
REVENUE FROM SALE OF EXCESS GREEN POWER	Million INR	188.115	191.908	195.718	199.780	203.853	207.919	212.256	216.586	220.910	225.236	229.825	234.659	239.253	244.110	249.203	254.056	259.406	264.506	269.871	275.469
REVENUE FROM SALE OF CARBON CREDIT																					
ANNUAL TOTAL EMISSION REDUCTION FROM THE PROJECT	tCO ₂ e/year	23664	23660	23657	23654	23651	23647	23645	23642	23639	23636	23633	23629	23627	23624	23621	23618	23615	23611	23608	23605
CARBON CREDIT SALE PRICE	INR/tCO ₂ e	1834.86	1889.91	1946.61	2005.00	2065.15	2127.11	2190.92	2256.65	2324.35	2394.08	2465.90	2539.88	2616.08	2694.56	2775.39	2858.66	2944.42	3032.75	3123.73	3217.44
REVENUE FROM SALE OF CARBON CREDIT	Million INR	43.420	44.715	46.051	47.426	48.843	50.300	51.804	53.352	54.945	56.586	58.277	60.015	61.810	63.656	65.557	67.516	69.532	71.606	73.745	75.948
RE GENERATION BASED INCENTIVE (GBI)																					
RE GBI RATE	INR/KWH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE FROM RE GENERATION BASED INCENTIVE (GBI)	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
H₂ GENERATION BASED INCENTIVE (GBI)																					
H ₂ GBI RATE	INR/kgH ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE FROM H ₂ GENERATION BASED INCENTIVE (GBI)	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE LOSS DUE TO CURTAILMENT / LOSSES FROM SALE OF EXCESS GREEN POWER																					
CURTAILMENT / LOSSES	%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE LOSS DUE TO CURTAILMENT / LOSSES	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL REVENUE GENERATION																					
TOTAL REVENUE GENERATION	Million INR	796.716	812.849	829.225	846.107	863.269	880.690	898.669	916.911	935.445	954.253	973.640	993.569	1013.579	1034.167	1055.322	1076.557	1098.634	1120.808	1143.600	1166.989

GREEN HYDROGEN GENERATION

PROJECTED PROFITABILITY STATEMENT

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
EARNINGS BEFORE INTEREST TAX DEPRECIATION AMORTIZATION (EBITDA)																					
TOTAL REVENUE	Million INR	796.716	812.849	829.225	846.107	863.269	880.690	898.669	916.911	935.445	954.253	973.640	993.569	1013.579	1034.167	1055.322	1076.557	1098.634	1120.808	1143.600	1166.989
POWER PURCHASE COST	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WATER COST	Million INR	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833
O&M EXPENSES	Million INR	242.017	254.359	267.345	281.007	295.382	310.507	326.423	343.172	360.798	379.348	398.872	419.422	441.053	463.822	487.791	513.025	539.591	567.561	597.012	628.022
PV MODULE REPLACEMENT COST	Million INR	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893	7.893
EBITDA	Million INR	545.973	549.764	553.154	556.374	559.161	561.457	563.520	565.013	565.921	566.179	566.042	565.421	563.800	561.619	558.805	554.806	550.317	544.521	537.862	530.241
EARNINGS BEFORE INTEREST TAXES (EBIT)																					
BOOK DEPRECIATION	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	234.179	235.815	237.815	240.315	243.529	314.256	333.544	362.476	410.696	507.137	796.458
EBIT	Million INR	328.158	331.949	335.339	338.559	341.346	343.642	345.705	347.198	348.106	332.000	330.227	327.606	323.485	318.090	244.549	221.262	187.841	133.825	30.725	-266.217
PROFIT BEFORE TAX (PBT)																					
INTEREST ON TERM LOAN	Million INR	246.070	246.070	246.070	221.463	196.856	172.249	147.642	123.035	98.428	73.821	49.214	24.607	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON WORKING CAPITAL	Million INR	7.120	7.245	7.373	7.507	7.645	7.787	7.935	8.089	8.247	8.410	8.580	8.758	8.940	9.129	9.327	9.530	9.743	9.962	10.191	10.429
PBT	Million INR	74.968	78.634	81.896	109.589	136.845	163.606	190.128	216.074	241.431	249.769	272.433	294.241	314.545	308.961	235.222	211.732	178.098	123.863	20.534	-276.646
PROFIT AFTER TAX (PAT)																					
OPENING VALUE	Million INR	4840.330	4356.297	3920.667	3528.600	3175.740	2858.166	2572.349	2315.114	2083.603	2055.243	1849.719	1664.747	1498.272	1348.445	1612.243	1451.019	1305.917	1175.325	1057.792	952.013
TAX DEPRECIATION	Million INR	484.033	435.630	392.067	352.860	317.574	285.817	257.235	231.511	208.360	205.524	184.972	166.475	149.827	134.845	161.224	145.102	130.592	117.533	105.779	95.201
CLOSING VALUE	Million INR	4356.297	3920.667	3528.600	3175.740	2858.166	2572.349	2315.114	2083.603	1875.243	1849.719	1664.747	1498.272	1348.445	1213.600	1451.019	1305.917	1175.325	1057.792	952.013	856.812
CUMULATIVE DEPRECIATION	Million INR	4356.297	4791.927	5183.994	5536.854	5854.428	6140.245	6397.480	6628.991	6837.351	7042.875	7227.847	7394.322	7544.149	7678.994	7840.218	7985.320	8115.912	8233.445	8339.224	8434.425
TAXABLE INCOME (AFTER LOSS (CF))	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.533	250.886	278.424	323.276	365.581	405.033	417.645	388.254	400.174	409.982	417.026	421.892	424.611
LOSS CARRIED FORWARD (CF)	Million INR	191.250	330.431	422.787	448.243	411.157	315.553	164.845	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TAX	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.257	55.195	61.253	71.121	80.428	89.107	91.882	85.416	88.038	90.196	91.746	92.816	93.414
PAT	Million INR	74.968	78.634	81.896	109.589	136.845	163.606	190.128	207.817	186.236	188.516	201.312	213.813	225.438	217.079	149.806	123.694	87.902	32.117	-72.282	-370.060
NET CASH ACCRUAL																					
NET CASH ACCRUAL	Million INR	292.783	296.449	299.711	327.404	354.660	381.421	407.943	425.632	404.051	422.695	437.127	451.628	465.753	460.608	464.062	457.238	450.378	442.813	434.855	426.398
CUMULATIVE CASH ACCRUAL	Million INR	0.000	296.449	596.160	923.564	1278.224	1659.645	2067.588	2493.220	2897.271	3319.966	3757.093	4208.721	4674.474	5135.082	5599.144	6056.382	6506.760	6949.573	7384.428	7810.826

GREEN HYDROGEN GENERATION

PROJECTED CASH FLOW STATEMENT

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
OPERATING CASH FLOW																					
PAT	Million INR	74.968	78.634	81.896	109.589	136.845	163.606	190.128	207.817	186.236	188.516	201.312	213.813	225.438	217.079	149.806	123.694	87.902	32.117	-72.282	-370.060
ADD:BOOK DEPRECIATION	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	234.179	235.815	237.815	240.315	243.529	314.256	333.544	362.476	410.696	507.137	796.458
LESS:Δ WORKING CAPITAL REQUIREMENT	Million INR	-135.622	-2.372	-2.448	-2.545	-2.628	-2.712	-2.825	-2.915	-3.014	-3.113	-3.243	-3.373	-3.470	-3.614	-3.760	-3.872	-4.054	-4.179	-4.353	-4.533
OPERATING CASH FLOW	Million INR	157.161	294.077	297.263	324.859	352.032	378.709	405.118	422.717	401.037	419.582	433.884	448.255	462.283	456.994	460.302	453.366	446.324	438.634	430.502	421.865
INVESTING CASH FLOW																					
SUBSIDY RECEIPT	Million INR	248.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH RESERVE FOR FUTURE INVESTMENT	Million INR	209.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CAPEX STACK REPLACEMENT	Million INR	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-180.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
CAPEX BATTERY REPLACEMENT	Million INR	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-398.643	-0.000	-0.000	-0.000	-0.000	-0.000
INVESTING CASH FLOW	Million INR	457.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-180.000	0.000	0.000	0.000	0.000	-398.643	0.000	0.000	0.000	0.000	0.000
FINANCING CASH FLOW																					
INTEREST DURING CONSTRUCTION	Million INR	127.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Δ WORKING CAPITAL LOAN	Million INR	101.717	1.779	1.836	1.908	1.971	2.034	2.119	2.186	2.261	2.335	2.432	2.530	2.602	2.711	2.820	2.904	3.040	3.134	3.265	3.400
TERM LOAN REPAYMENT	Million INR	-0.000	-0.000	-351.529	-351.529	-351.529	-351.529	-351.529	-351.529	-351.529	-351.529	-351.529	-351.529	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
FINANCING CASH FLOW	Million INR	228.777	1.779	-349.693	-349.621	-349.558	-349.495	-349.410	-349.343	-349.268	-349.194	-349.097	-348.999	2.602	2.711	2.820	2.904	3.040	3.134	3.265	3.400
NET CASH MOVEMENT																					
NET CASH MOVEMENT	Million INR	843.048	295.856	-52.430	-24.762	2.474	29.214	55.708	73.374	51.769	-109.612	84.787	99.256	464.885	459.705	64.479	456.270	449.364	441.768	433.767	425.265
CASH BALANCE																					
OPENING CASH BALANCE	Million INR	0.000	843.048	1138.904	1086.474	1061.712	1064.186	1093.400	1149.108	1222.482	1274.251	1164.639	1249.426	1348.682	1813.567	2273.272	2337.751	2794.021	3243.385	3685.153	4118.920
CLOSING CASH BALANCE	Million INR	843.048	1138.904	1086.474	1061.712	1064.186	1093.400	1149.108	1222.482	1274.251	1164.639	1249.426	1348.682	1813.567	2273.272	2337.751	2794.021	3243.385	3685.153	4118.920	4544.185

GREEN HYDROGEN GENERATION**PROJECTED BALANCE SHEET**

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
LIABILITY & EQUITY																					
SHARE CAPITAL - EQUITY	Million INR	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100	1452.100
RETAINED EARNINGS	Million INR	74.968	153.602	235.498	345.087	481.932	645.538	835.666	1043.483	1229.719	1418.235	1619.547	1833.360	2058.798	2275.877	2425.683	2549.377	2637.279	2669.396	2597.114	2227.054
CASH RESERVE FOR FUTURE INVESTMENT	Million INR	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040	209.040
CAPITAL SUBSIDY RESERVE	Million INR	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070	248.070
TERM LOAN	Million INR	3515.290	3515.290	3163.761	2812.232	2460.703	2109.174	1757.645	1406.116	1054.587	703.058	351.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WORKING CAPITAL LOAN	Million INR	101.717	103.496	105.332	107.240	109.211	111.245	113.364	115.550	117.811	120.146	122.578	125.108	127.710	130.421	133.241	136.145	139.185	142.319	145.584	148.984
TOTAL LIABILITY & EQUITY	Million INR	5601.185	5681.598	5413.801	5173.769	4961.056	4775.167	4615.885	4474.359	4311.327	4150.649	4002.864	3867.678	4095.718	4315.508	4468.134	4594.732	4685.674	4720.925	4651.908	4285.248
ASSETS																					
NET FIXED ASSETS	Million INR	4622.515	4404.700	4186.885	3969.070	3751.255	3533.440	3315.625	3097.810	2879.995	2825.816	2590.001	2352.186	2111.871	1868.342	1952.729	1619.185	1256.709	846.013	338.876	-457.582
RECEIVABLES	Million INR	66.393	67.737	69.102	70.509	71.939	73.391	74.889	76.409	77.954	79.521	81.137	82.797	84.465	86.181	87.944	89.713	91.553	93.401	95.300	97.249
SPARES	Million INR	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403	48.403
O&M TIED UP	Million INR	20.826	21.854	22.937	24.075	25.273	26.533	27.860	29.255	30.724	32.270	33.897	35.610	37.412	39.310	41.307	43.410	45.624	47.955	50.409	52.993
CASH BALANCE	Million INR	843.048	1138.904	1086.474	1061.712	1064.186	1093.400	1149.108	1222.482	1274.251	1164.639	1249.426	1348.682	1813.567	2273.272	2337.751	2794.021	3243.385	3685.153	4118.920	4544.185
TOTAL ASSETS	Million INR	5601.185	5681.598	5413.801	5173.769	4961.056	4775.167	4615.885	4474.359	4311.327	4150.649	4002.864	3867.678	4095.718	4315.508	4468.134	4594.732	4685.674	4720.925	4651.908	4285.248
CHECK																					
CHECK	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

GREEN HYDROGEN GENERATION**DEBT SERVICE COVERAGE RATIO**

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
DEBT SERVICE COVERAGE RATIO (DSCR)																					
PROFIT AFTER TAX (PAT)	Million INR	74.968	78.634	81.896	109.589	136.845	163.606	190.128	207.817	186.236	188.516	201.312	213.813	225.438	217.079	149.806	123.694	87.902	32.117	-72.282	-370.060
DEPRECIATION	Million INR	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	217.815	234.179	235.815	237.815	240.315	243.529	314.256	333.544	362.476	410.696	507.137	796.458
INTEREST ON LOAN	Million INR	246.070	246.070	246.070	221.463	196.856	172.249	147.642	123.035	98.428	73.821	49.214	24.607	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REPAYMENT OF PRINCIPAL	Million INR	0.000	0.000	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	351.529	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEBT SERVICE	Million INR	246.070	246.070	597.599	572.992	548.385	523.778	499.171	474.564	449.957	425.350	400.743	376.136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEBT SERVICE COVERAGE RATIO (DSCR)		2.190	2.205	0.913	0.958	1.006	1.057	1.113	1.156	1.117	1.167	1.214	1.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DSCR		1.280																			
MINIMUM DSCR		0.913																			

GREEN HYDROGEN GENERATION

INTERNAL RATE OF RETURN (IRR) AND NET PRESENT VALUE (NPV)

PARTICULARS/YEARS		YEAR0	YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
OVERALL PROJECT																						
CASH OUTFLOW	Million INR	4631.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH INFLOW	Million INR	0.000	1003.083	549.764	553.154	556.374	559.161	561.457	563.520	565.013	565.921	386.179	566.042	565.421	563.800	561.619	160.162	554.806	550.317	544.521	537.862	530.241
SALVAGE VALUE	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	484.033
NET CASH INFLOW	Million INR	-4631.290	1003.083	549.764	553.154	556.374	559.161	561.457	563.520	565.013	565.921	386.179	566.042	565.421	563.800	561.619	160.162	554.806	550.317	544.521	537.862	1014.274
IRR (PROJECT)	%	11.45																				
NPV (PROJECT)	Million INR	988.333																				
PROJECT PAY BACK PERIOD	YEARS	8.73																				
EQUITY																						
CASH OUTFLOW	Million INR	1452.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH INFLOW	Million INR	0.000	749.893	296.449	299.711	327.404	354.660	381.421	407.943	425.632	404.051	242.695	437.127	451.628	465.753	460.608	65.419	457.238	450.378	442.813	434.855	426.398
SALVAGE VALUE	Million INR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	484.033
NET CASH INFLOW	Million INR	-1452.100	749.893	296.449	299.711	327.404	354.660	381.421	407.943	425.632	404.051	242.695	437.127	451.628	465.753	460.608	65.419	457.238	450.378	442.813	434.855	910.431
IRR (EQUITY)	%	29.87																				
NPV (EQUITY)	Million INR	2243.529																				
EQUITY PAY BACK PERIOD	YEARS	3.35																				