



CLEAN GREEN ENERGY MISSION

PROJECT REPORT

GREEN SOLAR POWER GENERATION

Project Name	KURNOOL 600 MW PROJECT
Project Reference	P-001
Site	Kolimigundla, Nandyal, Andhra Pradesh, 518123, India
Client Name	S**L
Client Reference	C-001
Generated On	29-Apr-2026 14:04
Prepared By	ASHWINKUMAR/ARAVINTHRAAJAN ENERGY SYSTEM





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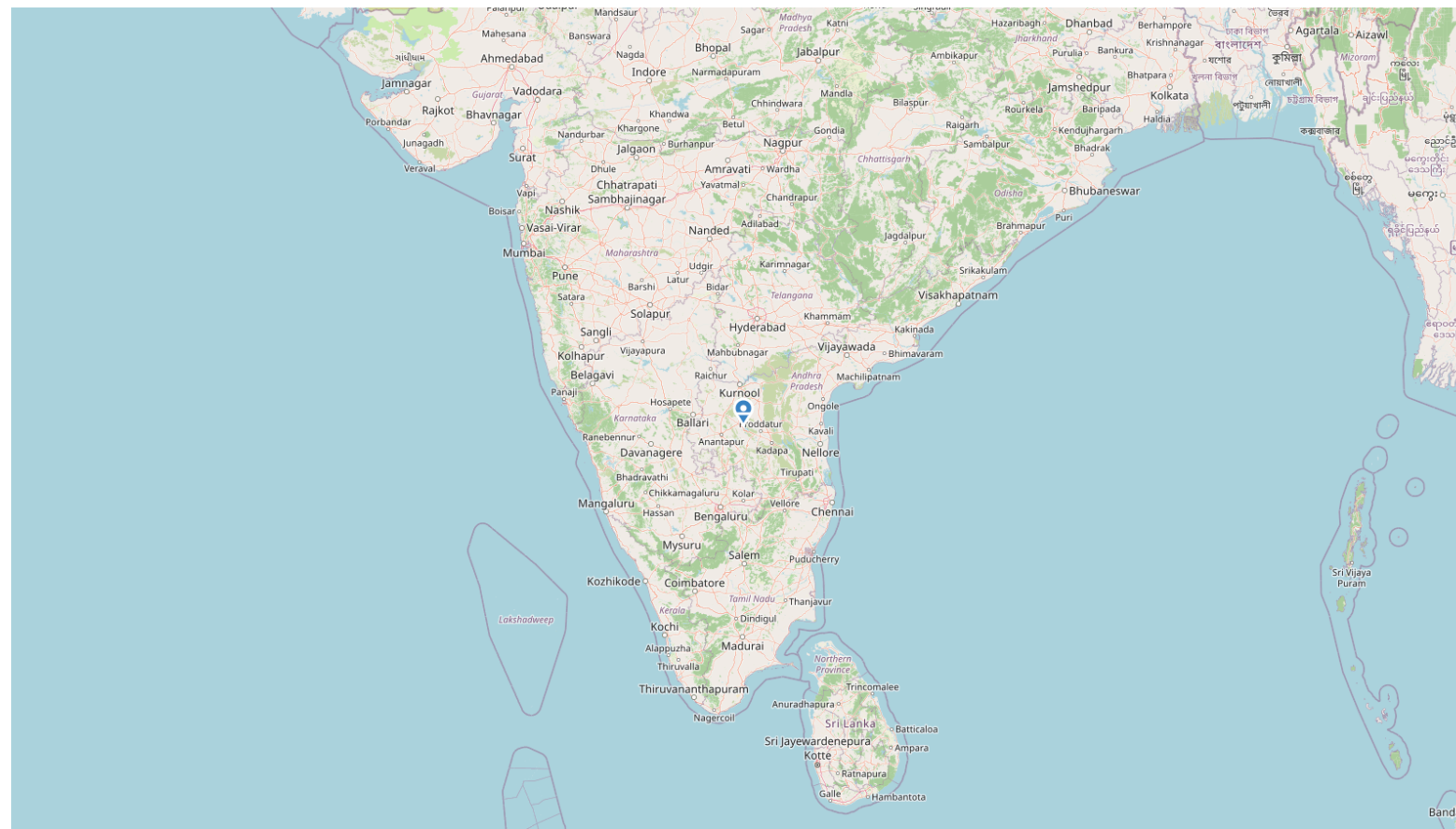


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SITE LOCATION

Location	Kolimigundla, Nandyal, Andhra Pradesh, 518123, India
Latitude	15.030029
Longitude	78.139211

Site Map Snapshot





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KI Key Inputs		
Details	Unit	Data
PROJECT DATA		
Project Name		KURNOOL 600 MW PROJECT
Project Reference		P-001
Client Name		S**L
Client Reference		C-001
Revision No.		A
Revision Date		26/04/2026
PROJECT CURRENCY		
Project Currency		INR
SITE LOCATION		
Location		Kolimigundla, Nandyal, Andhra Pradesh, 518123, India
Latitude		15.030029
Longitude		78.139211
YEAR FOR SOLAR AND WIND DATA		
Year for Solar and Wind Data		2020
RE POWER GENERATION		
Solar Power Generation	MW	600
Purpose of BESS		NO BESS PROVIDED
SOLAR PV PLANT		
PV Module Type		Monocrystalline
PV Module Technology		Bifacial N-Type TOPCon
PV Module Make & Model		Saatvik Green Energy Ltd 580W
PV Module STC Power	Wp	580
PV Module STC Efficiency	%	22.45
NOCT	°C	45
Temperature Coefficient Pmax	%/°C	-0.3
Bifacial Power Gain	%	10
Albedo		0.2
PV Module Height	mm	2278
PV Module Width	mm	1134



Details	Unit	Data
PV Module Cost	INR/Wp	14
Product Warranty	Years	12
Power Warranty	Years	30
PV Module Yearly Replacement	%	0.42
Tilt Angle	Degrees	35
Tracking		2-axis (tilt & azimuth)
Inverter Efficiency	%	98
Ground Coverage Ratio		0.4
Infra / non-module area margin	%	25
Soiling	%	1
Shading	%	1
Incidence Angle Modifier(IAM)	%	1.5
AC Wiring	%	1.5
DC Wiring	%	1.5
Light Induced Degradation(LID)	%	1.5
DC Mismatch	%	2
Availability	%	1
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
BESS Plant Provided		No
Type of Battery		LFP Lithium-Ion
BESS Plant Load Percentage	%	50
Depth of Discharge*		0.90
Autonomy	Hours	4
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	9000
Cell Replacement (% of CAPEX)	% of CAPEX COD	30
CAPEX OF THE PLANT		
CAPEX for Solar PV Plant	INR/KW	30545
CAPEX of BESS Plant	INR/KWH	0
Land Price	INR/ACRES	125000
Country Factor for Labour Work		1



Details	Unit	Data
PLANT OPERATING DETAILS		
Life of the Plant	YEARS	25
Construction Period	MONTHS	12
O&M Expenses Percentage	%	2
Auxiliary Power - Solar PV Plant	%	1
Auxiliary Power - BESS	%	2
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	%	12
Income Tax	%	22
Tax Holiday	YEARS	2
Salvage Value	%	10
Exchange Rate Variation	%	2
SUBSIDIES AND INCENTIVES		
Capital Subsidy (% of CAPEX)	%	0
Subsidy Receipt Year (1=Year1)	Year	1
RE Generation-Based Incentive	INR/KWH	0
GBI Eligibility Period	Years from COD	5
TARGETTED SALE PRICE		
GREEN RE POWER SALE PRICE		
Green RE Power Sale Price	INR/KWH	2.6
PLANT DEGRADATION		



Details	Unit	Data
Solar PV 1stYear Degradation	%	1
Solar PV Annual Degradation	%	0.40
BESS Annual Degradation	%	1
Curtailement / Losses	%	0
RE Transmission Losses	%	0
GRID Transmission Losses	%	2
PRICE ESCALATION		
Green RE Power Sale Price Escalation	%	2
Whole Sale Price Index (WPI)	%	4
Consumer Price Index (CPI)	%	6
Annual Battery Price Escalation	%	0
Annual PV Module Price Escalation	%	0
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.9
Life Cycle CO ₂ e Intensity-Solar	kg CO ₂ e/kWh	0.05
Life Cycle CO ₂ e Intensity-DM/RO Water	kg CO ₂ e/cum	0.5
Carbon Credit Market/Standard		ICM (India)
Market Price for Carbon Credit for avoidance Project	USD/tons of CO ₂ e	10
Annual Carbon Credit Price Escalation	%	2



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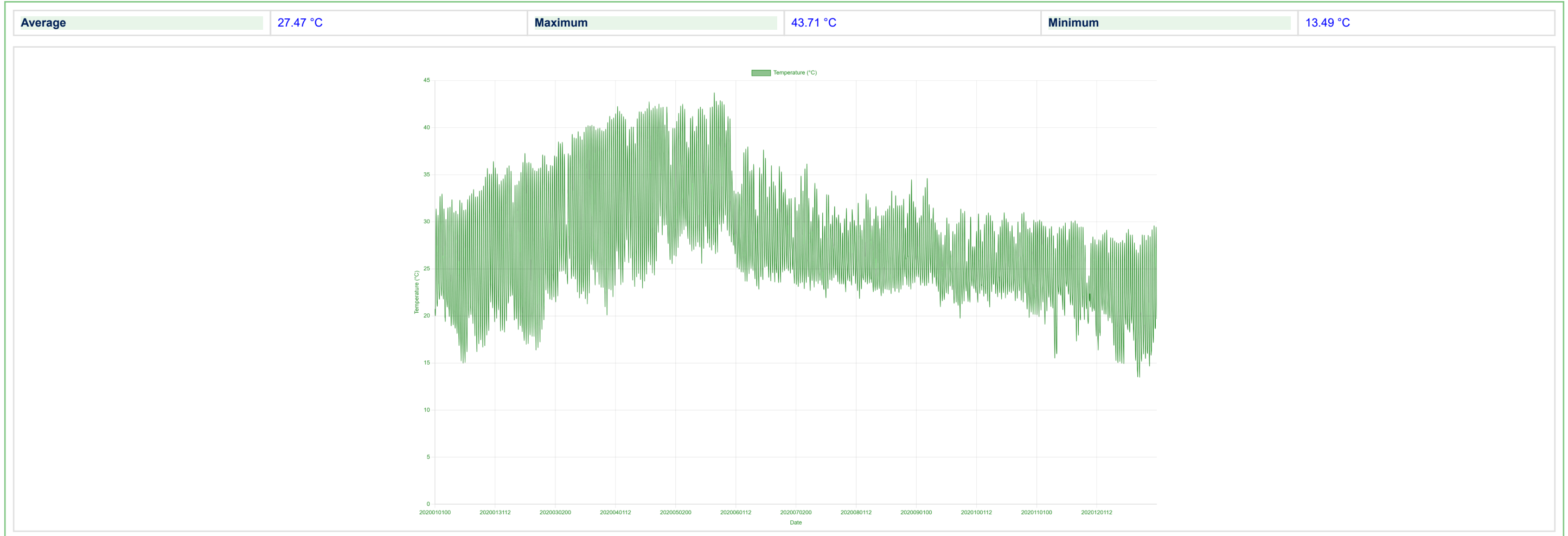
PD Plant Description		
Details	Unit	Data
SOLAR PV PLANT		
Capacity Utilization Factor	%	20.66
Required Solar PV Plant Capacity	KW	600000
Selected Plant AC Capacity	KW	600000
Selected Plant DC Capacity	KW	720000
PV Module Total Quantity	nos	1241380
Annual Gross Solar Electricity generation	KWH / MKWH	1088934216 / 1088.93
Annual Auxiliary Power Consumption	KWH / MKWH	10889342 / 10.89
Annual Net Solar Electricity generation	KWH / MKWH	1078044874 / 1078.04
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
Annual Battery Cycles	Nos of charging cycles	0
Battery Replacement Life	Years	20
BESS Load	KW	0
BESS Plant Capacity	KWH	0
Annual Net Power Consumed in BESS	KWH / MKWH	0 / 0.00
Annual BESS Auxiliary Power & Other Losses	KWH / MKWH	0 / 0.00



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VISUAL APPENDIX

AMBIENT TEMPERATURE GRAPH

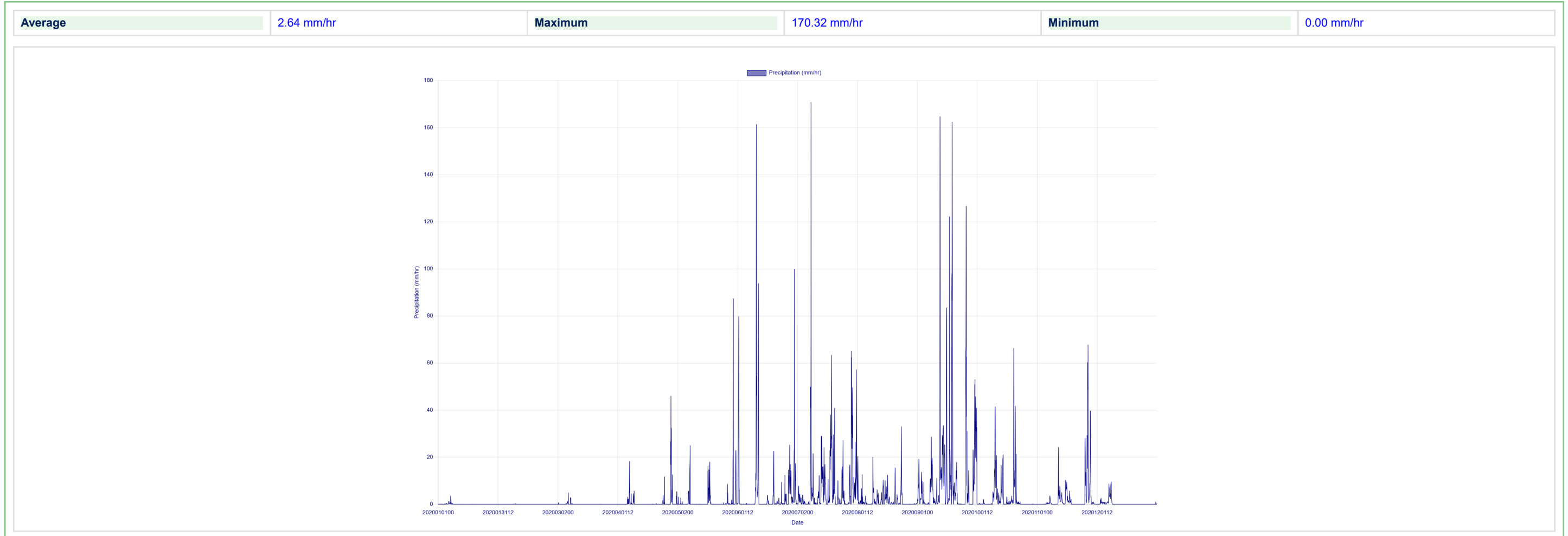




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PRECIPITATION GRAPH

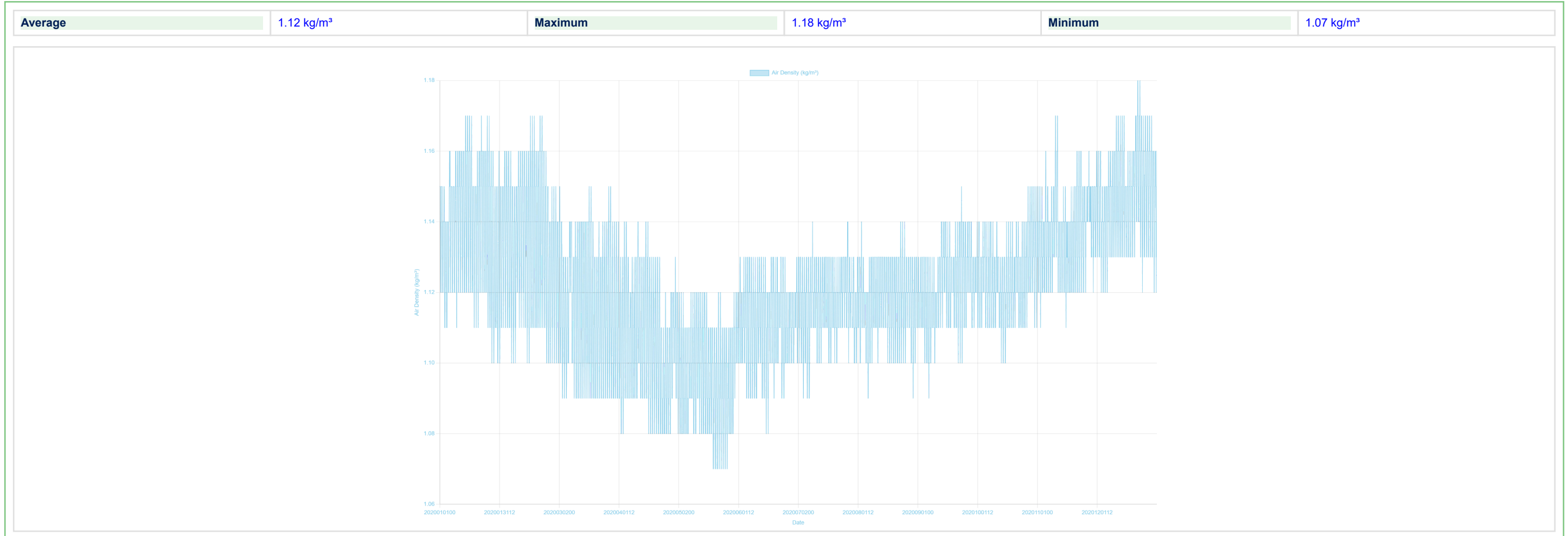




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AIR DENSITY GRAPH

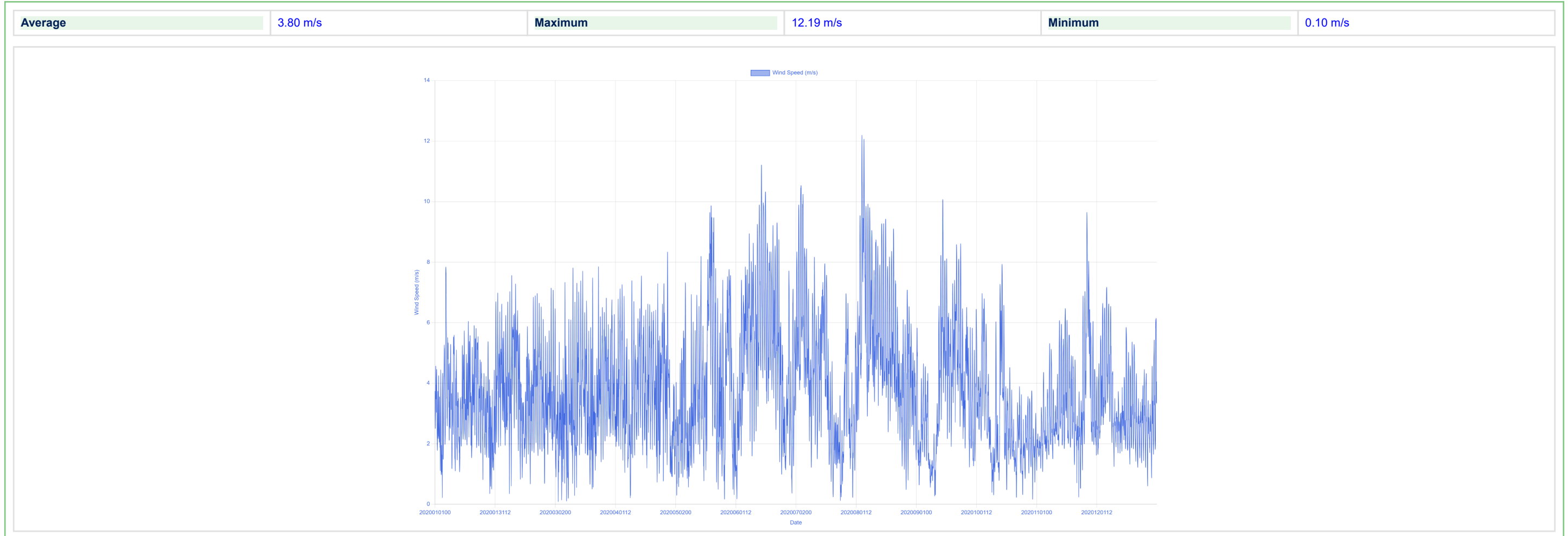




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WIND SPEED 10M GRAPH

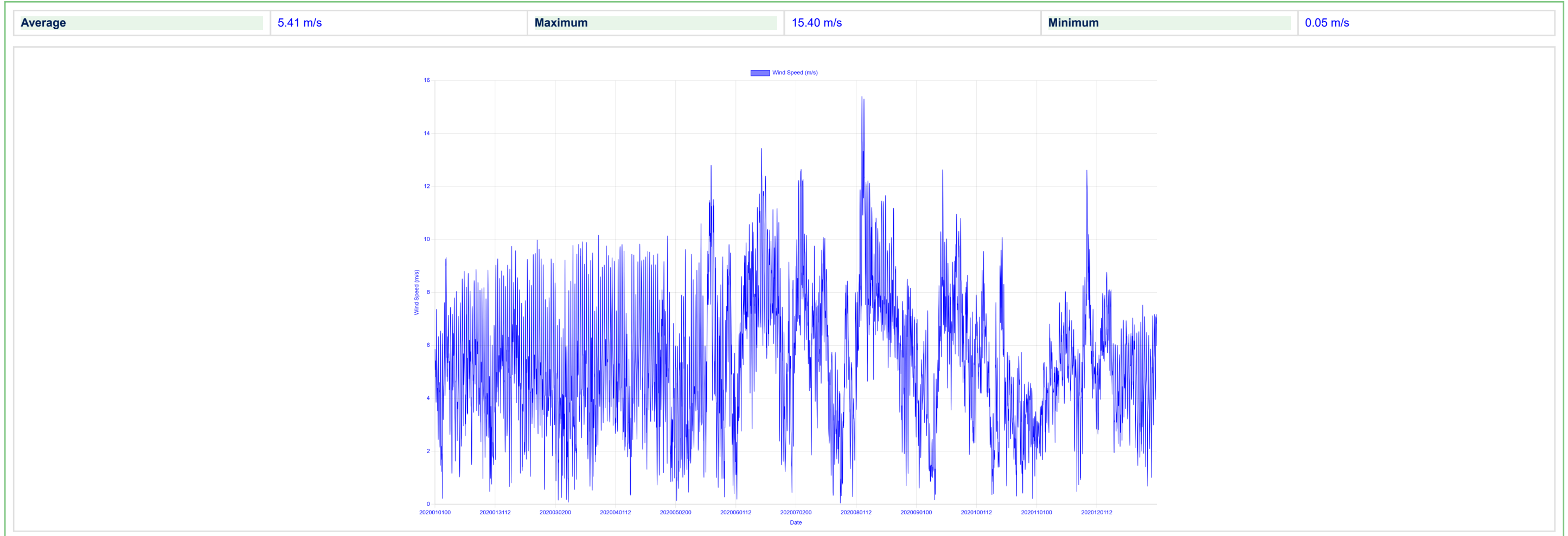




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VISUAL APPENDIX

WIND SPEED 50M GRAPH

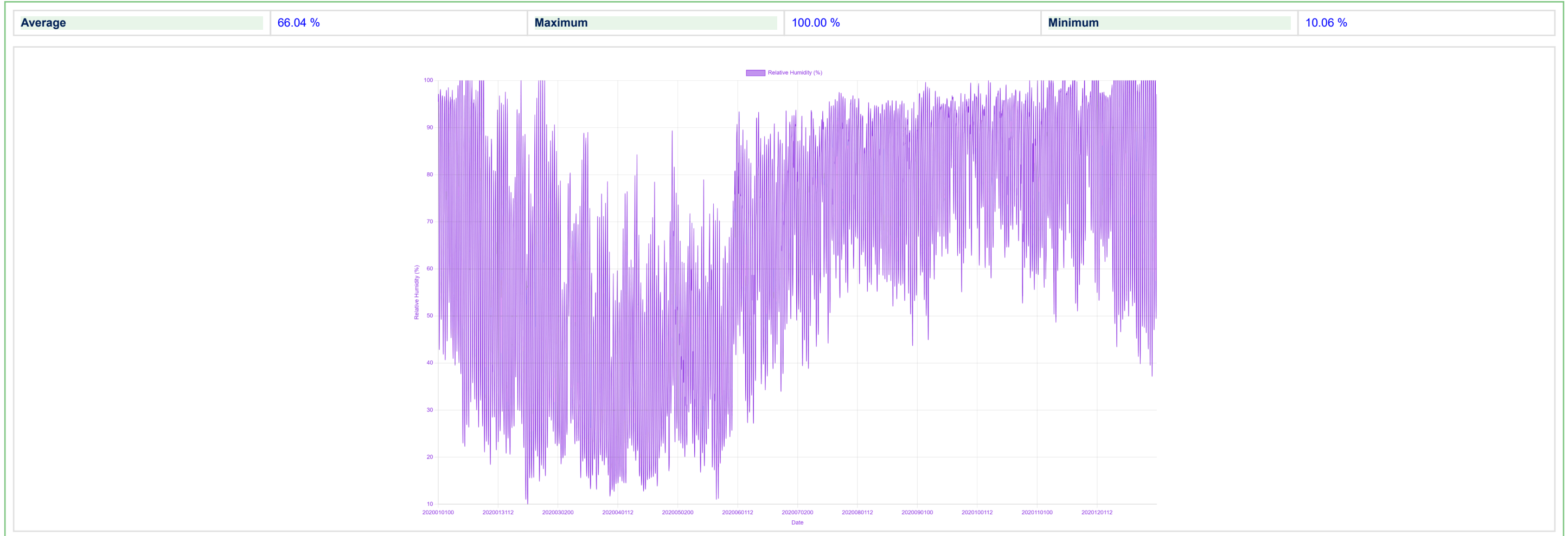




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RELATIVE HUMIDITY GRAPH

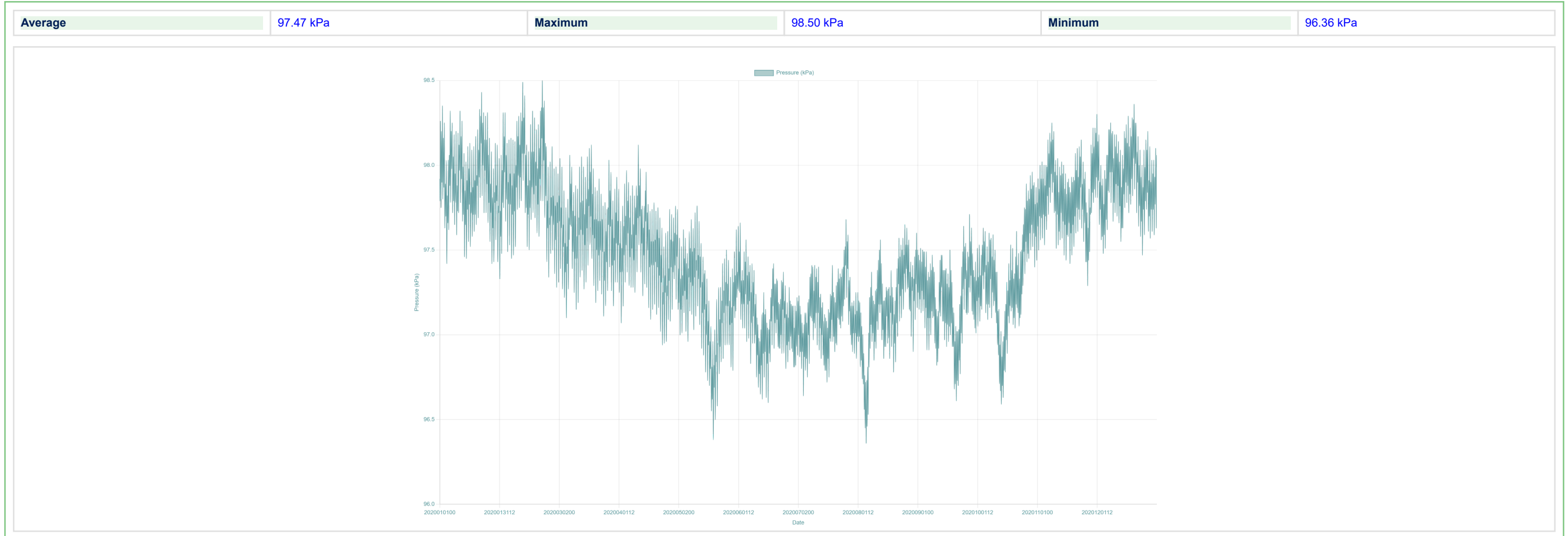




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AMBIENT PRESSURE GRAPH

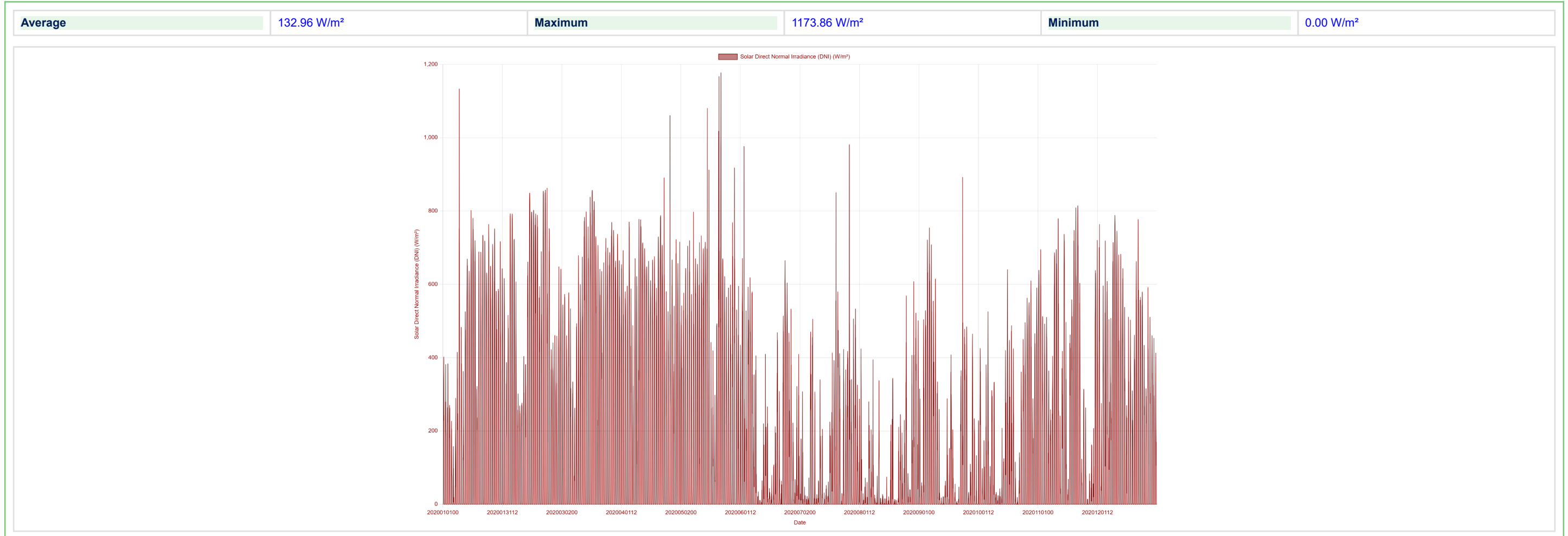




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SOLAR DIRECT NORMAL IRRADIANCE (DNI) GRAPH

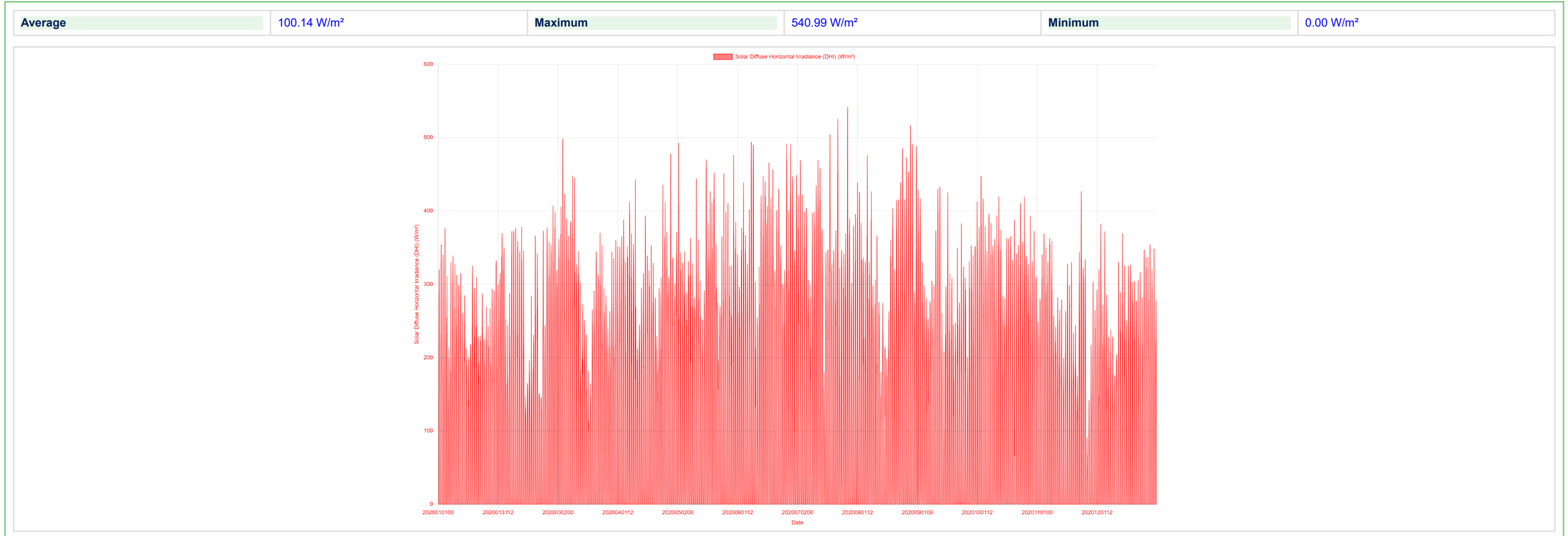




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SOLAR DIFFUSE HORIZONTAL IRRADIANCE (DHI) GRAPH

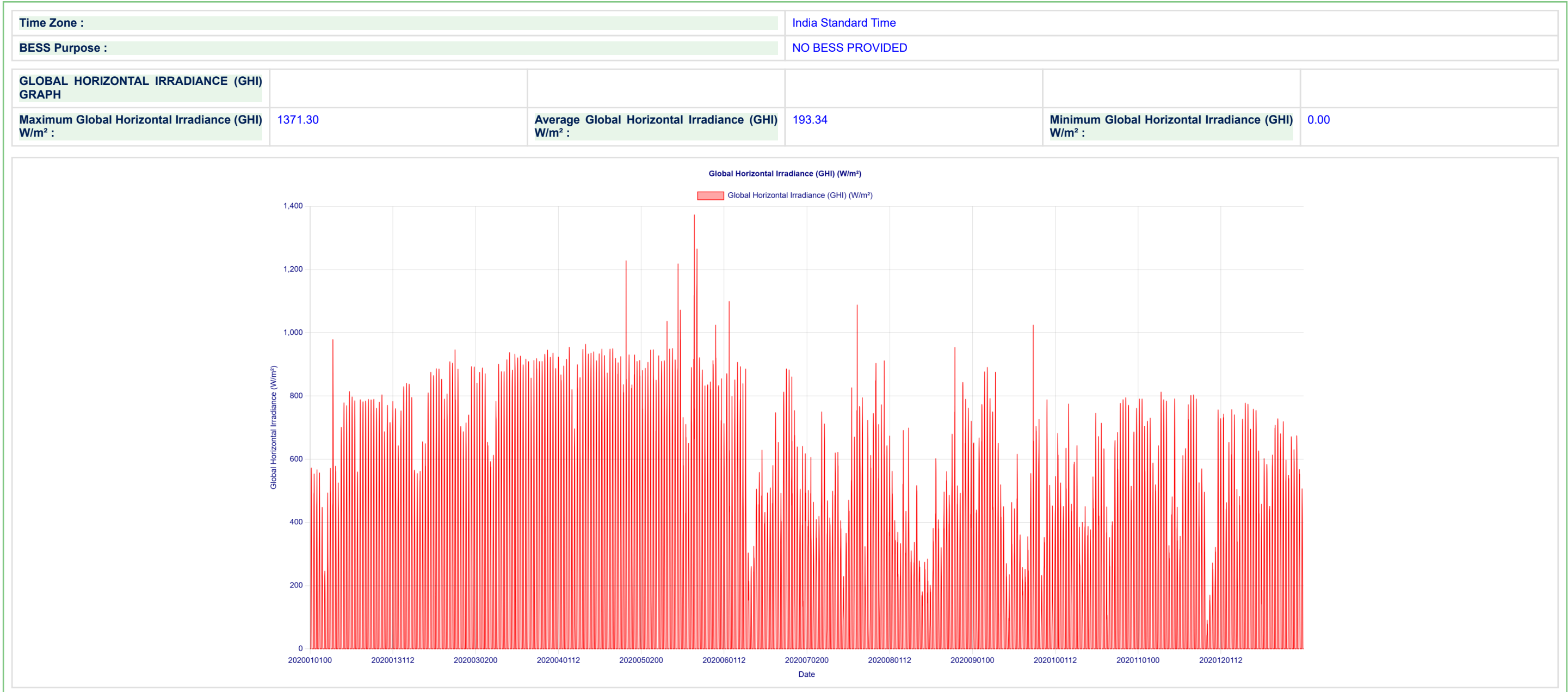




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VISUAL APPENDIX

SOLAR HOURLY DATA ANALYSIS





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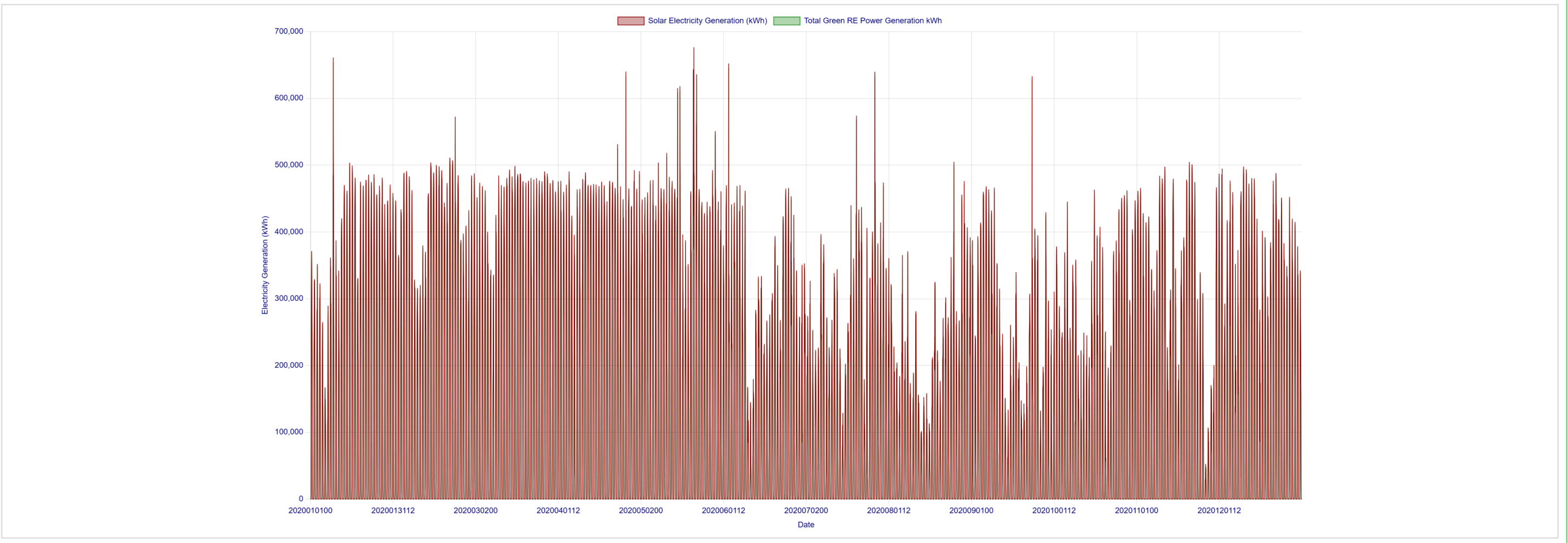
VISUAL APPENDIX

GENERATION SUMMARY

Total Solar Energy Generation kWh:	1088934216.00	Net Green Electricity Generation kWh:	1078044873.84	Direct Power Export kWh:	1078044873.84	Battery Discharging Power kWh:	0.00	BESS Capacity Utilization Factor %:	0.00	Total Green RE Power for Export kWh:	1056906739.08
Solar Energy Generator Gross Capacity Utilization Factor %:	20.66	BESS Power kWh:	0.00	Battery Charging Power kWh:	0.00	Balance BESS Power kWh:	0.00	Solar Energy Capacity Utilization Factor without BESS %:	20.45	Solar Energy Net Capacity Utilization Factor with BESS %:	20.05

GREEN RE POWER GENERATION GRAPH

Maximum Net Green RE Power Generation kWh :	668184.66	Average Net Green RE Power Generation kWh :	122728.24	Minimum Net Green RE Power Generation kWh :	0.00
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BESS POWER GRAPH

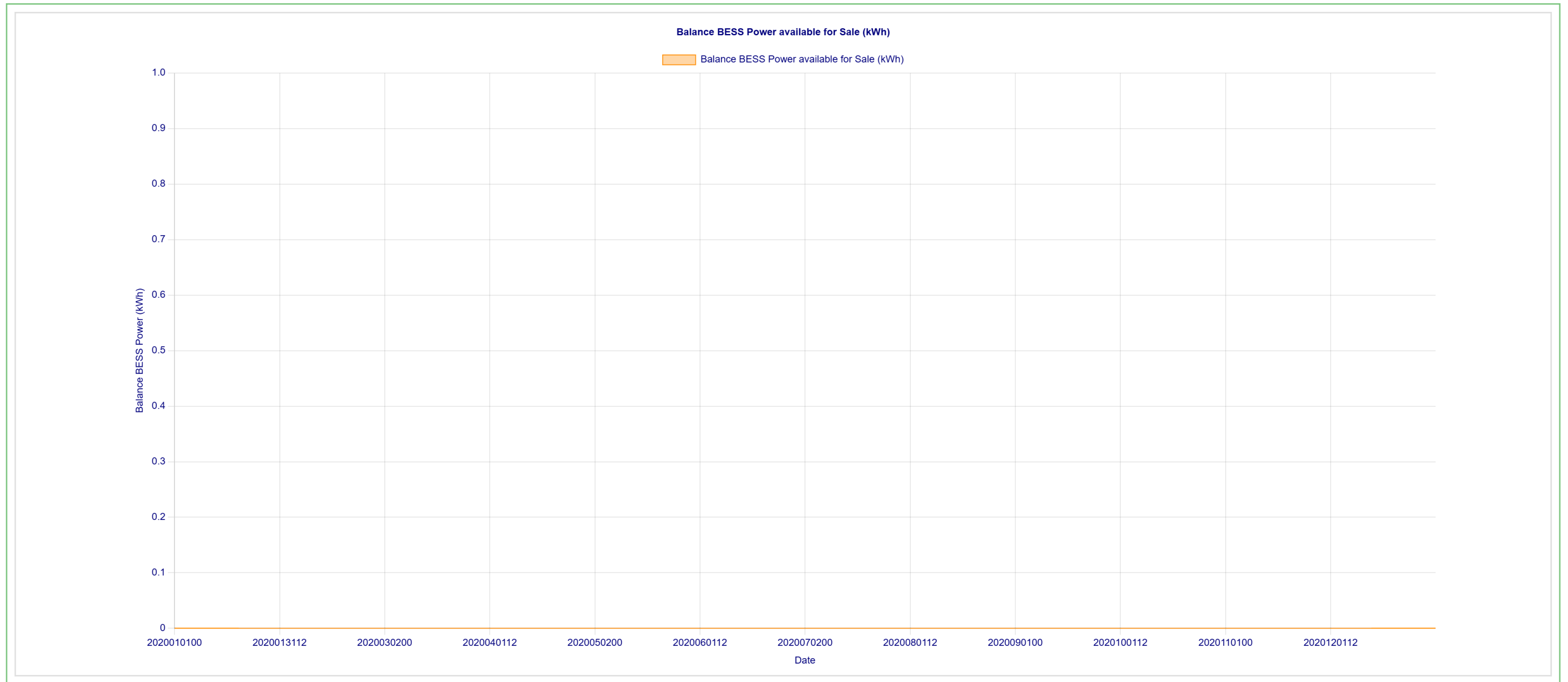




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VISUAL APPENDIX

BALANCE BESS POWER AVAILABLE FOR SALE GRAPH



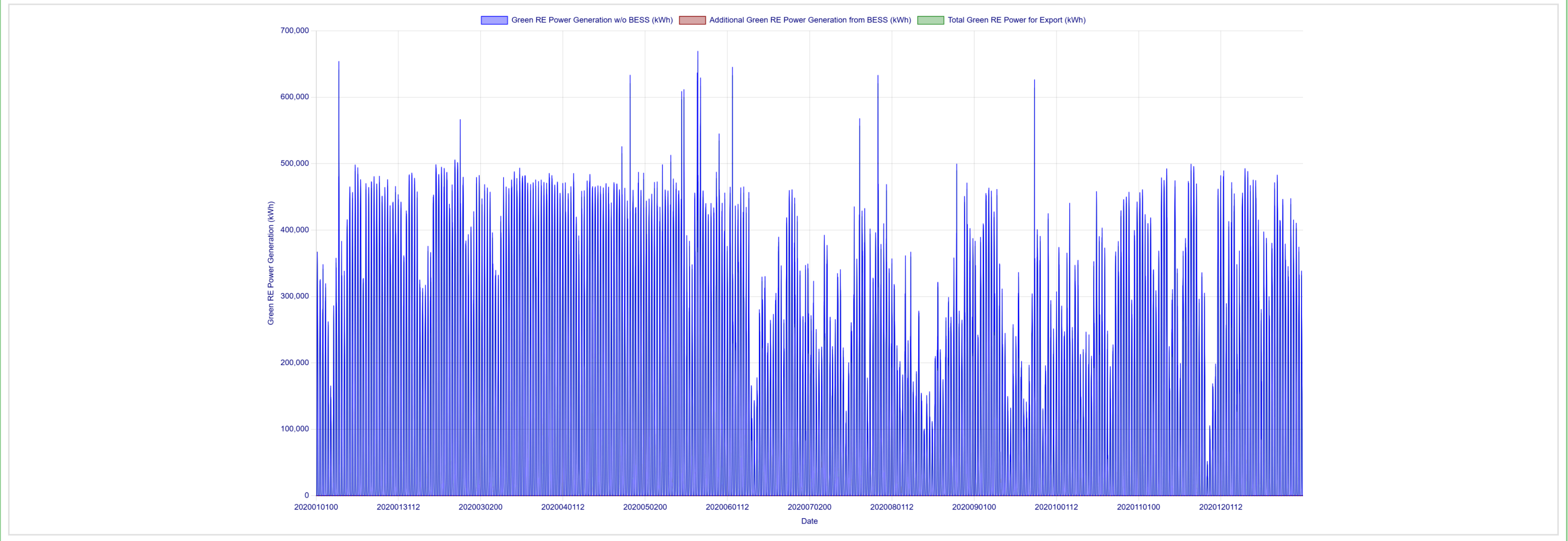


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GREEN RE POWER FOR EXPORT GRAPH

Maximum Green RE Power Generation w/o BESS kWh :	668184.66	Average Green RE Power Generation w/o BESS kWh :	122728.24	Minimum Green RE Power Generation w/o BESS kWh :	0.00
Maximum Green RE Power Generation from BESS kWh :	0.00	Average Green RE Power Generation from BESS kWh :	0.00	Minimum Green RE Power Generation from BESS kWh :	0.00
Maximum Total Green RE Power for Export kWh :	655083.00	Average Total Green RE Power for Export kWh :	120321.81	Minimum Total Green RE Power for Export kWh :	0.00





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LE Land Estimate		
Details	Unit	Data
Land Requirement for Solar Power Generation		
TOTAL PV MODULE AREA	SQ.M	3206797.37
LAND AREA UNDER ROWS	SQ.M	8016993.42
GROSS LAND AREA INCL INFRASTRUCTURE	SQ.M	10021241.77
TOTAL AREA FOR SOLAR POWER GENERATION	SQ.M / HECTARES / ACRES	10021241.77 / 1002.12 / 2476.3
Land Requirement for BESS Plant		
BATTERY BLOCK AREA	SQ.M	0
INVERTER SKIDS & TRANSFORMERS AREA	SQ.M	0
POWER CONVERSION SYSTEM AREA	SQ.M	0
AREA FOR ROADS AND OTHER INFRASTRUCTURE	SQ.M	0
TOTAL AREA FOR BESS PLANT	SQ.M / HECTARES / ACRES	0 / 0 / 0
Total Land Requirement for the Project		
TOTAL LAND REQUIREMENT FOR THE PROJECT	SQ.M / HECTARES / ACRES	10021241.77 / 1002.12 / 2476.3
TOTAL PROJECT LAND COST		
SOLAR POWER PLANT LAND COST	Million INR	309.5376
BESS PLANT LAND COST	Million INR	0
TOTAL PROJECT LAND COST	Million INR	309.5376



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CX Capex Estimate

Details	Unit	Data
SOLAR PV PLANT CAPEX ESTIMATION BREAK-UP		
PV Module Rated Power	Wp	580
PV Module Cost	INR/Wp	14
PV Module Total Quantity	nos	1241380
Cost of Solar PV Modules	Million INR	10080.0056
Cost of Mounting Structures/Trackers	Million INR	916.3641
Cost of Inverters	Million INR	1099.637
Cost of DC+AC BOS & Electrical System	Million INR	1282.9098
Cost of Civil & Site Works	Million INR	733.0913
Cost of Grid Interconnection & Substation	Million INR	1099.637
Cost of Construction & Installation	Million INR	916.3641
Cost of Project Management	Million INR	549.8185
Cost of Engineering, Permitting & Studies	Million INR	366.5457
Cost of EPC Management, HSE & QA/QC	Million INR	366.5457
Cost of Testing, Commissioning & COD activities	Million INR	183.2728
Cost of Insurance, Contingency & Spares	Million INR	733.0913
SOLAR PV PLANT CAPEX	Million INR	18327.2829
SOLAR PV PLANT CAPEX PER KW	INR/kW	30545
SOLAR PV PLANT CAPEX PER KW IN USD	USD/kW	323.78
BESS PLANT CAPEX ESTIMATION BREAK-UP		
BESS Load	KW	0
BESS Plant Capacity	KWH	0
Cost of Cost of Battery System per kWH	INR/kWH	9000
Cost of Battery system (containers + cells + racks)	Million INR	0
Cost of PCS/Electrical System	Million INR	0
Cost of Balance of Plant	Million INR	0
Cost of Civil & Site Works	Million INR	0
Cost of Construction & Installation	Million INR	0
Cost of Project Management	Million INR	0
Cost of Engineering, Permitting & Studies	Million INR	0



Details	Unit	Data
Cost of EPC Management, HSE & QA/QC	Million INR	0
Cost of Testing, Commissioning & COD activities	Million INR	0
Cost of Insurance, Contingency & Spares	Million INR	0
BESS PLANT CAPEX	Million INR	0
BESS PLANT CAPEX PER KWH	INR/kWH	0
BESS PLANT CAPEX PER KW IN USD	USD/kWH	0
TOTAL INVESTMENT (CAPEX)		
Solar PV Plant	Million INR / %	18327.00 / 98.339
BESS PLANT	Million INR / %	0.00 / 0
PV OF Battery Replacement Cost	Million INR / %	0.00 / 0
PROJECT LAND COST	Million INR / %	309.54 / 1.661
Total Investment (CAPEX)	Million INR / %	18636.54 / 100
Total Investment (CAPEX) IN USD	Million USD	197.55
PROJECT FINANCIALS		
Gross Project Cost excluding IDC	Million INR	18636.54
Capital Subsidy	Million INR	0.00
Net Project Cost excluding IDC	Million INR	18636.54
Equity	%	30
Debt	%	70
Equity Capital Cost	Million INR	5793.74
Borrowed Capital Cost	Million INR	13518.74
Project Schedule for the Plant	Months	12
Interest During Construction(IDC)	Million INR	675.94
Total Borrowing	Million INR	14194.68
Net Project Cost including IDC	Million INR	19312.48
Total Project Cost	Million INR	19312.48
Installed Cost of Green Power Generation Plant	INR/kW	32187
Installed Cost of Green Power Generation Plant	USD/kW	341.18



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CF Carbon Footprint

Details	Unit	Data
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.9
Project Lifecycle Intensity Emissions	kg CO ₂ e/kg kWh	0.051
Net Emission Reduction per kWh of RE Power	kg CO ₂ e/kg kWh	0.849
Annual Total Emission Reduction from the Project	kg CO ₂ e/year	924154083.6
Annual Total Emission Reduction from the Project	tons of CO ₂ e/year	924154.08
Carbon Credit Market/Standard		ICM (India)
Market Price for Carbon Credit for avoidance	USD/tons of CO ₂ e	10
Annual additional revenue from Carbon Credit	INR	871843475.09
GREENHOUSE GAS EQUIVALENCIES		
Petrol consumption for passenger cars for one year	No of Petrol Cars	215328
Electricity for passenger electric cars for one year	No of Electric Cars	816028
Equivalent to Coal burning	kgs	465773658
Equivalent to Oil consumption	barrels	2125554
Equivalent to Petrol consumption	litres	395537948
Equivalent to Diesel consumption	litres	343785319
Equivalent to carbon sequestered by tree seedlings grown for 10 years	No of trees	15248542



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KR Key Results

Details	Unit	Data
SITE AMBIENT,SOLAR AND WIND DATA		
PROJECT NAME		KURNOOL 600 MW PROJECT
SITE LOCATION		Kolimigundla, Nandyal, Andhra Pradesh, 518123, India
SITE LATITUDE	(+ = North & - = South hemisphere)	15.030029
SITE LONGITUDE	(+ = East & - = West of Greenwich meridian)	78.139211
SITE ELEVATION	meters above Mean Sea Level	292
GRID ELEVATION	meters above Mean Sea Level	298.92
MEAN AMBIENT TEMPERATURE	°C	27.47
MAXIMUM AMBIENT TEMPERATURE	°C	43.71
MINIMUM AMBIENT TEMPERATURE	°C	13.49
MEAN PRECIPITATION	mm/hr	2.64
MAXIMUM PRECIPITATION	mm/hr	170.32
MINIMUM PRECIPITATION	mm/hr	0
MEAN AIR DENSITY	kg/m³	1.122
MAXIMUM AIR DENSITY	kg/m³	1.18
MINIMUM AIR DENSITY	kg/m³	1.07
MEAN WIND SPEED @ 10M	m/s	3.8
MAXIMUM WIND SPEED @ 10M	m/s	12.19
MINIMUM WIND SPEED @ 10M	m/s	0.1
MEAN WIND SPEED @ 50M	m/s	5.41
MAXIMUM WIND SPEED @ 50M	m/s	15.4
MINIMUM WIND SPEED @ 50M	m/s	0.05
MEAN RELATIVE HUMIDITY	%	66.04
MAXIMUM RELATIVE HUMIDITY	%	100
MINIMUM RELATIVE HUMIDITY	%	10.06
MEAN AMBIENT PRESSURE	kPa	97.47
MAXIMUM AMBIENT PRESSURE	kPa	98.5
MINIMUM AMBIENT PRESSURE	kPa	96.36
MEAN DIRECT NORMAL IRRADIANCE (DNI)	W/m²	132.96
MAXIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m²	1173.86
MINIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m²	0



Details	Unit	Data
MEAN DIRECT HORIZONTAL IRRADIANCE (DHI)	W/m ²	100.14
MAXIMUM HORIZONTAL IRRADIANCE (DHI)	W/m ²	540.99
MINIMUM HORIZONTAL IRRADIANCE (DHI)	W/m ²	0
DATA ANALYSIS RESULTS		
TIME ZONE		India Standard Time
MAXIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	1371.3
AVERAGE GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	193.34
MINIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m ²	0
System Loss	%	0.895
DC/AC Ratio		1.2
MEAN PV Module Cell Temperature	°C	34.76
MAXIMUM PV Module Cell Temperature	°C	88.74
MINIMUM PV Module Cell Temperature	°C	13.49
PLANT CAPACITIES AND OUTPUT GENERATION		
SOLAR PV PLANT CAPACITY	KW	600000
BESS PLANT CAPACITY	KWH	0
ANNUAL GREEN RE POWER GENERATION		
ANNUAL GROSS GREEN RE POWER GENERATION	KWH / MKWH	1088934216 / 1088.93
ANNUAL NET GREEN RE POWER GENERATION	KWH / MKWH	1078044874 / 1078.04
ANNUAL GROSS GREEN RE POWER EXPORT	KWH / MKWH	1078044874 / 1078.04
GRID TRANSMISSION LOSSES	KWH / MKWH	21138135 / 21.14
ANNUAL NET GREEN RE POWER EXPORT	KWH / MKWH	1056906739 / 1056.91
ANNUAL WATER REQUIRED FOR SOLAR PLANT	CUM	165000
CAPACITY UTILIZATION FACTORS (CUF)		
Solar Energy Generator Gross Capacity Utilization Factor	%	20.66
Solar Energy Capacity Utilization Factor without BESS	%	20.45
BESS Capacity Utilization Factor	%	0.00
Solar Energy Net Capacity Utilization Factor with BESS	%	20.05
ANNUAL AUXILIARY POWER CONSUMPTION & OTHER LOSSES		
Annual Auxiliary Power Consumption - Solar	KWH / MKWH / %	10889342 / 10.89 / 34
Annual BESS Auxiliary Power & Other Losses	KWH / MKWH / %	0 / 0.00 / 0
Annual RE Transmission Losses	KWH / MKWH / %	0 / 0.00 / 0
Annual Grid Transmission Losses	KWH / MKWH / %	21138135 / 21.14 / 66



Details	Unit	Data
Total Plant Auxiliary Power & Other Losses	KWH / MKWH / %	32027477 / 32.03 / 100
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Annual Total Emission Reduction from the Project	tons of CO ₂ e/year	924154.08
Annual additional revenue from Carbon Credit	INR	871843475.09
PROJECT INVESTMENT		
TOTAL PROJECT COST	Million INR	19312.48
TOTAL PROJECT COST IN USD	Million USD	204.71
PROJECT COST PER KW	INR/KW	32187
LEVELAISED COST OF GENERATION		
GREEN RE POWER	INR/KWH	2.19
GREEN RE POWER IN USD	USD/KWH	0.02
SALE PRICE WITHOUT ESCALATION		
GREEN RE POWER	INR/KWH	2.60
PROJECT ECONOMICS		
AVERAGE DSCR		1.83
MINIMUM DSCR		1.28
PROJECT IRR	%	17.30
PROJECT NPV	Million INR	6281.13
PROJECT PAY BACK PERIOD	YEARS	5.78
EQUITY IRR	%	38.78
EQUITY NPV	Million INR	10965.08
EQUITY PAY BACK PERIOD	YEARS	2.58



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GP 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
SOLAR PV PLANT POWER GENERATION																											
CAPACITY	MW	600.00	594.00	591.62	589.25	586.89	584.54	582.20	579.87	577.55	575.24	572.94	570.65	568.37	566.10	563.84	561.58	559.33	557.09	554.86	552.64	550.43	548.23	546.04	543.86	541.68	
OPERATING HOURS	HR	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	1815	
GROSS GENERATION	Million KWHR	1088.93	1078.04	1073.73	1069.44	1065.16	1060.90	1056.66	1052.43	1048.22	1044.03	1039.85	1035.69	1031.55	1027.42	1023.31	1019.22	1015.14	1011.08	1007.04	1003.01	999.00	995.00	991.02	987.06	983.11	
AUXILIARY CONSUMPTION	Million KWHR	10.89	10.78	10.74	10.69	10.65	10.61	10.57	10.52	10.48	10.44	10.40	10.36	10.32	10.27	10.23	10.19	10.15	10.11	10.07	10.03	9.99	9.95	9.91	9.87	9.83	
RE TRANSMISSION LOSS	Million KWHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NET GENERATION	Million KWHR	1078.04	1067.26	1062.99	1058.75	1054.51	1050.29	1046.09	1041.91	1037.74	1033.59	1029.45	1025.33	1021.23	1017.15	1013.08	1009.03	1004.99	1000.97	996.97	992.98	989.01	985.05	981.11	977.19	973.28	
TOTAL NET GREEN RE POWER GENERATION																											
TOTAL NET GREEN RE POWER GENERATION	Million KWHR	1078.04	1067.26	1062.99	1058.75	1054.51	1050.29	1046.09	1041.91	1037.74	1033.59	1029.45	1025.33	1021.23	1017.15	1013.08	1009.03	1004.99	1000.97	996.97	992.98	989.01	985.05	981.11	977.19	973.28	
BATTERY ENERGY STORAGE SYSTEM (BESS) PLANT																											
CAPACITY	MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OPERATING LOAD	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OPERATING HOURS	HR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BESS OUTPUT	Million KWHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AUXILIARY POWER & OTHER LOSSES	Million KWHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AUXILIARY POWER & OTHER LOSSES																											
SOLAR AUX POWER	Million KWHR	10.89	10.78	10.74	10.69	10.65	10.61	10.57	10.52	10.48	10.44	10.40	10.36	10.32	10.27	10.23	10.19	10.15	10.11	10.07	10.03	9.99	9.95	9.91	9.87	9.83	
BESS AUXILIARY POWER & OTHER LOSSES	Million KWHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RE TRANSMISSION LOSSES	Million KWHR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
GRID TRANSMISSION LOSSES	Million KWHR	21.14	20.93	20.84	20.76	20.68	20.59	20.51	20.43	20.35	20.27	20.19	20.10	20.02	19.94	19.86	19.78	19.71	19.63	19.55	19.47	19.39	19.31	19.24	19.16	19.08	
TOTAL AUXILIARY POWER & OTHER LOSSES	Million KWHR	32.03	31.71	31.58	31.45	31.33	31.20	31.08	30.95	30.83	30.71	30.59	30.46	30.34	30.21	30.09	29.97	29.86	29.74	29.62	29.50	29.38	29.26	29.15	29.03	28.91	
POWER BALANCE																											
TOTAL GROSS GREEN RE POWER GENERATION	Million KWHR	1088.93	1078.04	1073.73	1069.44	1065.16	1060.90	1056.66	1052.43	1048.22	1044.03	1039.85	1035.69	1031.55	1027.42	1023.31	1019.22	1015.14	1011.08	1007.04	1003.01	999.00	995.00	991.02	987.06	983.11	
TOTAL AUXILIARY POWER & OTHER LOSSES	Million KWHR	32.03	31.71	31.58	31.45	31.33	31.20	31.08	30.95	30.83	30.71	30.59	30.46	30.34	30.21	30.09	29.97	29.86	29.74	29.62	29.50	29.38	29.26	29.15	29.03	28.91	
TOTAL NET GREEN RE POWER FOR EXPORT	Million KWHR	1056.90	1046.33	1042.15	1037.99	1033.83	1029.70	1025.58	1021.48	1017.39	1013.32	1009.26	1005.23	1001.21	997.21	993.22	989.25	985.28	981.34	977.42	973.51	969.62	965.74	961.87	958.03	954.20	



Clean Green Energy Mission - Report
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FA **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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
NET FIXED ASSETS																											
GROSS FIXED ASSETS OPENING	Million INR	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48
NOT USED	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADD:BATTERY REPLACEMENT	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GROSS FIXED ASSETS CLOSING	Million INR	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48	19312.48
DEPRECIATION:INITIAL	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25
NOT USED	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPRECIATION:BATTERY	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL DEPRECIATION	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25
CUMULATIVE DEPRECIATION	Million INR	695.25	1390.50	2085.75	2781.00	3476.25	4171.50	4866.75	5562.00	6257.25	6952.50	7647.75	8343.00	9038.25	9733.50	10428.75	11124.00	11819.25	12514.50	13209.75	13905.00	14600.25	15295.50	15990.75	16686.00	17381.25	18076.50
NET FIXED ASSETS	Million INR	18617.23	17921.98	17226.73	16531.48	15836.23	15140.98	14445.73	13750.48	13055.23	12359.98	11664.73	10969.48	10274.23	9578.98	8883.73	8188.48	7493.23	6797.98	6102.73	5407.48	4712.23	4016.98	3321.73	2626.48	1931.23	1235.98
WORKING CAPITAL																											
TOTAL REVENUE	Million INR	3619.78	3653.15	3718.63	3773.49	3828.17	3893.05	3957.69	4022.14	4086.35	4150.40	4214.21	4277.91	4351.43	4414.74	4487.79	4560.65	4633.20	4705.59	4777.79	4859.49	4931.25	5012.45	5093.37	5174.11	5254.58	
RECEIVABLES	Million INR	301.65	304.43	309.89	314.46	319.01	324.42	329.81	335.18	340.53	345.87	351.18	356.49	362.62	367.90	373.98	380.05	386.10	392.13	398.15	404.96	410.94	417.70	424.45	431.18	437.88	
SPARES	Million INR	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12
O&M TIED UP	Million INR	30.00	31.44	32.95	34.54	36.21	37.96	39.80	41.73	43.76	45.89	48.13	50.49	52.97	55.57	58.30	61.18	64.20	67.38	70.72	74.23	77.93	81.81	85.90	90.20	94.73	
WORKING CAPITAL REQUIREMENT	Million INR	524.77	528.99	535.96	542.12	548.34	555.50	562.73	570.03	577.41	584.88	592.43	600.10	608.71	616.59	625.40	634.35	643.42	652.63	661.99	672.31	681.99	692.63	703.47	714.50	725.73	
WORKING CAPITAL LOAN LESS MARGIN	Million INR	393.58	396.74	401.97	406.59	411.26	416.63	422.05	427.52	433.06	438.66	444.32	450.08	456.53	462.44	469.05	475.76	482.57	489.47	496.49	504.23	511.49	519.47	527.60	535.88	544.30	
Δ WORKING CAPITAL REQUIREMENT	Million INR	524.77	4.22	6.97	6.16	6.22	7.16	7.23	7.30	7.38	7.47	7.55	7.67	8.61	7.88	8.81	8.95	9.07	9.21	9.36	10.32	9.68	10.64	10.84	11.03	11.23	
Δ WORKING CAPITAL LOAN	Million INR	393.58	3.16	5.23	4.62	4.67	5.37	5.42	5.47	5.54	5.60	5.66	5.76	6.45	5.91	6.61	6.71	6.81	6.90	7.02	7.74	7.26	7.98	8.13	8.28	8.42	
DEBT																											
TERM LOAN OPENING	Million INR	14194.68	14194.68	14194.68	12775.21	11355.74	9936.27	8516.80	7097.33	5677.86	4258.39	2838.92	1419.45	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
TERM LOAN REPAYMENT	Million INR	0.00	0.00	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TERM LOAN CLOSING	Million INR	14194.68	14194.68	12775.21	11355.74	9936.27	8516.80	7097.33	5677.86	4258.39	2838.92	1419.45	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	



PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25
INTEREST ON TERM LOAN	Million INR	993.63	993.63	993.63	894.26	794.90	695.54	596.18	496.81	397.45	298.09	198.73	99.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORKING CAPITAL LOAN	Million INR	393.58	396.74	401.97	406.59	411.26	416.63	422.05	427.52	433.06	438.66	444.32	450.08	456.53	462.44	469.05	475.76	482.57	489.47	496.49	504.23	511.49	519.47	527.60	535.88	544.30
INTEREST ON WORKING CAPITAL LOAN	Million INR	27.55	27.77	28.14	28.46	28.79	29.16	29.54	29.93	30.31	30.71	31.10	31.51	31.96	32.37	32.83	33.30	33.78	34.26	34.75	35.30	35.80	36.36	36.93	37.51	38.10



Clean Green Energy Mission - Report
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LC		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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
INTEREST ON TERM LOAN																											
INTEREST ON TERM LOAN	Million INR	993.63	993.63	993.63	894.26	794.90	695.54	596.18	496.81	397.45	298.09	198.73	99.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BOOK DEPRECIATION																											
OPENING VALUE	Million INR	19312.48	18617.23	17921.98	17226.73	16531.48	15836.23	15140.98	14445.73	13750.48	13055.23	12359.98	11664.73	10969.48	10274.23	9578.98	8883.73	8188.48	7493.23	6797.98	6102.73	5407.48	4712.23	4016.98	3321.73	2626.48	
BOOK DEPRECIATION	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	
CLOSING VALUE	Million INR	18617.23	17921.98	17226.73	16531.48	15836.23	15140.98	14445.73	13750.48	13055.23	12359.98	11664.73	10969.48	10274.23	9578.98	8883.73	8188.48	7493.23	6797.98	6102.73	5407.48	4712.23	4016.98	3321.73	2626.48	1931.23	
CUMULATIVE DEPRECIATION	Million INR	695.25	1390.50	2085.75	2781.00	3476.25	4171.50	4866.75	5562.00	6257.25	6952.50	7647.75	8343.00	9038.25	9733.50	10428.75	11124.00	11819.25	12514.50	13209.75	13905.00	14600.25	15295.50	15990.75	16686.00	17381.25	
O & M EXPENSES																											
SOLAR PV POWER PLANT O & M	Million INR	360.00	377.28	395.42	414.48	434.49	455.50	477.58	500.76	525.13	550.72	577.61	605.88	635.58	666.80	699.61	734.11	770.37	808.51	848.60	890.77	935.11	981.75	1030.81	1082.42	1136.72	
BESS PLANT O & M	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL O & M EXPENSES	Million INR	360.00	377.28	395.42	414.48	434.49	455.50	477.58	500.76	525.13	550.72	577.61	605.88	635.58	666.80	699.61	734.11	770.37	808.51	848.60	890.77	935.11	981.75	1030.81	1082.42	1136.72	
WATER COST																											
WATER COST	Million INR	8.25	8.65	9.06	9.50	9.96	10.44	10.94	11.48	12.03	12.62	13.24	13.88	14.57	15.28	16.03	16.82	17.65	18.53	19.45	20.41	21.43	22.50	23.62	24.81	26.05	
SOLAR PV MODULE REPLACEMENT COST																											
NO OF PV MODULES FOR REPLACEMENT	NOS	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	
PV MODULE UNIT COST	INR	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	8120.00	
SOLAR PV MODULE REPLACEMENT COST	Million INR	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	
RETURN ON EQUITY																											
RETURN ON EQUITY	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
INTEREST ON WORKING CAPITAL																											
WORKING CAPITAL	Million INR	524.77	528.99	535.96	542.12	548.34	555.50	562.73	570.03	577.41	584.88	592.43	600.10	608.71	616.59	625.40	634.35	643.42	652.63	661.99	672.31	681.99	692.63	703.47	714.50	725.73	
INTEREST ON WORKING CAPITAL	Million INR	27.55	27.77	28.14	28.46	28.79	29.16	29.54	29.93	30.31	30.71	31.10	31.51	31.96	32.37	32.83	33.30	33.78	34.26	34.75	35.30	35.80	36.36	36.93	37.51	38.10	
INCOME TAX																											
INCOME TAX	Million INR	0.00	0.00	150.86	214.85	275.13	334.33	390.45	443.76	494.51	542.90	589.12	633.36	677.94	696.75	716.14	734.02	750.46	765.57	779.41	794.15	805.59	824.47	871.13	877.15	882.50	
TOTAL COST OF GENERATION																											
TOTAL COST OF GENERATION	Million	2127.02	2144.92	2314.70	2299.14	2280.86	2262.56	2242.28	2220.33	2197.02	2172.63	2147.39	2121.58	2097.64	2148.79	2202.20	2255.84	2309.85	2364.46	2419.80	2478.22	2535.52	2602.67	2700.08	2759.48	2820.96	



PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25		
	INR																											
LEVELIZED COST OF GENERATION (LCOG)																												
DISCOUNTING FACTOR		1.00	0.89	0.80	0.71	0.64	0.57	0.51	0.45	0.40	0.36	0.32	0.29	0.26	0.23	0.20	0.18	0.16	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.07		
LCOG - GREEN RE POWER																												
COST OF GENERATION	INR/ KWH	2.01	2.05	2.22	2.21	2.21	2.20	2.19	2.17	2.16	2.14	2.13	2.11	2.10	2.15	2.22	2.28	2.34	2.41	2.48	2.55	2.61	2.70	2.81	2.88	2.96		
DISCOUNTED COST OF GENERATION	INR/ KWH	2.01	1.82	1.78	1.57	1.41	1.25	1.12	0.98	0.86	0.77	0.68	0.61	0.55	0.49	0.44	0.41	0.37	0.36	0.32	0.31	0.26	0.24	0.22	0.20	0.21		
LEVELIZED COST OF GENERATION (LCOG)	INR/ KWH	2.19																										



Clean Green Energy Mission - Report
GREEN SOLAR POWER GENERATION

RV ESTIMATION OF REVENUE GENERATION		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25
PROJECTED REVENUE																										
REVENUE FROM SALE OF RE GREEN POWER																										
RE GREEN POWER GENERATION	Million KWHR	1056.90	1046.33	1042.15	1037.99	1033.83	1029.70	1025.58	1021.48	1017.39	1013.32	1009.26	1005.23	1001.21	997.21	993.22	989.25	985.28	981.34	977.42	973.51	969.62	965.74	961.87	958.03	954.20
RE GREEN POWER SALE PRICE	INR/ KWH	2.60	2.65	2.71	2.76	2.81	2.87	2.93	2.99	3.05	3.11	3.17	3.23	3.30	3.36	3.43	3.50	3.57	3.64	3.71	3.79	3.86	3.94	4.02	4.10	4.18
REVENUE FROM SALE OF RE GREEN POWER	Million INR	2747.94	2772.77	2824.23	2864.85	2905.06	2955.24	3004.95	3054.23	3103.04	3151.43	3199.35	3246.89	3303.99	3350.63	3406.74	3462.38	3517.45	3572.08	3626.23	3689.60	3742.73	3805.02	3866.72	3927.92	3988.56
REVENUE FROM SALE OF CARBON CREDIT																										
ANNUAL TOTAL EMISSION REDUCTION FROM THE PROJECT	tCO ₂ e/ year	924151	914908	911251	907610	903977	900362	896764	893174	889601	886045	882497	878967	875453	871948	868460	864989	861527	858081	854652	851232	847829	844434	841056	837696	834343
CARBON CREDIT SALE PRICE	INR/ tCO ₂ e	943.40	962.26	981.51	1001.14	1021.16	1041.59	1062.42	1083.67	1105.34	1127.45	1149.99	1172.99	1196.45	1220.38	1244.79	1269.69	1295.08	1320.98	1347.40	1374.35	1401.84	1429.87	1458.47	1487.64	1517.39
REVENUE FROM SALE OF CARBON CREDIT	Million INR	871.84	880.38	894.40	908.64	923.11	937.81	952.74	967.91	983.31	998.97	1014.86	1031.02	1047.44	1064.11	1081.05	1098.27	1115.75	1133.51	1151.56	1169.89	1188.52	1207.43	1226.65	1246.19	1266.02
RE GENERATION BASED INCENTIVE (GBI)																										
RE GBI RATE	INR/ KWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REVENUE FROM RE GENERATION BASED INCENTIVE (GBI)	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REVENUE LOSS DUE TO CURTAILMENT / LOSSES FROM SALE OF RE GREEN POWER																										
CURTAILMENT / LOSSES	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REVENUE LOSS DUE TO CURTAILMENT / LOSSES	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUE GENERATION																										
TOTAL REVENUE GENERATION	Million INR	3619.78	3653.15	3718.63	3773.49	3828.17	3893.05	3957.69	4022.14	4086.35	4150.40	4214.21	4277.91	4351.43	4414.74	4487.79	4560.65	4633.20	4705.59	4777.79	4859.49	4931.25	5012.45	5093.37	5174.11	5254.58



Clean Green Energy Mission - Report
GREEN SOLAR POWER GENERATION

PS 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
EARNINGS BEFORE INTEREST TAX DEPRECIATION AMORTIZATION (EBITDA)																											
TOTAL REVENUE	Million INR	3619.78	3653.15	3718.63	3773.49	3828.17	3893.05	3957.69	4022.14	4086.35	4150.40	4214.21	4277.91	4351.43	4414.74	4487.79	4560.65	4633.20	4705.59	4777.79	4859.49	4931.25	5012.45	5093.37	5174.11	5254.58	
NOT USED	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
O&M EXPENSES	Million INR	360.00	377.28	395.42	414.48	434.49	455.50	477.58	500.76	525.13	550.72	577.61	605.88	635.58	666.80	699.61	734.11	770.37	808.51	848.60	890.77	935.11	981.75	1030.81	1082.42	1136.72	
WATER COST	Million INR	8.25	8.65	9.06	9.50	9.96	10.44	10.94	11.48	12.03	12.62	13.24	13.88	14.57	15.28	16.03	16.82	17.65	18.53	19.45	20.41	21.43	22.50	23.62	24.81	26.05	
PV MODULE REPLACEMENT COST	Million INR	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	42.34	
EBITDA	Million INR	3209.19	3224.88	3271.81	3307.17	3341.38	3384.77	3426.83	3467.56	3506.85	3544.72	3581.02	3615.81	3658.94	3690.32	3729.81	3767.38	3802.84	3836.21	3867.40	3905.97	3932.37	3965.86	3996.60	4024.54	4049.47	
EARNINGS BEFORE INTEREST TAXES (EBIT)																											
BOOK DEPRECIATION	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25
EBIT	Million INR	2513.94	2529.63	2576.56	2611.92	2646.13	2689.52	2731.58	2772.31	2811.60	2849.47	2885.77	2920.56	2963.69	2995.07	3034.56	3072.13	3107.59	3140.96	3172.15	3210.72	3237.12	3270.61	3301.35	3329.29	3354.22	
PROFIT BEFORE TAX (PBT)																											
INTEREST ON TERM LOAN	Million INR	993.63	993.63	993.63	894.26	794.90	695.54	596.18	496.81	397.45	298.09	198.73	99.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTEREST ON WORKING CAPITAL	Million INR	27.55	27.77	28.14	28.46	28.79	29.16	29.54	29.93	30.31	30.71	31.10	31.51	31.96	32.37	32.83	33.30	33.78	34.26	34.75	35.30	35.80	36.36	36.93	37.51	38.10	
PBT	Million INR	1492.76	1508.23	1554.79	1689.20	1822.44	1964.82	2105.86	2245.57	2383.84	2520.67	2655.94	2789.69	2931.73	2962.70	3001.73	3038.83	3073.81	3106.70	3137.40	3175.42	3201.32	3234.25	3264.42	3291.78	3316.12	
PROFIT AFTER TAX (PAT)																											
OPENING VALUE	Million INR	19312.48	17381.23	15643.11	14078.80	12670.92	11403.83	10263.45	9237.10	8313.39	7482.05	6733.84	6060.46	5454.41	4908.97	4418.07	3976.26	3578.63	3220.77	2898.69	2608.82	2347.94	2113.15	1931.25	1931.25	1931.25	
TAX DEPRECIATION	Million INR	1931.25	1738.12	1564.31	1407.88	1267.09	1140.38	1026.35	923.71	831.34	748.21	673.38	606.05	545.44	490.90	441.81	397.63	357.86	322.08	289.87	260.88	234.79	181.90	0.00	0.00	0.00	
CLOSING VALUE	Million INR	17381.23	15643.11	14078.80	12670.92	11403.83	10263.45	9237.10	8313.39	7482.05	6733.84	6060.46	5454.41	4908.97	4418.07	3976.26	3578.63	3220.77	2898.69	2608.82	2347.94	2113.15	1931.25	1931.25	1931.25	1931.25	
CUMULATIVE DEPRECIATION	Million INR	17381.23	19119.35	20683.66	22091.54	23358.63	24499.01	25525.36	26449.07	27280.41	28028.62	28702.00	29308.05	29853.49	30344.39	30786.20	31183.83	31541.69	31863.77	32153.64	32414.52	32649.31	32831.21	32831.21	32831.21	32831.21	
TAXABLE INCOME (AFTER LOSS (CF))	Million INR	256.76	465.36	685.73	976.57	1250.60	1519.69	1774.76	2017.11	2247.75	2467.71	2677.81	2878.89	3081.54	3167.05	3255.17	3336.45	3411.20	3479.87	3542.78	3609.79	3661.78	3747.60	3959.67	3987.03	4011.37	
LOSS CARRIED FORWARD (CF)	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TAX	Million INR	0.00	0.00	150.86	214.85	275.13	334.33	390.45	443.76	494.51	542.90	589.12	633.36	677.94	696.75	716.14	734.02	750.46	765.57	779.41	794.15	805.59	824.47	871.13	877.15	882.50	
PAT	Million INR	1492.76	1508.23	1403.93	1474.35	1547.31	1630.49	1715.41	1801.81	1889.33	1977.77	2066.82	2156.33	2253.79	2265.95	2285.59	2304.81	2323.35	2341.13	2357.99	2381.27	2395.73	2409.78	2393.29	2414.63	2433.62	
NET CASH ACCRUAL																											
NET CASH ACCRUAL	Million	2188.01	2203.48	2099.18	2169.60	2242.56	2325.74	2410.66	2497.06	2584.58	2673.02	2762.07	2851.58	2949.04	2961.20	2980.84	3000.06	3018.60	3036.38	3053.24	3076.52	3090.98	3105.03	3088.54	3109.88	3128.87	



PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
	INR																										
CUMULATIVE CASH ACCRUAL	Million INR	2188.01	4391.49	6490.67	8660.27	10902.8 3	13228.5 7	15639.2 3	18136.2 9	20720.8 7	23393.8 9	26155.9 6	29007.5 4	31956.5 8	34917.7 8	37898.6 2	40898.6 8	43917.2 8	46953.6 6	50006.9 0	53083.4 2	56174.4 0	59279.4 3	62367.9 7	65477.8 5	68606.7 2	



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GREEN SOLAR POWER GENERATION

CF 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
OPERATING CASH FLOW																											
PAT	Million INR	1492.76	1508.23	1403.93	1474.35	1547.31	1630.49	1715.41	1801.81	1889.33	1977.77	2066.82	2156.33	2253.79	2265.95	2285.59	2304.81	2323.35	2341.13	2357.99	2381.27	2395.73	2409.78	2393.29	2414.63	2433.62	
ADD:BOOK DEPRECIATION	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	
LESS:W ^o RING CAPITAL REQUIREMENT	Million INR	-524.77	-4.22	-6.97	-6.16	-6.22	-7.16	-7.23	-7.30	-7.38	-7.47	-7.55	-7.67	-8.61	-7.88	-8.81	-8.95	-9.07	-9.21	-9.36	-10.32	-9.68	-10.64	-10.84	-11.03	-11.23	
OPERATING CASH FLOW	Million INR	1663.24	2199.26	2092.21	2163.44	2236.34	2318.58	2403.43	2489.76	2577.20	2665.55	2754.52	2843.91	2940.43	2953.32	2972.03	2991.11	3009.53	3027.17	3043.88	3066.20	3081.30	3094.39	3077.70	3098.85	3117.64	
INVESTING CASH FLOW																											
SUBSIDY RECEIPT	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CASH RESERVE FOR FUTURE INVESTMENT	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NOT USED	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CAPEX BATTERY REPLACEMENT	Million INR	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	
INVESTING CASH FLOW	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FINANCING CASH FLOW																											
INTEREST DURING CONSTRUCTION	Million INR	675.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
W ^o RING CAPITAL LOAN	Million INR	393.58	3.16	5.23	4.62	4.67	5.37	5.42	5.47	5.54	5.60	5.66	5.76	6.45	5.91	6.61	6.71	6.81	6.90	7.02	7.74	7.26	7.98	8.13	8.28	8.42	
TERM LOAN REPAYMENT	Million INR	-0.00	-0.00	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-1419.47	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00
FINANCING CASH FLOW	Million INR	1069.52	3.16	-1414.24	-1414.85	-1414.80	-1414.10	-1414.05	-1414.00	-1413.93	-1413.87	-1413.81	-1413.71	6.45	5.91	6.61	6.71	6.81	6.90	7.02	7.74	7.26	7.98	8.13	8.28	8.42	
NET CASH MOVEMENT																											
NET CASH MOVEMENT	Million INR	2732.76	2202.42	677.97	748.59	821.54	904.48	989.38	1075.76	1163.27	1251.68	1340.71	1430.20	2946.88	2959.23	2978.64	2997.82	3016.34	3034.07	3050.90	3073.94	3088.56	3102.37	3085.83	3107.13	3126.06	
CASH BALANCE																											
OPENING CASH BALANCE	Million INR	0.00	2732.76	4935.18	5613.15	6361.74	7183.28	8087.76	9077.14	10152.90	11316.17	12567.85	13908.56	15338.76	18285.64	21244.87	24223.51	27221.33	30237.67	33271.74	36322.64	39396.58	42485.14	45587.51	48673.34	51780.47	
CLOSING CASH BALANCE	Million INR	2732.76	4935.18	5613.15	6361.74	7183.28	8087.76	9077.14	10152.90	11316.17	12567.85	13908.56	15338.76	18285.64	21244.87	24223.51	27221.33	30237.67	33271.74	36322.64	39396.58	42485.14	45587.51	48673.34	51780.47	54906.53	



Clean Green Energy Mission - Report
GREEN SOLAR POWER GENERATION

BS 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
LIABILITY & EQUITY																											
SHARE CAPITAL - EQUITY	Million INR	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74	5793.74
RETAINED EARNINGS	Million INR	1492.76	3000.99	4404.92	5879.27	7426.58	9057.07	10772.48	12574.29	14463.62	16441.39	18508.21	20664.54	22918.33	25184.28	27469.87	29774.68	32098.03	34439.16	36797.15	39178.42	41574.15	43983.93	46377.22	48791.85	51225.47	
CASH RESERVE FOR FUTURE INVESTMENT	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CAPITAL SUBSIDY RESERVE	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TERM LOAN	Million INR	14194.68	14194.68	12775.21	11355.74	9936.27	8516.80	7097.33	5677.86	4258.39	2838.92	1419.45	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
WORKING CAPITAL LOAN	Million INR	393.58	396.74	401.97	406.59	411.26	416.63	422.05	427.52	433.06	438.66	444.32	450.08	456.53	462.44	469.05	475.76	482.57	489.47	496.49	504.23	511.49	519.47	527.60	535.88	544.30	
TOTAL LIABILITY & EQUITY	Million INR	21874.76	23386.15	23375.84	23435.34	23567.85	23784.24	24085.60	24473.41	24948.81	25512.71	26165.72	26908.34	29168.58	31440.44	33732.64	36044.16	38374.32	40722.35	43087.36	45476.37	47879.36	50297.12	52698.54	55121.45	57563.49	
ASSETS																											
NET FIXED ASSETS	Million INR	18617.23	17921.98	17226.73	16531.48	15836.23	15140.98	14445.73	13750.48	13055.23	12359.98	11664.73	10969.48	10274.23	9578.98	8883.73	8188.48	7493.23	6797.98	6102.73	5407.48	4712.23	4016.98	3321.73	2626.48	1931.23	
RECEIVABLES	Million INR	301.65	304.43	309.89	314.46	319.01	324.42	329.81	335.18	340.53	345.87	351.18	356.49	362.62	367.90	373.98	380.05	386.10	392.13	398.15	404.96	410.94	417.70	424.45	431.18	437.88	
SPARES	Million INR	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	193.12	
O&M TIED UP	Million INR	30.00	31.44	32.95	34.54	36.21	37.96	39.80	41.73	43.76	45.89	48.13	50.49	52.97	55.57	58.30	61.18	64.20	67.38	70.72	74.23	77.93	81.81	85.90	90.20	94.73	
CASH BALANCE	Million INR	2732.76	4935.18	5613.15	6361.74	7183.28	8087.76	9077.14	10152.90	11316.17	12567.85	13908.56	15338.76	18285.64	21244.87	24223.51	27221.33	30237.67	33271.74	36322.64	39396.58	42485.14	45587.51	48673.34	51780.47	54906.53	
TOTAL ASSETS	Million INR	21874.76	23386.15	23375.84	23435.34	23567.85	23784.24	24085.60	24473.41	24948.81	25512.71	26165.72	26908.34	29168.58	31440.44	33732.64	36044.16	38374.32	40722.35	43087.36	45476.37	47879.36	50297.12	52698.54	55121.45	57563.49	
CHECK																											
CHECK	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	



Clean Green Energy Mission - Report
GREEN SOLAR POWER GENERATION

DS 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
DEBT SERVICE COVERAGE RATIO (DSCR)																											
PROFIT AFTER TAX (PAT)	Million INR	1492.76	1508.23	1403.93	1474.35	1547.31	1630.49	1715.41	1801.81	1889.33	1977.77	2066.82	2156.33	2253.79	2265.95	2285.59	2304.81	2323.35	2341.13	2357.99	2381.27	2395.73	2409.78	2393.29	2414.63	2433.62	
DEPRECIATION	Million INR	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25	695.25
INTEREST ON LOAN	Million INR	993.63	993.63	993.63	894.26	794.90	695.54	596.18	496.81	397.45	298.09	198.73	99.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REPAYMENT OF PRINCIPAL	Million INR	0.00	0.00	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	1419.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEBT SERVICE	Million INR	993.63	993.63	2413.10	2313.73	2214.37	2115.01	2015.65	1916.28	1816.92	1717.56	1618.20	1518.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEBT SERVICE COVERAGE RATIO (DSCR)		3.20	3.22	1.28	1.32	1.37	1.43	1.49	1.56	1.64	1.73	1.83	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE DSCR		1.83																									
MINIMUM DSCR		1.28																									



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GREEN SOLAR POWER GENERATION

IR 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	YEAR21	YEAR22	YEAR23	YEAR24	YEAR25	
OVERALL PROJECT																												
CASH OUTFLOW	Million INR	19312.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CASH INFLOW	Million INR	0.00	3209.19	3224.88	3271.81	3307.17	3341.38	3384.77	3426.83	3467.56	3506.85	3544.72	3581.02	3615.81	3658.94	3690.32	3729.81	3767.38	3802.84	3836.21	3867.40	3905.97	3932.37	3965.86	3996.60	4024.54	4049.47	
SALVAGE VALUE	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1931.25	
NET CASH INFLOW	Million INR	-19312.48	3209.19	3224.88	3271.81	3307.17	3341.38	3384.77	3426.83	3467.56	3506.85	3544.72	3581.02	3615.81	3658.94	3690.32	3729.81	3767.38	3802.84	3836.21	3867.40	3905.97	3932.37	3965.86	3996.60	4024.54	5980.72	
IRR (PROJECT)	%	17.30																										
NPV (PROJECT)	Million INR	6281.13																										
PROJECT PAY BACK PERIOD	YEARS	5.78																										
EQUITY																												
CASH OUTFLOW	Million INR	5793.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CASH INFLOW	Million INR	0.00	2188.01	2203.48	2099.18	2169.60	2242.56	2325.74	2410.66	2497.06	2584.58	2673.02	2762.07	2851.58	2949.04	2961.20	2980.84	3000.06	3018.60	3036.38	3053.24	3076.52	3090.98	3105.03	3088.54	3109.88	3128.87	
SALVAGE VALUE	Million INR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1931.25	
NET CASH INFLOW	Million INR	-5793.74	2188.01	2203.48	2099.18	2169.60	2242.56	2325.74	2410.66	2497.06	2584.58	2673.02	2762.07	2851.58	2949.04	2961.20	2980.84	3000.06	3018.60	3036.38	3053.24	3076.52	3090.98	3105.03	3088.54	3109.88	5060.12	
IRR (EQUITY)	%	38.78																										
NPV (EQUITY)	Million INR	10965.08																										
EQUITY PAY BACK PERIOD	YEARS	2.58																										