

DEENDAYAL PORT AUTHORITY

(Erstwhile: DEENDAYAL PORT TRUST)



www.deendayalport.gov.in

EG/WK/4751/part (Stage II)/ 115

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Dated: 09/12/2025

To,
Shri M.C. Macwana,
The Unit Head, Kachchh,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10A, Gandhinagar- 382 010.

Sub: "Development of Integrated facilities (Stage II) within the existing Deendayal Port Trust (Erstwhile Kandla Port Trust) at District Kutch, Gujarat (1. Setting up of Oil Jetty no. 7, 2. Setting up of Barge Jetty at Jafrabadi, 3. Setting up of Barge Port at Veera, 4. Administrative office building at Tuna Tekra, 5. Road connecting from Veera Barge Jetty to Tuna gate by Deendayal Port Authority (Erstwhile Deendayal Port Trust)" - **Pointwise Compliance of the conditions stipulated in NOC issued by GPCB reg.**

- Ref.:** 1) NOC no. 74134 received vide letter no. GPCB/CCA-Kutch-1319/GPCB ID 48573 dated 27/11/2015
2) MoEF&CC, GOI granted EC&CRZ vide letter no. F.No.11-13/2015-IA-III dated 19/02/2020
3) GPCB issued EC to CTE (PCB ID 48573) vide order dated 13/10/2020
4) DPT letter EG/WK/4751/Part(Stage II)/54 dated 29/07/2021.
5) DPT letter EG/WK/4751/Part(Stage II)/145 dated 08/02/2022.
6) DPT letter EG/WK/4751/Part(Stage II)/140 dated 11/07/2022.
7) DPT letter EG/WK/4751/Part(Stage II)/145 dated 03/05/2023.
8) DPT letter EG/WK/4751/Part(Stage II)/369 dated 03/10/2023.
9) DPA letter EG/WK/4751/Part(Stage II)/110 dated 09/08/2024.
10) DPA letter EG/WK/4751/Part(Stage II)/36 dated 24/02/2025.
11) DPA letter EG/WK/4751/Part(Stage II)/44 dated 17/07/2025

Sir,

It is requested to kindly refer above cited references for the said subject.

In this connection, it is to state that, GPCB vide above mentioned letter no. GPCB/CCA-Kutch-1319/GPCB ID 48573 dated 27/11/2015 had granted the NOC/CTE to the aforesaid project.

Subsequently after obtaining Environmental and CRZ Clearance from MoEF&CC,GOI vide F.No.11-13/2015-IA-III dated 19/02/2020, DPA obtained EC to CTE (PCB ID 48573) from Gujarat Pollution Control Board vide order dated 13/10/2020 with a validity period of seven years.

.....Cont.....

Now, please find enclosed herewith, compliance report of conditions stipulated in CTE Order (For the period up to September 2025) along with necessary enclosures as **Annexure I,** for kind perusal & record please.

Further, as per the MoEF&CC, Notification S.O.5845 (E) dated 26.11.2018, stated that **"In the said notification, in paragraph 10, in sub-paragraph (ii), for the words "hard and soft copies" the words "soft copy" shall be substituted"**. Accordingly, we are submitting herewith soft copy of the same via e-mail ID kut-uh-gpcb@gujarat.gov.in.

This has the approval of the Chief Engineer, Deendayal Port Authority.

Thanking You.

Yours faithfully,



XEN (EMC)

Deendayal Port Authority

Encl.: As above

Copy to: Regional Officer,
Gujarat Pollution Control Board,
Regional office,
Kutch (East), Gandhidham-**370201.**
Email Id. ro-gpcb-kute@gujarat.gov.in

Annexure –I

Subject: Development of Integrated facilities (Stage-II) within the existing Deendayal Port Trust (Erstwhile Kandla Port Trust) at District Kutch, Gujarat. (1. Setting up of Oil Jetty No.7. 2. Setting up of Barge jetty at Jafarwadi 3. Setting up of Barge port at Veera; 4. Administrative office building at Tuna Tekra; 5. Road connecting from Veera barge jetty to Tuna gate by M/s Deendayal Port Trust (Erstwhile Kandla Port Trust) (For the period up to September 2025)

Reference: NOC No. 74134 received vide letter no. GPCB/CCA-Kutch-1319/GPCB ID 48573 Dated 27/11/2015

Sr. No	Conditions	Compliance Status								
1	Specific Conditions									
1	Applicant shall not carry out any kind of activities till Environmental Clearances and CRZ clearances is obtained from the statutory authority.	The MoEF&CC, GoI accorded EC & CRZ Clearance for "Development of Integrated facilities (Stage II) within the existing Deendayal Port Trust (Erstwhile Kandla Port Trust) at District Kutch, Gujarat (1. Setting up of Oil Jetty No. 7 2. Setting up of Barge Jetty at Jafrabadi 3. Setting up of Barge port at Veera 4. Administrative office building at Tuna Tekra 5. Road connecting from Veera barge jetty to Tuna gate by M/s Deendayal Port Trust" vide letter dated 19/2/2020.								
2.	You shall strictly adhere to all conditions of Terms of References (TOR) (vide letter no. F No. 11-13/2015-IA-III) by MoEF&CC, New Delhi.	Based on the TOR issued by the MoEF&CC,GoI dated 23/06/2015, the EIA Consultant had prepared EIA/EMP report as per TOR and accordingly, the MoEF&CC,GoI had accorded the EC & CRZ Clearance dated 19/2/2020.								
3.	No ground water shall be used for the project coming under dark zone without permission of competent authority.	No ground water will be used for the project.								
3.	Conditions Under Water Act									
3.1	There shall be no Industrial water consumption and hence there shall be no generation from Manufacturing process and other ancillary industrial operations.	N/a								
3.2	The quantity of domestic waste water (sewage) shall not exceed 18 KL/day	Agreed with the condition								
3.3	The quality of the sewage shall confirm to the following standards <table border="1"><tr><td>Parameters</td><td>Permissible Limit</td></tr><tr><td>BOD (5 days at 20 °C)</td><td>20 mg/liter</td></tr><tr><td>Suspended Solid</td><td>30 mg/lit</td></tr><tr><td>Residual Chlorine</td><td>Minimum 0.5 mg/liter</td></tr></table>	Parameters	Permissible Limit	BOD (5 days at 20 °C)	20 mg/liter	Suspended Solid	30 mg/lit	Residual Chlorine	Minimum 0.5 mg/liter	Point Noted. DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports submitted. The latest Environmental Monitoring Reports is enclosed herewith as Annexure A
Parameters	Permissible Limit									
BOD (5 days at 20 °C)	20 mg/liter									
Suspended Solid	30 mg/lit									
Residual Chlorine	Minimum 0.5 mg/liter									
3.4	The sewage shall be treated in sewage treatment plant and confirm above standards shall be utilized for plantation/gardening area of 2,03,775 m² within the premises	Agreed with the condition.								
3.5	The unit shall install meters at utilities for measuring category wise (category as given in Schedule II of "Water (prevention & control of Pollution) Cess Act-1977 Consumption of Water	Point Noted								
4.	Conditions under Air Act 1981:									
4.1	The following shall be used as fuel in the D.G	Point Noted								

	sets as following rates after proposed expansion				
	Sr. No.	Name of Fuel	Quantity		
	1.	Diesel	50 Lit/day		
4.2	The applicant shall install & Operate air pollution control system in order to achieve process gas emission norms as prescribed below after proposed expansion				DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports submitted.
	Sr n o	Stack Attach ed to	Stack Height in meters	Para mete r	Permissible limit
	1.	D.G set (50 KV)	11	PM SO2 NOx	150 mg/NM3 100 ppm 50 ppm
4.3	The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Emission Standards issued by Ministry of Environment, Forest and Climate Change dated 16 th November 2009.				DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports Submitted.
	Parameters		Time Weighted Average	Concentratio n in Ambient air in µg/m ³	
	Sulphur Dioxide (SO ₂)		Annual 24 Hours	50 80	
	Nitrogen Dioxide (NO ₂)		Annual 24 Hours	40 80	
	Particulate Matter (Size less than 10µm)		Annual 24 Hours	60 100	
	Particulate Matter (Size less than 2.5µm) or PM _{2.5}		Annual 24 Hours	40 60	
4.4	The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emission and the same shall be open for inspection. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc and these shall be painted/displayed to facilitate identification.				N/A
4.5	The Concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels;; Between 6 A.M and 10 P.M : 75 dB(A) Between 10 A.M and 6 P.M : 70 dB(A)				DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports submitted.
					The latest Environmental Monitoring Reports is enclosed herewith as Annexure A
5.	Conditions under Hazardous waste:				

5.1	The applicant shall provide temporary storage facilities for each type of Hazardous waste as per Hazardous waste (Management, Handling & Transboundary Movement) Rules, 2016 as amended from time to time.	DPA issued Grant of License/Permission to carry out the work of collection and disposal of "Hazardous Waste/Sludge/ Waste Oil" from Vessels calling at Deendayal Port" through DPA contractors. Further, it is to state that, all ships are required to follow DG Shipping circulars regarding the reception facilities at Swachh Sagar portal
5.2	The applicant shall be obtain membership of common TSDF site for disposal of Hazardous waste as Categorized in Hazardous waste (Management, Handling & Transboundary Movement) Rules, 2008 as amended thereof	Not applicable
6.	General Conditions	
6.1	Unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within premises, the unit shall tie up with local agencies like gram panchayat, school, social forestry office etc, for the plantation at suitable open land in nearby locality and submit an action plan of plantation for next three years to GPCB.	Point noted. DPA had already taken up Green belt development activity through Forest Department GoG at the cost of 352.32 lakhs (Green belt development in DPA area in an area of 31.942 Ha.). Further, it is relevant to mention here that, DPA has appointed Gujarat Institute of Desert Ecology (GUIDE) for "Green belt development in Deendayal Port Authority and its Surrounding Areas, Charcoal site' (Phase-I)" vide Work Order No.EG/WK/4757/Part [Greenbelt GUIDE], dated 31st May, 2022. The said work is completed and final report was submitted along with compliance submitted on 03/10/2023. Further DPA has accorded the work of "Green belt development in DPA and its surrounding area (Phase II) to Gujarat Institute of Desert Ecology (GUIDE), Bhuj for the plantation of 10000 saplings of suitable species vide work order dated 23/06/2023. The work is completed and final report is submitted along with compliance report submitted on 24/02/2025. Further DPA has accorded the work of "Green belt development in DPA and its surrounding area (Phase III) to Gujarat Institute of Desert Ecology (GUIDE), Bhuj for the plantation of 5000 saplings at DPA and 200 saplings at Gopalpuri colony. The inception report is attached herewith as Annexure B . Further, for project at Sr. no. 2 to 5 (construction not yet started), green belt will be developed as per the specified condition.
6.2	Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 10 meters width is developed.	
6.3	The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the water (Prevention and Control of Pollution) Cess Act - 1977	Agreed with the condition. DPA regularly submitted the Environmental Statement in Form V for the whole port area. Copy of same is already submitted along with compliance report submitted on 17/07/2025.
6.4	In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.	Point Noted.

6.5	The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the of the Water (Prevention and Control of Pollution) Act-1974, the air (Prevention & Control of Pollution) Act - 1981 and the Environment (Protection) Act-	Point Noted for the compliance.
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	1986	
6.6	The applicant also comply with the General conditions as per Annexure-I attached herewith (No. 1 to 38) (which ever applicable)	Point Noted for the compliance.
6.7	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level confirm to the standards prescribed under the Environment (Protection) Act, 1989 & Rules.	DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports submitted. The latest Environmental Monitoring Reports is enclosed herewith as Annexure A
6.8	Applicant is required to comply with the manufacturing, storage and Import of Hazardous Chemicals Rules-1989 framed under Environment (Protection) Act -1986	Point Noted.
6.9	If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property, in that case they are obliged to pay the compensation as determined by the competent authority.	Point Noted.
6.10	Applicant shall have to comply with all the guidelines/directives issued/being issued by MoEF/CPCB/DoEF from time to time.	Point Noted.
6.11	Applicant shall not use/withdraw ground water either during construction and/or operation phase.	No ground water will be drawn.
6.12	Environmental cell shall be setup and shall be responsible for the Environmental management.	DPA is already having Environment Management cell. Further, DPA has also appointed expert agency for providing Environmental Experts from time to time. DPA appointed M/s Precitech Laboratories, Vapi for providing Environmental Experts vide work order dated 4/10/2024 (Copy of work order is attached herewith as Annexure C). In addition, it is relevant to submit here that, DPA has appointed a Chief Manager (Environment and Safety) and two Managers (Environment and Safety) on contractual basis for the period of 3 years and further extendable to 2 years (Copy of duty report is attached herewith as Annexure D)

6.13	Monitoring in respect to Air, Water, Noise level shall be carried out and results shall be submitted to GPCB on quarterly basis.	DPA appointed NABL Accredited laboratory for regular Monitoring of environmental parameters since the year 2016 in continuation of this DPA appointed M/s Gujarat Environment Management Institute (GEMI), Gandhinagar (NABL Accredited laboratory) for regular Monitoring of environmental parameters vide work order dated 15/02/2023. The work is in progress & DPA is submitting the monitoring data regularly to all the concerned authorities along with compliance reports submitted. The latest Environmental Monitoring Reports is enclosed herewith as Annexure A
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Annexure–A



सत्यमेव जयते
Forests & Environment Department
Government of Gujarat

**Monthly Environmental Monitoring Plan Report (EMP report)
For
“Preparing and Monitoring of Environmental Monitoring
and Management Plan for Deendayal Port Authority
at Dahej-Hazira-Ghogha for a period of 3 years”
(13th August to 12th September 25)
Final Report**

**Submitted to:
Deendayal Port Authority (DPA), Kandla**

Report Issue No.: GEMI/835(14)/2025/51



Gujarat Environment Management Institute
(An Autonomous Institute of Government of Gujarat)

ISO 9001:2015, 14001:2015 & 45001:2018 Certified Institute

“We Provide Environmental Solutions”



**Final EMP Report for Dahej-Hazira-Ghogha
for 13th August to 12th September 2025**

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Gujarat Environment Management Institute (GEMI)

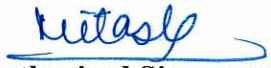
(An Autonomous Institute of Government of Gujarat)

(An ISO 9001:2015 & ISO 14001:2015 & ISO 45001 : 2018 Certified Institute)
(QCI-NABET Accredited EIA Consultant Institute Center)

Certificate

This is to certify that the Monthly Environment Monitoring Plan (EMP) report for the period 13th August to 12th September 2025 for the work entitled, **“Preparing and Monitoring of Environmental Monitoring and Management Plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years”** has been prepared in line with the work order no. **EG/WK/4751/Hazira & Ghogha/285** dated 18/04/2023 allotted by Deendayal Port Authority.

The report has been delivered as per the terms and conditions of the work order Sr. No. 4(3).


Authorized Signatory
S. S. O. & Lab Head

“We Provide Environmental Solutions”

ABOUT THIS DOCUMENT

Gujarat Environment Management Institute (GEMI) has been assigned with the project **“Preparing and Monitoring of Environmental Monitoring and Management Plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years”** (Final EMP report for 13th August to 12th September 25) by Deendayal Port Authority, Kandla. Under the said project, the report titled “Monthly Environmental Monitoring Plan Report (*Final EMP report for 13th August to 12th September 25*)” is prepared.

Name of the Report:	Monthly Environmental Monitoring Plan (EMP report) for “Preparing and Monitoring of Environmental Monitoring and Management Plan for Deendayal Port Authority at Dahej- Hazira-Ghogha for a period of 3 years” (<i>Final EMP report for 13th August to 12th September 25</i>)
Version:	1.0
Report Issue No.	GEMI/835(14)/2025/51
Report Issue Date:	18/11/2025
Prepared by:	Mr. Nirav Nakar, Assistant Environmental Engineer Ms. Ankita Modi, Assistant Environmental Engineer
Contribution by:	Mr. Harsh Pathak (Project Assistant) Mr. Het Trivedi (Project Manager, Ghogha) Mr. Hitesh Dhabe (Project Assistant) Mr. Milan Vadaliya (Project Manager, Hazira)
Reviewed by:	Ms. Jalpa Darji, Deputy Environmental Engineer & Unit Head - 2 Dr. Nitasha Khatri, Senior Scientific Officer & Lab Head
Approved by:	Dr. Jaipal Singh, IFS, PCCF & Director



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Chapter 1. Introduction

1.1 Introduction

Deendayal Port Authority (DPA), Erstwhile Kandla Port Trust, is one of the 13th major ports in India and is located on the west coast of India, in the Gulf of Kutch at 23001'N and 70013'E in the state of Gujarat in India. DPA has commissioned Ro-Ro/Ro-Pax facilities at Hazira and Ghogha, Gujarat. This waterfront is proposed to be operated for berthing and unberthing of ROPAX Ferry vessels to load and unload vehicles along with embarking and disembarking passengers. The travel time between Ghogha and Hazira has reduced from 10 hours to 3.15 hours with the start of the Ro-Ro ferry service. The road distance from Surat to Bhavnagar is 360 kilometers. Whereas the sea route distance is 67 nautical miles only. So, Ro-Ro/Ro-Pax vessels are deployed to reduce travel time and thereby, reduce carbon emission. In compliance with the conditions stipulated in statutory clearances viz. Environmental/CRZ Clearance from the Ministry of Environment & Forest, CRZ recommendations from the state Forest & Environment Department, and NOC from the State Pollution Control Board (SPCB), and to ensure implementation of the project in an environmentally sustainable manner in & around the project site, it is important to monitor the environmental status and prepare an effective environmental monitoring and management plan of the port facility for sustainable development.

In this regard, DPA proposes to formulate a detailed and effective environmental monitoring and management plan by conducting monthly environmental monitoring for its onward submission to the statutory bodies.

Under the said study, monitoring of the various aspects of the environment such as Ambient air, DG stack emissions, meteorology, drinking water, soil, noise, and marine environment- Water, Sediment & Ecological characteristics for the locations at Hazira, Dahej & Ghogha for 3 years needs to be carried out.

This report includes the monthly Environmental Monitoring Plan (EMP) report for monitoring carried out for the month of 13th August to 12th September 25

1.2 Locations for environmental monitoring

Finalized monitoring locations as per the preliminary site visit report are shown in **Table 1** and **Figures 1 to 3**. The monitoring photographs are shown in **Figure 4**.

Table 1: Locations of environmental monitoring components

Locations	Sample code	Latitude	Longitude
Ambient Air Monitoring			
Admin building at Ghogha Ro-Ro ferry	AM-G	21.673483	72.284497
Terminal building at Hazira Ro-Ro ferry	AM-H1	21.077458	72.657147
Staff accommodation at Ro-Ro ferry at Hazira	AM-H2	21.0775717	72.6551994
Admin building at Ro-Ro ferry service at Dahej	AM-D	21.666383	72.561889
Drinking Water Monitoring			
Canteen building at Ghogha Ro-Ro ferry	DW-G	21.677216	72.283060
Terminal building at Hazira Ro-Ro ferry	DW-H	21.077399	72.657189
Canteen building at Ro-Ro ferry service at Dahej	DW-D	21.66435	72.563489
Noise Monitoring			
Admin building at Ghogha Ro-Ro ferry	N-G	21.673481	72.284464
Terminal building at Hazira Ro-Ro ferry	N-H1	21.077458	72.657147
Staff accommodation at Ro-Ro ferry at Hazira	N-H2	21.0775717	72.6551994
Admin building at Ro-Ro Ferry Service at Dahej	N-D	21.666383	72.5561889
Meteorological Data Monitoring			
Admin building at Ghogha Ro-Ro ferry	M-G	21.673483	72.284497
Terminal building at Hazira Ro-Ro ferry	M-H	21.077458	72.657147
Admin building at Ro-Ro Ferry Service at Dahej	M-D	21.666383	72.561889
Soil Quality Monitoring			
Terminal building at Ghogha Ro-Ro ferry	S-G	21.67496	72.284388
Near Terminal building at Hazira Ro-Ro ferry	S-H	21.076353	72.657294
Ro-Ro ferry service at Dahej	S-D	21.666037	72.563489
Marine Water, Ecology and Sediment Monitoring			
Near Ro-Ro ferry terminal at Ghogha	MA-G1	21.67954	72.29433
Away from Ro-Ro ferry terminal at Ghogha and along the ferry route from Ghogha to Hazira	MA-G2	21.665054	72.336313
Near Ro-Ro ferry terminal at Hazira	MA-H1	21.07577	72.65839
Away from Ro-Ro ferry terminal at Hazira and along the ferry route from Hazira to Ghogha	MA-H2	21.072114	72.657794
Near Ro-Ro ferry Service at Dahej	MA-D	21.65988	72.56365
DG stack emission Monitoring			
Near substation-3 at Ghogha Ro-Ro ferry	DG-G	21.6739638	72.2835000
Generator Room near Terminal building at Hazira Ro-Ro ferry	DG-H	21.0775041	72.6563279
Near Substation-1 at Dahej Ro-Ro ferry	DG-D	21.665902	72.562056

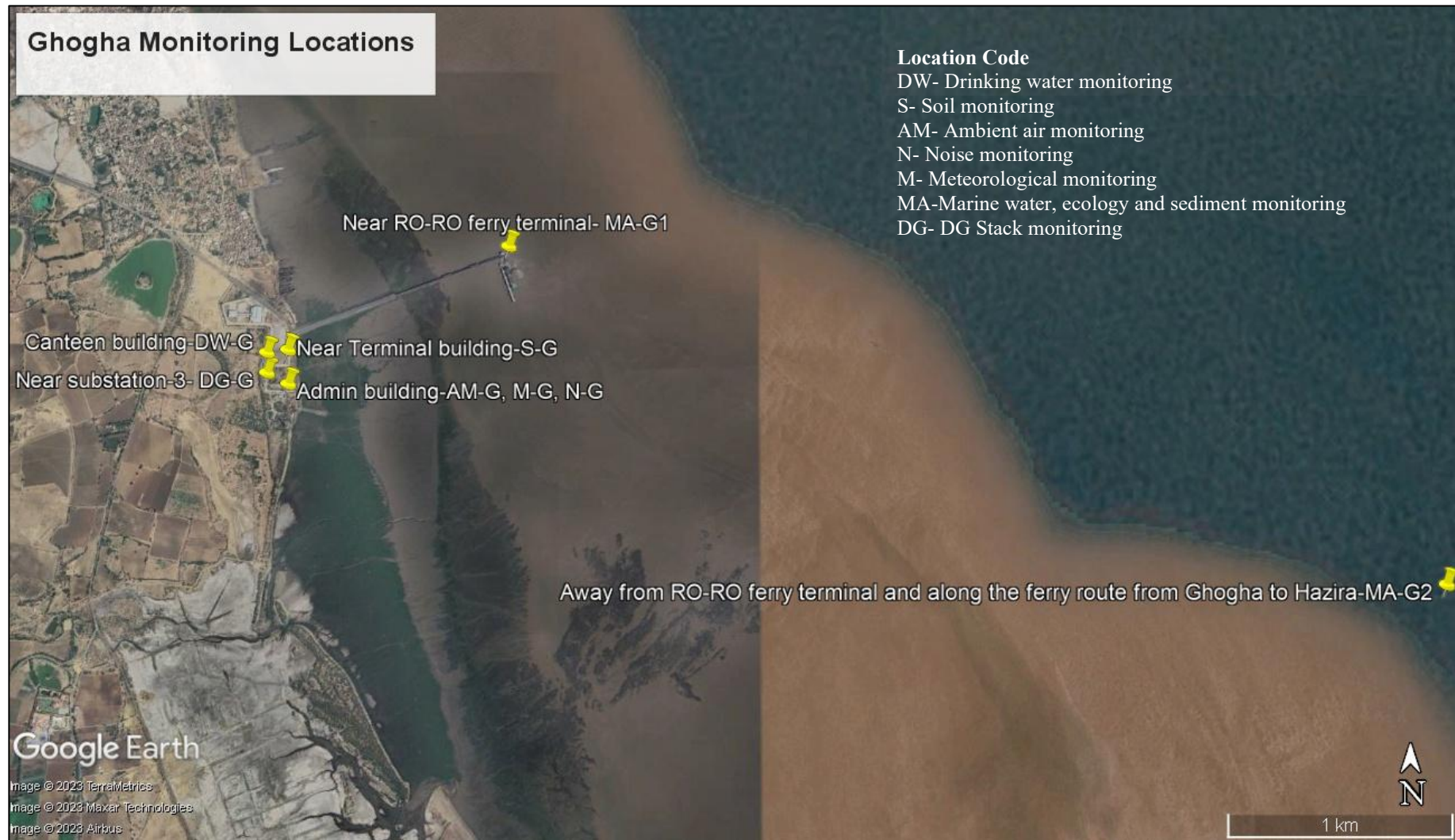


Fig. 1: Sampling locations at Ghogha



Fig. 2: Sampling locations at Hazira



Fig. 3: Sampling locations at Dahej



Fig. 4: Photographs of environmental monitoring

1.3 Details of environmental monitoring components

Detailed plan of environmental monitoring components and its parameters is shown in Table 2.

Table 2: Detailed plan of environmental monitoring components

Sr. No	Parameter	No. of locations	Frequency	Parameters
1.	Ambient air quality monitoring (4 locations)	1 at Ghogha, 2 at Hazira and 1 at Dahej	Twice a week	PM ₁₀ , PM _{2.5} , Sulphur dioxide, Oxides of nitrogen, Carbon monoxide
			Once in a month	Hydrocarbons, Benzene, Volatile Organic Compound, Non-methane VOC
2.	Drinking water monitoring (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Once in a month	Odor, Color, pH, Turbidity, TDS, TSS, Conductivity, Chloride, Calcium as Ca, Magnesium, Total hardness, Sulphate as SO ₄ , Nitrate as NO ₃ , Nitrite as NO ₂ , Fluoride as F, Sodium as Na, Iron as Fe, Potassium as K, Manganese, Total chromium, Hexavalent chromium, Copper, Cadmium, Arsenic, Lead, Zinc, Mercury, Salinity, Free residual chlorine, Microbiological (MPN)
3.	Noise level monitoring (4 locations)	1 at Ghogha, 2 at Hazira and 1 at Dahej	24 hrs period once in a month	Leq (Day) & (Night)
4.	Soil quality monitoring (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Once in a month	Total Organic Matter, Organic Carbon, Inorganic Phosphate, Texture, pH, Conductivity, Particle size distribution & Silt content, SAR, Water holding capacity, Aluminum, Chromium, Nickel, Copper, Zinc, Cadmium, Lead, Arsenic, Mercury
5.	Meteorological data monitoring (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Daily	Wind speed, Wind direction, Rainfall, Humidity, Temperature, Solar radiation
6.	DG emissions (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Once in a month	Particulate Matter, Sulphur dioxide, Oxides of nitrogen, Carbon monoxide, Carbon dioxide
7.	Marine water quality (5 locations)	2 at Ghogha, 2 at Hazira	Once in a month	Odor, Color, pH, Turbidity, TDS, TSS, Conductivity, DO, Particulate organic carbon, COD, BOD, Silica,

Sr. No	Parameter	No. of locations	Frequency	Parameters
		and 1 at Dahej		Phosphate, Sulphate as SO ₄ ⁻ , Nitrate as NO ₃ , Nitrite as NO ₂ , Sodium as Na, Potassium as K, Manganese, Iron as Fe, Total chromium, Hexavalent chromium, Copper, Cadmium, Arsenic, Lead, Zinc, Mercury, Oil & grease, Floating material (scum), Microbiological (MPN), Density
8.	Marine water quality for biological monitoring (5 locations)	2 at Ghogha, 2 at Hazira and 1 at Dahej	Once in a month	Chlorophyll-a, Pheophytin, Productivity (Net & Gross), Biomass; Relative abundance, species composition and diversity of phytoplankton; Relative abundance, species composition and diversity of zooplankton; Relative abundance, species composition and diversity of benthic invertebrates; (Meio, Micro and Macro benthos), Particulate oxidizable organic carbon, Secchi disk depth
9.	Sediments quality (5 locations)	2 at Ghogha, 2 at Hazira and 1 at Dahej	Once in a month	Texture, Organic Matter, Inorganic Phosphate, Silica, Phosphate, Sulphate, Nitrite, Nitrate, Calcium, Magnesium, Sodium, Potassium, Aluminum, Copper, Chromium, Nickel, Zinc, Cadmium, Lead, Arsenic, Mercury

1.4 Sample collection, preservation, storage and transportation to GEMI's Laboratory

Sampling of water and wastewater samples was carried out by 'GEMI's sampling protocol for water and wastewater' approved by the Government of Gujarat vide letter no. ENV-102013-299-E dated 24-04-2014 under the provision of the Water (Preservation and control of pollution) Act 1974. Soil sampling was conducted as per the 'Soil sampling manual by GEMI' published in November 2016. Whereas, for the other components of the environment such as ambient air, noise, & marine ecology, the guidelines/manuals brought out by CPCB were followed. The sampling was carried out by GEMI's trained manpower. The details of the environmental samples and their respective standards are summarized in **Table 3**.

Table 3: Details of sample collection and analysis method for each environmental component

Sr. No.	Type of sample		Manual/ Standards and Protocols	Instruments
1.	Ambient air	IS 5182 (Part 23): 2006	PM ₁₀	Respirable Dust Sampler (RDS) conforming to IS:5182 (Part-23): 2006
		IS:5182 (Part:24):2019	PM _{2.5}	Fine Particulate Sampler (FPS) conforming to IS:5182 (Part-24): 2019
		IS:5182 (Part-2):2001	SO _x	Gaseous attachment conforming to IS:5182 (Part-2):2001
		IS:5182 (Part-6):2006	NO _x	Gaseous attachment conforming to IS:5182 (Part-6): 2006
		GEMI/SOP/AAQM/11; Issue no 01, Issue date 17.01.2019: 2019	Carbon monoxide	Sensor based Instrument
		IS 5182 (Part 11): 2006	Benzene	Low flow air sampler conforming to IS:5182 (Part-11): 2006
		IS 5182 (Part 11): 2006	VOC	Low flow air sampler conforming to IS:5182 (Part-11): 2006
		IS: 5182 (Part 17): 1979	Hydrocarbon	Aluminized plastic bags with on/off valve conforming to IS 5182 (Part 17):1979
		IS: 5182 (Part 17): 1979	Non-methane VOC	Aluminized plastic bags with on/off valve conforming to IS 5182 (Part 17):1979
2.	DG emissions		IS: 11255 and USEPA Method	Sensor based flue gas analyzer (Make: TESTO, Model 350) Stack Monitoring Kit
3.	Meteorological data		Installation of automatic weather stations to get periodic meteorological data as per the requirement	Automatic Weather Stations (AWS)

Sr. No.	Type of sample	Manual/ Standards and Protocols	Instruments
4.	Water (Drinking water, Surface water)	Sampling protocol for water & wastewater approved by the Government of Gujarat vide letter no. ENV-102013-299-E dated 24-04-2014 under the provision of Water (Preservation and Control of Pollution) Act 1974.	For drinking water- Titration apparatus, pH meter and conductivity meter Sample collection method: Grab sampling For marine water - Niskin sampler
5.	Soil and Marine sediments	Soil sampling manual by GEMI published in November 2016	For sediment sample collection –Van veen grab sampler
6.	Noise	IS 9989:2014	Noise meter
7.	Marine ecology	Technical guidance book – An introduction to aquatic biomonitoring using macro-invertebrates, 2021 by CPCB	The sampling of the benthic invertebrates will be carried out with the help of D-frame nets, whereas the sampling of zooplankton and phytoplankton shall be carried out with the help of plankton nets (60 micron and 20 micron).

1.5 Environmental monitoring plan for 13th August to 12th September 25

The Environmental monitoring was carried out for Ambient air, Soil, Drinking water, Noise, Meteorology, DG stack, and Marine environment – water, sediment and ecology. The detailed environmental monitoring plan for the period from 13th August to 12th September 25 is given in Table 4.

Table 4: Environmental monitoring plan for Dahej, Hazira, and Ghogha, 13th August to 12th September 25

Sampling and Monitoring Team	Mr. Harsh Pathak (Project Assistant) Mr. Het Trivedi- Project manager (Ghogha), Mr. Hitesh Dhabe- Project Assistant (Dahej), Mr. Milan Vadaliya- Project manager (Hazira)				
Task	Actual Monitoring Dates				
	Project sites				
Monitoring of Drinking water, Soil, Noise, Marine Water, Sediments and ecology	Dahej	Hazira-1	Hazira-2	Ghogha-1	Ghogha-2
Soil monitoring	20-08-2025	20-08-2025	-	29-08-2025	
Drinking water	20-08-2025	20-08-2025	-	29-08-2025	-
Marine water, sediments and ecology	20-08-2025	20-08-2025	20-08-2025	29-08-2025	29-08-2025
Noise monitoring	14-08-2025	20-08-2025	30-08-2025	28-08-2025	-
Monitoring of DG stack	26-08-2025	18-08-2025	-	04-09-2025	-
Monitoring of ambient air	18-08-2025	19-08-2025	19-08-2025	19-08-2025	-
	19-08-2025	20-08-2025	20-08-2025	20-08-2025	-
	21-08-2025	25-08-2025	25-08-2025	25-08-2025	-
	27-08-2025	28-08-2025	28-08-2025	28-08-2025	-
	29-08-2025	01-09-2025	01-09-2025	01-09-2025	-
	01-09-2025	02-09-2025	02-09-2025	02-09-2025	-
	02-09-2025	08-09-2025	08-09-2025	08-09-2025	-
	03-09-2025	09-09-2025	09-09-2025	09-09-2025	-
Meteorological monitoring	13 th August to 12 th September 25				

Chapter 2. Results and observations of environmental monitoring at Dahej, Hazira & Ghogha

2.0 Monitoring of various environmental components

Monitoring of various environmental components was carried out at the locations listed in **Table 1** above. Details of each component have been mentioned below.

2.1 Ambient air monitoring

Air monitoring was carried out at four locations: 1 at Dahej, 2 at Hazira, and 1 at Ghogha. The monitoring cycle was twice a week for 24-hour sampling. Sampling for benzene, hydrocarbon, non-methane VOC, and VOC was done once a month. **Table 5** shows the results of ambient air monitoring.

Table 5: Result of ambient air quality monitoring

Sr. No.	Parameters	NAAQ Standards, 2009 (Industrial, Residential, Rural & Other areas) for 24 hours	Location code: (AM-D)							
			Sampling Date							
			18-08-2025	19-08-2025	21-08-2025	27-08-2025	29-08-2025	01-09-2025	02-09-2025	03-09-2025
1	PM ₁₀ (µg/m ³)	100 (µg/m ³)	141.94	98.39	93.54	89.73	90.45	81.95	73.97	91.10
2	PM _{2.5} (µg/m ³)	60 (µg/m ³)	15.23	9.90	11.89	13.49	14.83	18.99	19.03	11.56
3	SO ₂ (µg/m ³)	80 (µg/m ³)	33.69	10.48	9.63	12.85	11.52	8.10	7.45	9.20
4	NO _x (µg/m ³)	80 (µg/m ³)	13.21	10.60	11.75	14.36	10.78	13.94	7.03	6.85
5	CO (µg/m ³)	2000 (µg/m ³)	510	480	500	530	550	530	500	520

Sr. No.	Parameters	NAAQ Standards, 2009 (Industrial, Residential, Rural & Other areas) for 24 hours	Location code: (AM-H1)							
			Sampling Date							
			19-08-2025	20-08-2025	25-08-2025	28-08-2025	01-09-2025	02-09-2025	08-09-2025	09-09-2025
1	PM ₁₀ (µg/m ³)	100 (µg/m ³)	60.33	43.30	49.40	69.50	68.86	64.79	94.08	54.81
2	PM _{2.5} (µg/m ³)	60 (µg/m ³)	7.45	<5	28.96	24.80	10.16	13.20	18.20	19.98
3	SO ₂ (µg/m ³)	80 (µg/m ³)	10.34	9.54	12.39	11.40	8.41	7.39	<5	<5
4	NO _x (µg/m ³)	80 (µg/m ³)	6.15	6.19	8.30	12.99	8.53	<6	46.62	50.82
5	CO (µg/m ³)	2000 (µg/m ³)	530	510	520	530	500	540	490	510



Sr. No.	Parameters	NAAQ Standards, 2009 (Industrial, Residential, Rural & Other areas) for 24 hours	Location code: (AM-H2)							
			Sampling Date							
			19-08-2025	20-08-2025	25-08-2025	28-08-2025	01-09-2025	02-09-2025	08-09-2025	09-09-2025
1	PM ₁₀ (µg/m ³)	100 (µg/m ³)	57.10	40.50	45.10	64.45	65.74	62.45	89.02	57.01
2	PM _{2.5} (µg/m ³)	60 (µg/m ³)	8.00	<5	30.62	21.20	10.00	12.04	15.30	16.07
3	SO ₂ (µg/m ³)	80 (µg/m ³)	9.50	8.95	11.79	12.22	7.00	8.10	<5	<5
4	NO _x (µg/m ³)	80 (µg/m ³)	5.55	6.40	7.60	11.90	7.96	<6	40.60	46.33
5	CO (µg/m ³)	2000 (µg/m ³)	560	520	550	500	520	580	510	530

Sr. No.	Parameters	NAAQ Standards, 2009 (Industrial, Residential, Rural & Other areas) for 24 hours	Location code: (AM-G)							
			Sampling Date							
			19-08-2025	20-08-2025	25-08-2025	28-08-2025	01-09-2025	02-09-2025	08-09-2025	09-09-2025
1	PM ₁₀ (µg/m ³)	100 (µg/m ³)	14.91	16.56	19.29	27.09	26.31	33.45	21.66	16.33
2	PM _{2.5} (µg/m ³)	60 (µg/m ³)	6.22	8.40	16.16	16.69	17.67	23.32	13.86	5.47
3	SO ₂ (µg/m ³)	80 (µg/m ³)	10.07	9.36	11.51	10.54	7.99	11.03	<5	<5
4	NO _x (µg/m ³)	80 (µg/m ³)	<6	8.40	<6	7.64	<6	9.65	37.14	49.68
5	CO (µg/m ³)	2000 (µg/m ³)	470	520	530	490	480	450	520	500

Sr. No.	Parameters	NAAQ Standards, 2009 (Industrial, Residential, Rural & Other Areas) for 24 hours	Location Code: (AM-D)	Location Code: (AM-H1)	Location Code: (AM-H2)	Location Code: (AM-G)
			Sampling Date			
			20-08-2025	25-08-2025	28-08-2025	04-09-2025
1	Benzene ($\mu\text{g}/\text{m}^3$)	5 ($\mu\text{g}/\text{m}^3$)	<4.0	<4.0	<4.0	<4.0
2	Hydrocarbons ($\mu\text{g}/\text{m}^3$)	-	<4.0	<4.0	<4.0	<4.0
3	Non-methane VOC ($\mu\text{g}/\text{m}^3$)	-	<4.0	<4.0	<4.0	<4.0
4	VOC ($\mu\text{g}/\text{m}^3$)	-	<4.0	<4.0	<4.0	<4.0

Observations:

- The results of ambient air quality were compared with the National Ambient Air Quality Standards (NAAQS), 2009, specified by the Central Pollution Control Board (CPCB).
- Dahej:
 - The concentration of PM_{2.5}, SO₂, NO_x, CO, Benzene, Hydrocarbons, Non-methane VOC, and VOC were within the standard limit in all the samples.
 - PM₁₀ was higher than the standard limit of 100 $\mu\text{g}/\text{m}^3$ only once.
- Hazira and Ghogha:
 - The concentration of PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Benzene, Hydrocarbons, Non-methane VOC, and VOC were within the standard limit in all the samples.
- The high concentration of PM₁₀ could be attributed to vehicular movement in the port area and surrounding road dust, causing the dispersion of emitted particulate matter in the ambient air.

Preventive measures:

- Water sprinkling on roads, end-to-end pavement of roads, and tree plantations can considerably reduce dust suspension and its emission during vehicular movement.
- Practice should be initiated by using a mask as a preventative measure to avoid the health risk associated with the inhalation of dust particles to the person working in the port area.

2.2 Drinking water monitoring

Drinking water sampling was carried out once a month at three locations, i.e., 1 at Dahej, 1 at Hazira, and 1 at Ghogha. The analysis results were compared with the stipulated standards as per IS 10500:2012 and mentioned in **Table 6** below.

Table 6: Results of drinking water quality monitoring

Sr. No.	Parameters	Unit	Acceptable limit	Permissible limit	Location Code and Sampling Date		
			Standards IS 10500:2012		DW-D	DW-H	DW-G
					20-08-2025	20-08-2025	29-08-2025
1	pH	-	6.5-8.5	No Relaxation	7.52	7.98	7.12
2	EC	μS/cm	-	-	216	48.4	331
3	TDS	mg/L	500	2000	116	26	176
4	Chloride	mg/L	250	1000	18.32	12.05	29.89
5	Total Hardness	mg/L	200	600	88	5	146
6	Calcium as Ca	mg/L	75	200	59	3	72
7	Magnesium as Mg	mg/L	30	100	29	2	74
8	Turbidity	NTU	1.00	5.00	1.45	BQL● (QL=0.5)	0.63
9	Fluoride as F	mg/L	1	1.5	0.44	QL● (QL=0.3)	0.51
10	SO ₄	mg/L	200	400	BQL● (QL=10)	BQL● (QL=10)	29.94
11	Na	mg/L	-	-	14.99	8.03	50.96
12	K	mg/L	-	-	1.83	BQL● (QL=1)	2.55
13	NO ₃	mg/L	45	No relaxation	2.95	2.53	5.01
14	NO ₂	mg/L	-	-	BQL● (QL=0.1)	BQL● (QL=0.1)	BQL● (QL=0.1)
15	Odour	TON	Agreeable	Agreeable	1	1	1
16	Hg	mg/L	0.001	No relaxation	BQL● (QL=0.003)	BQL● (QL=0.003)	BQL● (QL=0.003)
17	Salinity	PSU	-	-	0.10	0.03	0.16

Sr. No.	Parameters	Unit	Acceptable limit	Permissible limit	Location Code and Sampling Date		
			Standards IS 10500:2012		DW-D	DW-H	DW-G
					20-08-2025	20-08-2025	29-08-2025
18	Free Residual Cl ⁻	mg/L	0.2	1	BQL● (QL=2)	BQL● (QL=2)	BQL● (QL=2)
19	Pb	mg/L	0.01	No relaxation	BQL● (QL=0.002)	BQL● (QL=0.002)	BQL● (QL=0.002)
20	Cd	mg/L	0.003	No relaxation	BQL● (QL=0.002)	BQL● (QL=0.002)	BQL● (QL=0.002)
21	Fe	mg/L	0.3	No relaxation	BQL● (QL=0.1)	BQL● (QL=0.1)	BQL● (QL=0.1)
22	Total Cr	mg/L	0.05	No relaxation	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)
23	Hexavalent Cr	mg/L	-	-	BQL● (QL=0.01)	BQL● (QL=0.01)	BQL● (QL=0.01)
24	Cu	mg/L	0.05	1.5	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)
25	Zn	mg/L	5.00	15.00	BQL● (QL=0.5)	BQL● (QL=0.5)	BQL● (QL=0.5)
26	As	mg/L	0.01	0.05	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)
27	Color	Hazen	5.00	15.00	1	1	1
28	TSS	mg/L	-	-	4	BQL●(QL=2)	BQL●(QL=2)
29	Microbiological (MPN) (Total Coliforms)	CFU/100 ml	Shall not be detectable in any 100 ml sample		5	BQL● (QL=1)	120
30	Mn	mg/L	0.1	0.3	BQL● (QL=0.04)	BQL● (QL=0.04)	BQL● (QL=0.04)

BQL – Below Quantification Limit, QL– Quantification Limit

Observations:

- The samples were collected from the respective drinking water sources at the monitored locations. The following were observed from the analysis of drinking water samples.
- At all three locations, Dahej, Hazira, and Ghogha, all parameters were within the standard acceptable limit, except the following.
- At Ghogha, the concentration of Mg (74mg/L) exceeded the acceptable limit of 30 mg/L but not exceeded the permissible limit of 100 mg/L.
- At Dahej, the concentration of Turbidity (1.45 NTU) exceeded the acceptable limit of 1 NTU but not exceeded the permissible limit of 1.5 NTU.
- The concentration of Total coliform content at Dahej, Hazira, and Ghogha was detected as 5, BQL, and 120 CFU/100 ml, respectively.

Preventive measures:

- The presence of the Total Coliforms in all samples indicates microbiological contamination. Therefore, regular cleaning and maintenance of the RO system/water storage tank is recommended. It is required to ensure an efficient operation of the disinfection system to prevent the contamination of water from coliform.

2.3 Noise level monitoring

Noise monitoring was conducted at all four locations, i.e., 1 at Dahej, 2 at Hazira, and 1 at Ghogha. The monitoring was conducted once a month at all the locations for 24 hours. The results of the noise monitoring are mentioned in **Table 7**. The results were compared with the prescribed limit of noise level as per the noise standards of Environment Protection Rules, 2000, as given in **Table 8**.

Table 7: Results of noise monitoring

Sr. No.	Location Code	Date of Monitoring	Day Time			Night Time		
			Max.	Min.	Leq.	Max.	Min.	Leq.
1	N-D	14-August-25	57.8	51.6	53.8	48.8	41.1	44.9
2	N-H1	20-August-25	62.9	53.7	58.0	53.5	43.1	46.7
3	N-H2	30-August-25	59.4	52.9	56.7	59.4	44.2	48.1
4	N-G	28- August-25	71.3	56.2	60.6	62.5	40.7	47.2

Table 8: Ambient air quality norms with respect to noise

Area Code	Type of area	Noise dB(A) Leq	
		Day time	Night time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silent zone	50	40

Observations:

- Average Leq noise levels, for Day-time and Night-time at all locations, Dahej, Hazira, and Ghogha, were found below the maximum permissible limits defined for “Industrial area”.

2.4 Soil quality monitoring

Soil quality monitoring was carried out at all three locations, 1 at Dahej, 1 at Hazira, and 1 at Ghogha, once a month. **Table 9** shows the analysis results of soil quality.

Table 9: Results of soil quality monitoring

Sr. No.	Parameters		Unit	Location Code & Date of Sampling		
				S-D	S-H	S-G
				20-08-2025	20-08-2025	29-08-2025
1	Organic Carbon		%	0.35	0.39	0.68
2	Total Organic Matter		%	0.61	0.67	1.17
3	Inorganic Phosphate (Av. Phosphorous)		kg/Ha	0.81	0.83	0.71
4	Particle size distribution & silt content	Sand %	-	43.73	25.69	38.98
5		Silt %	-	23.98	31.99	42.40
6		Clay %	-	32.29	42.31	18.31
7	Texture	Type of soil	-	Clay loam	Clay	Loam
8	pH		-	9.41	9.8	8.51
9	Conductivity		dS/m	2.18	0.54	0.59
10	SAR		meq/L	6.32	1.82	0.15
11	Water Holding Capacity		%	54.38	69.97	59.95
12	Al		mg/kg	10513.99	13419.32	26587.56
13	Cr		mg/kg	92.19	103.86	108.41
14	Ni		mg/kg	33.67	38.93	40.72
15	Cu		mg/kg	48.27	60.77	67.26
16	Zn		mg/kg	50.75	57.17	66.88
17	Cd		mg/kg	BQL● (QL=1)	BQL● (QL=1)	BQL● (QL=1)
18	Pb		mg/kg	3.13	2.7	6.71
19	As		mg/kg	3.18	3.14	2.8
20	Hg		mg/kg	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)

BQL – Below Quantification Limit QL- Quantification Limit

To classify the soil quality, the soil quality standards- “Soil fertility class by Soil Health card 2015” & “Standard limit EU 2002” were adopted and shown in **Table 10** below.

Table 10: Soil quality standard

Soil fertility class by Soil Health Card (SHC 2015)				
Sr. No.	Parameter	Range & Interpretation of Result		
1	pH	Acidic <6.5	Normal 6.5-8.2	Alkaline >8.2
2	Electrical Conductivity (dS/m)	Normal <1	Medium 1-3	Harmful >3
3	Available Phosphorus (kg/Ha)	Low < 28	Medium 28-56	High >56
4	Organic Carbon (%)	Low < 0.5	Medium 0.5-0.75	High > 0.75
5	Zinc (mg/kg)	Low < 0.5	Medium 0.5-1.0	High >1.0
6	Copper (mg/kg)	Low < 0.2	Medium 0.2-0.4	High >0.4

Standard limit EU 2002		
7	Chromium (mg/kg)	150
8	Lead (mg/kg)	300
9	Cadmium (mg/kg)	3.0
10	Nickel (mg/kg)	75

Observations:

- The soil texture was identified as ‘Clay loam’ type at Dahej, ‘Clay’ at Hazira and ‘Loam’ type at Ghogha.
- The pH value in soil was found to be ‘Alkaline’ at all three locations.
- Electrical Conductivity at Dahej was found in the ‘Medium’ Category, and Hazira and Ghogha were found to be in the ‘Normal’ category.
- Available phosphorus falls under the ‘Low fertility’ quality class at all three locations.
- The Organic carbon content in the soil was found in the ‘Low fertility’ class at Dahej and Hazira and ‘Medium fertility’ at Ghogha locations.
- The values of Zn and Cu were found in the ‘High fertility’ class at all three locations.
- The heavy metals, including Cr, Pb, Cd, and Ni, were detected within permissible limits at all three locations.
- The overall quality of the soil at all three locations was found to have low essential nutrients, hence less suitable for plant growth.

2.5 Marine Water, Sediment & Ecology Monitoring

Marine water, sediment, and ecology monitoring was carried out at five locations: 1 at Dahej, 2 at Hazira, and 2 at Ghogha. The results and observations are mentioned below.

2.5.1 Marine Water Quality Monitoring

The analysis results of the marine water are presented in **Table 11** below. The results of marine water quality were compared with the water quality criteria for the designated best use for the coastal water stipulated by the ‘Environment (Protection) Act, 1986’, shown in **Table 12**.

Table 11: Result of marine water quality monitoring

Sr. No.	Parameters	Unit	Location code & date of sampling				
			MA-D	MA-H1	MA-H2	MA-G1	MA-G2
			20-08-2025	20-08-2025	20-08-2025	29-08-2025	29-08-2025
1	EC	μS/cm	29,780	27,366	30,457	37,100	37,300
2	DO	mg/L	6.7	5.84	6.19	5.3	6.5
3	pH	-	7.75	7.39	7.34	7.49	7.61
4	Color	Hazen	5	5	10	5	5
5	Odor	TON	1	1	1	1	1
6	Turbidity	NTU	>500 (QL=500)	432	>500 (QL=500)	215	72.7
7	TDS	mg/L	19,357	17,788	19,797	25,720	25,812
8	TSS	mg/L	430	372	467	278	188
9	Particulate Organic Carbon	mg/L	7.73	3.05	8.28	1.93	1.06
10	COD	mg/L	47.32	44.4	37.63	35.8	29.1
11	BOD	mg/L	4.9	BQL● (QL=3)	5.07	BQL● (QL=3)	BQL● (QL=3)
12	Silica	mg/L	>5 (QL=5)	>5 (QL=5)	>5 (QL=5)	7.52	6.89
13	PO ₄	mg/L	3.07	0.63	2.34	BQL● (QL=0.5)	BQL● (QL=0.5)
14	SO ₄	mg/L	1351.91	1208	1385.53	1709.85	1655.05
15	NO ₃	mg/L	5.28	7.09	6.35	5.10	5.17
16	NO ₂	mg/L	BQL● (QL=0.1)	0.29	0.23	BQL● (QL=0.1)	BQL● (QL=0.1)
17	Na	mg/L	5768.80	4214	5135.18	>10,000 (QL=10,000)	>10,000 (QL=10,000)
18	K	mg/L	218.40	88.80	185.25	1390	1188
19	Mn	mg/L	1.19	0.34	3.03	0.10	BQL● (QL=0.04)

Sr. No.	Parameters	Unit	Location code & date of sampling				
			MA-D	MA-H1	MA-H2	MA-G1	MA-G2
			20-08-2025	20-08-2025	20-08-2025	29-08-2025	29-08-2025
20	Fe	mg/L	8.99	3.7	8.98	1.43	0.33
21	Total Cr	mg/L	0.02	0.01	0.02	BQL● (QL=0.005)	BQL● (QL=0.005)
22	Hexavalent Cr	mg/L	BQL● (QL=0.01)	BQL● (QL=0.01)	BQL● (QL=0.01)	BQL● (QL=0.01)	BQL● (QL=0.01)
23	Cu	mg/L	0.06	0.02	0.11	0.01	BQL● (QL=0.005)
24	Cd	mg/L	BQL● (QL=0.002)	BQL● (QL=0.002)	BQL● (QL=0.002)	BQL● (QL=0.002)	BQL● (QL=0.002)
25	As	mg/L	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)
26	Pb	mg/L	0.01	0.002	0.02	BQL● (QL=0.002)	BQL● (QL=0.002)
27	Zn	mg/L	BQL● (QL=0.5)	BQL● (QL=0.5)	BQL● (QL=0.5)	BQL● (QL=0.5)	BQL● (QL=0.5)
28	Hg	mg/L	BQL● (QL=0.003)	BQL● (QL=0.003)	BQL● (QL=0.003)	BQL● (QL=0.003)	BQL● (QL=0.003)
29	Oil & grease	mg/L	BQL● (QL=1)	BQL● (QL=1)	BQL● (QL=1)	BQL● (QL=1)	BQL● (QL=1)
30	Microbiological (MPN) (Total Coliforms)	MPN/ 100 ml	23	23	23	BQL● (QL=1)	BQL● (QL=1)
31	Density	kg/m ³	>1000 (QL=1000)	>1000 (QL=1000)	>1000 (QL=1000)	>1000 (QL=1000)	>1000 (QL=1000)
32	Microbiological (MPN) (Fecal Coliforms)	MPN/ 100 ml	2	13	8	BQL● (QL=1)	BQL● (QL=1)
33	Floating material (Scum, Petroleum products)	-	ND	ND	ND	ND	ND

BQL – Below Quantification Limit, QL- Quantification Limit, ND- Not detected

Table 12: Water quality criteria: Primary water quality criteria for designated best uses for coastal waters [As per “The Environment (Protection) Act, 1986]

Parameters	SW-I	SW-II	SW-III	SW-IV	SW-V
pH	6.5 – 8.5	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.0 – 9.0
Dissolved oxygen (as O ₂), mg/l, min	5 or 60% of saturation value, whichever is higher	4 or 50% of saturation value, whichever is higher	3 or 40% of saturation value, whichever is higher	3 or 40% of saturation value, whichever is higher	3 or 40% of saturation value, whichever is higher
Color & Odour	No noticeable color or offensive odour	No noticeable color or offensive odour	No noticeable color or offensive odour	No noticeable color or offensive odour	None in such concentrations that would impair any usages specifically assigned to this class
Floating matters	No visible, obnoxious floating debris, oil slick, scum	Nothing obnoxious or detrimental for use purpose	No visible, obnoxious floating debris, oil slick, scum	10 mg/l max. (including Oil & grease & scum / petroleum products)	-
Oil & grease, mg/L max. (including petroleum products)	0.1	-	-		-
Suspended solids	None from sewage & industrial origin	-	-	-	-
Heavy metals •Mercury, mg/L (as Hg) •Lead, mg/L (as Pb) •Cadmium, mg/L (as Cd)	•0.001 •0.001 •0.01	-	-	-	-
Turbidity, NTU _{max} .	-	30	30	-	-

Parameters	SW-I	SW-II	SW-III	SW-IV	SW-V
Fecal coliforms, MPN/100ml,max	-	100	500	500	500
BOD, mg/L, 3 days at 27°C, max	-	3	-	5	-
Dissolved ironmg/L max (as Fe)	-	-	0.5	-	-
Dissolved manganese, mg/L max (as Mn)	-	-	0.5	-	-
Sludge deposits,solid refuse, floating solids, oil & grease,scum	-	-	-	-	None except for such a small amount that may result from discharge of appropriately treated sewage & or industrial waste
SW-I: Salt pans, shell fishing, mariculture, and ecologically sensitive zone SW-II: Bathing, contact water sports, and commercial fishing SW-III: Industrial cooling, recreation (non-contact), and aesthetics SW-IV: Harbor waters SW-V: Navigation and controlled waste disposal					

Observations:

Analysis results of the pH, DO, BOD, floating materials and Fecal coliforms showed the suitability of marine water for Harbour Waters. There were no oil slicks or floating trash at the sampling locations.

2.5.2 Marine sediment quality monitoring

The quality of the marine sediment samples collected from Dahej, Hazira & Ghogha from 13th August to 12th September 25 has been summarized in **Table 13**.

Table 13: Result of Marine Sediment Quality Monitoring

Sr. No	Parameters	Unit	Location code and sampling date				
			MA-D	MA-H1	MA-H2	MA-G1	MA-G2
			20-08-2025	20-08-2025	20-08-2025	29-08-2025	29-08-2025
1	Texture	-	Clay loam	Clay loam	Clay loam	Loam	Silt loam
2	Organic matter	%	1.04	1.41	0.67	1.47	1.14
3	Inorganic phosphate (Av. phosphorus)	kg/Ha	1.84	2.71	1.34	0.69	0.9
4	Silica	g/kg	407.82	388.84	473.59	455.69	455.8
5	Phosphate (Total phosphorous)	mg/kg	511.5	413.1	373.8	266.27	225
6	Sulphate	mg/kg	37.2	33.26	38.29	75	80
7	NO ₂	mg/kg	1.07	1.26	1.01	1.13	1.26
8	NO ₃	mg/kg	7.29	6.84	6.53	7.09	6.96
9	Ca	mg/kg	3507	3206.4	2905.8	3707.4	3406.8
10	Mg	mg/kg	2369.74	2755.84	2187.45	3281.18	2855.84
11	Na	mg/kg	3974	4274	3607	3252	5854
12	K	mg/kg	3370	3417	2618	2344	2406
13	Al	mg/kg	14617.55	14853.99	11987.45	26041.7	28701.22
14	Cr	mg/kg	122.11	115.71	102.14	107.26	114.38
15	Ni	mg/kg	39.35	41.02	36.1	53.61	43.5
16	Zn	mg/kg	79.36	69.46	66.77	76.23	73.93
17	Cd	mg/kg	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)	BQL (QL=1)
18	Pb	mg/kg	6.52	2.88	3.46	12.02	7.58
19	As	mg/kg	3.71	3.29	2.9	4.16	2.38
20	Hg	mg/kg	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)	BQL● (QL=0.005)
21	Cu	mg/kg	62.96	58	56.58	90.04	72.21

BQL – Below Quantification Limit QL- Quantification Limit

Observations:

The marine sediment quality at Dahej, Hazira, and Ghogha was compared based on the obtained results, and the following were observed.

- Organic matter in sediment consists of carbon and nutrients in the form of carbohydrates, proteins, fats, and nucleic acids. Sediment organic matter is derived from plant and animal detritus, bacteria, or plankton formed in situ, or derived from natural and anthropogenic sources in catchments. Organic matter was found to be 1.04% at Dahej, 0.67 to 1.41% at

Hazira and 1.14 to 1.47% at Ghogha.

- Inorganic phosphate was found to be 1.84 kg/Ha at Dahej, 1.34 to 2.71 kg/Ha at Hazira and 0.69 to 0.9 kg/Ha at Ghogha. The capacity of sediment to retain or release phosphorus is one of the important factors that influence the concentration of inorganic/organic phosphorus in the overlying waters (Saravanakumar, Rajkumar, Serebiah, & Thivakaran, 2008).
- The texture of the sediments was found to be 'Clay loam' at Dahej and Hazira, and 'Loam' to 'Silt loam' at Ghogha location.
- The concentration of Sulphate was found to be 37.2 mg/kg at Dahej, 33.26 to 38.29 mg/kg at Hazira and 75 to 80 mg/kg at Ghogha. The sulphate concentrations in marine sediment can vary naturally based on geological and hydrological factors.
- Nitrite concentration was found 1.07 mg/kg at Dahej, 1.01 to 1.26 mg/kg at Hazira, and 1.13 to 1.26 mg/kg at Ghogha.
- Nitrate concentration was found to be 7.29 mg/kg at Dahej, 6.53 to 6.84 mg/kg at Hazira, and 6.96 to 7.09 mg/kg at Ghogha.
- Ca was found to be 3507 mg/kg at Dahej, 2905.8 to 3206.4 mg/kg at Hazira, and 3406.8 to 3707.4 mg/kg at Ghogha. The source of Ca accumulation in marine sediment may be due to its naturally occurring element, and its concentration can vary widely from local geological, hydrological conditions and environmental factors. It depends on various factors, including the composition of the underlying rocks and the presence of calcareous organisms such as coral reefs.
- Mg was observed to be 2369.74 mg/kg at Dahej, 2187.45 to 2755.84 mg/kg at Hazira and 2855.84 to 3281.18 mg/kg at Ghogha. Magnesium is an essential component of marine sediments and plays a significant role in marine ecosystem dynamics. The concentration of magnesium in marine sediments can depend on various factors, including the composition of the underlying rocks, sediment type, and local hydrological conditions.
- The values for Sodium in marine sediment were found to be 3974 mg/kg at Dahej, 3607 to 4274 mg/kg at Hazira and 3252 to 5854 mg/kg at Ghogha. Sodium concentrations in marine sediments are often correlated with salinity levels. It is an essential component of marine ecosystems.
- The value for Potassium was found to be 3370 mg/kg at Dahej, 2618 to 3417 mg/kg at Hazira, and 2344 to 2406 mg/kg at Ghogha. Potassium is an essential nutrient for plants and the composition of parent materials, sediment types, weathering processes, and local hydrological conditions.
- The Silica in marine sediment was found to be 407.82 g/kg at Dahej, 388.84 to 473.59 g/kg

at Hazira and 455.69 to 455.8 g/kg at Ghogha. Its presence in marine sediments can be attributed to both natural geological processes and biological contributions, such as mineral weathering, biogenic silica, aquatic plants, and oceanographic processes.

- The Total phosphorus concentration was found to be 511.5 mg/kg at Dahej, 373.8 to 413.1 mg/kg at Hazira and 225 to 266.27 mg/kg at Ghogha. Phosphorus is an essential nutrient for marine ecosystems, playing a crucial role in biological processes. Its presence in marine sediments can have significant implications for nutrient cycling and ecosystem health. It can accumulate on the seafloor due to land runoff, natural weathering, decomposition of organic matter, local geology, etc.
- The sediment quality for the trace metals concentration was compared to the sediment quality guidelines (US Environmental Protection Agency, 1977; Augustynowicz, et al., 2013; Bi, Liu, Guo, & Lu, 2018; Saravanakumar, Rajkumar, Serebiah, & Thivakaran, 2008; Tanmay, Anilava, & Subrata, 2017; Tokatli, 2017; Perin, Bonardi, & Scotto, 1997; Onjefua, et al., 2020; Pazi, 2011), as shown in **Table 14**.

Table 14: Sediment Quality Guidelines (SQG) of the US Environmental Protection Agency (EPA) 1977

Metals	Sediment quality (mg/kg)		
	Not Polluted	Moderately Polluted	Heavily Polluted
As	<3	3-8	>8
Cu	<25	25-50	>50
Cr	<25	25-75	>75
Ni	<20	20-50	>50
Pb	<40	40-60	>60
Zn	<90	90-200	>200
Al	ND	ND	ND
Cd	-	<6	>6
ND- Not detected			

- As per the comparison of the metals to this guideline, a variation in the concentration of the metals was found. The concentration of Pb and Zn was in the 'Not polluted' quality class at all three locations. Ni concentration was in 'Moderately polluted' quality class at Dahej, Hazira & MA-G2 locations whereas it was found in and 'Heavily polluted' quality class at MA-G1. Cd concentrations were in the 'Moderately polluted' quality class at all three locations. Arsenic levels at all locations fell in the 'Not pollute' to 'Moderately polluted' class. The concentrations of Cu fell in 'Heavily Polluted' quality class in all three locations. Cr concentrations were 'Heavily polluted' quality class in all three locations. Sediments are highly dynamic, constantly being deposited and carried away by water currents (Labenua, et al., 2023). The possible reasons for the higher concentration of some heavy metals may be attributed to the high sedimentation rate and to various natural and anthropogenic factors.

2.5.3 Marine ecological monitoring

The various parameters monitored for Marine ecological monitoring are mentioned in **Table 15** and **Table 16** as follows:

Table 15: Results of marine ecological monitoring for Biomass, NPP, GPP, Pheophytin, Chlorophyll-a, Secchi depth & Particulate oxidizable organic carbon

Location code	Sampling date	Biomass	Net Primary Productivity (NPP)	Gross Primary Productivity (GPP)	Pheophytin	Chlorophyll-a	Secchi Depth	Particulate oxidizable organic carbon
		mg/L	mg/L/hr.	mg/L/hr.	mg/m ³	mg/m ³	meter	mg/L
MA-D	20-08-25	504	BQL	0.01	BQL	4.06	0.06	7.73
MA-H1	20-08-25	460	BQL	0.01	BQL	3.07	0.07	3.05
MA-H2	20-08-25	368	BQL	0.05	BQL	5.02	0.06	8.28
MA-G1	29-08-25	216	BQL	BQL	BQL	8.54	0.11	1.93
MA-G2	29-08-25	126	BQL	0.01	BQL	0.72	0.23	1.06

BQL – Below Quantification Limit

Table 16: Results of marine ecological monitoring for Benthic macroinvertebrates, Phytoplankton, and Zooplankton

Location code	Sampling date	Benthic macroinvertebrates (Counts/L)		Phytoplankton (Counts/L)		Zooplankton (Counts/L)	
		Observation	Individual count	Genera	Individual count	Observation	Individual count
MA-D	20-08-25	-	-	Nitzschia	33333	Nil	Nil
MA-H1	20-08-25	-	-	Nitzschia	66667	Nil	Nil
MA-H2	20-08-25	-	-	Skeletonema	33333	Nil	Nil
MA-G1	29-08-25	Mollusca	Hydrobiidae	5.00	Nil	Nil	Nil
MA-G2	29-08-25	-	-	Nil	Nil	Nil	Nil

Observations and Interpretation:

- The essential nutrients that stimulate phytoplankton growth i.e. nitrate, phosphorus along with silica show variable concentrations influenced by monsoon.
- The nitrate concentrations observed are moderate, ranging between 5.10 mg/L and 7.09 mg/L. Silica levels were observed to exceed the quantifiable limits at all monitoring locations. Neither MA-G1 nor MA-G2 exhibited Phosphorus concentrations, which corresponded to absence of phytoplankton. Whereas, phosphorus was detected at MA-D, MA-H1 and MA-H2 which is a reflection for the presence of certain phytoplankton populations of *Nitzschia* and *Skeletonema* with complete absence of zooplankton at all sites. This evidently implies high levels of biomass particularly at MA-D, MA-H1 & MA-H2.
- The season lack the availability of limited or no light. Therefore, though primary producers are there, there is no activity of primary productivity confirming practically absent photosynthetic activity (Natiq Faris, Talib Abedali, & Buhloul AL-Ghizzi, 2022)
- The rainfall is likely to promote the addition of sediments and other compounds to the water body; subsequently, they settle down and result in turbid water. Hence, the Secchi depth values recorded are also very low (0.06 – 0.23m) (Tailor, 2019). The Chlorophyll-a levels were also very low (0.723–8.543 mg/m³) across the sites. Phaeophytin levels are below quantifiable limits across all locations.
- Benthic macroinvertebrate community shows the presence of only one group, Mollusca: Hydrobiidae, recorded at MA-G1, with 5 individuals. Other locations showed no benthic organisms at the monitoring locations.

2.6 Meteorological monitoring

To determine the prevailing micro-meteorological conditions at the project site the Automatic Weather Monitoring Stations (AWS) have been installed at the sites of Dahej, Hazira, and Ghogha at 10 m above the ground.

The summary of hourly meteorological observations recorded at the observatory, Dahej, Hazira, and Ghogha for 13th August to 12th September 25 for the significant parameters has been mentioned in **Table 17**.

Table 17: Results of meteorological monitoring

Sr. No.	Location	Month	Wind direction	Wind speed (m/s)			Rain (mm/hr.) (Avg.)	Relative humidity (%)			Temperature (°C)			Solar radiation (W/m ²) (Avg.)
				Mean	Max	Min		Mean	Max	Min	Mean	Max	Min	
1	M-D	August to September 25	South-South-West	2.05	8.39	0.33	0.23	89.46	92.49	86.73	28.96	29.57	28.36	66.29
2	M-H		South-West	17.39	38.67	6.71	0.25	93.98	96.11	91.95	30.24	30.80	29.65	59.16
3	M-G		West-South-West (WSW)	5.47	18.04	1.14	0.19	82.87	85.24	80.49	28.52	29.38	27.70	59.08

Observations:

The monthly average of maximum and minimum daily observed values, summarized in **Table 17**, has been discussed as follows.

• Temperature

Dahej: The ambient temperature varied from 28.36-29.57°C, with an average temperature of 28.96°C.

Hazira: The ambient temperature varied from 29.65-30.80°C, with an average temperature of 30.24°C.

Ghogha: The ambient temperature varied from 27.70-29.38°C, with an average temperature of 28.52°C.

• Relative humidity

Dahej: The Relative Humidity varied from 86.73-92.49%, with an average humidity of 89.46%.

Hazira: The Relative Humidity varied from 91.95-96.11%, with an average humidity of 93.98%.

Ghogha: The relative humidity varied from 80.49-85.24%, with an average humidity of 82.87%.

• Rainfall

Dahej: The average Rainfall was recorded as 0.23 mm/hr.

Hazira: The average Rainfall was recorded as 0.25 mm/hr.

Ghogha: The average Rainfall was recorded as 0.19 mm/hr.

• Wind speed

Wind speed and direction play a significant role in transporting the pollutants and thus determine the air quality.

Dahej: The wind speed was recorded in the range of 0.33-8.39 m/s, with an average of 2.05m/s.

Hazira: The wind speed was recorded in the range of 6.71-38.67 m/s, with an average of 17.39m/s.

Ghogha: The wind speed was recorded in the range of 1.14-18.04 m/s, with an average of 5.47m/s.

• Solar radiation

The average solar radiation at Dahej, Hazira, and Ghogha was 66.29, 59.16 and 59.08 W/m² respectively.

• Wind rose diagram

The wind-rose diagram has been drawn based on hourly wind speed and direction data. This wind rose reveals that the prevailing winds predominantly blow from a South-South-West (SSW) direction at Dahej, South-West (SW) at Hazira, and West-South-West (WSW) direction at Ghogha.

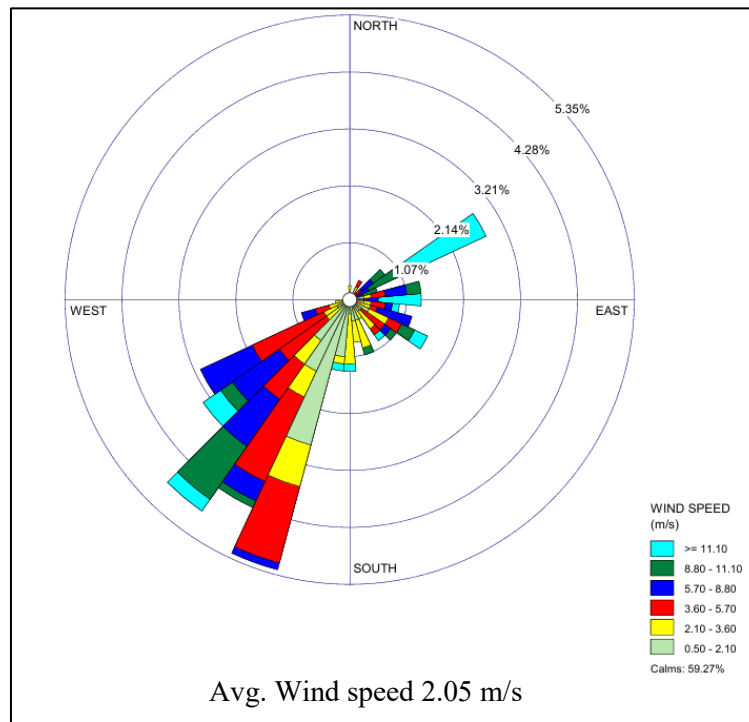


Fig. 5: Windrose diagram of Dahej

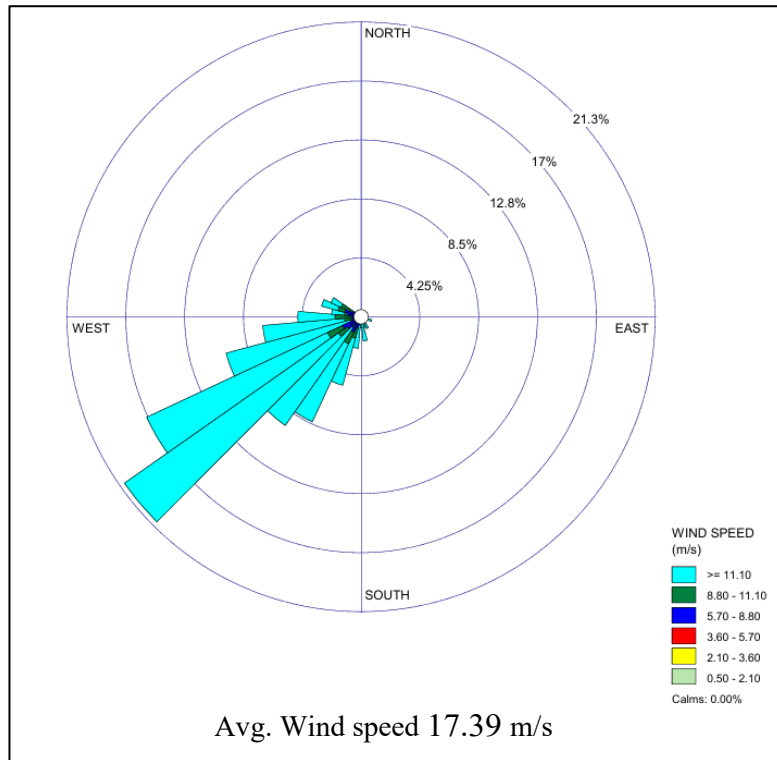


Fig. 6: Windrose diagram of Hazira

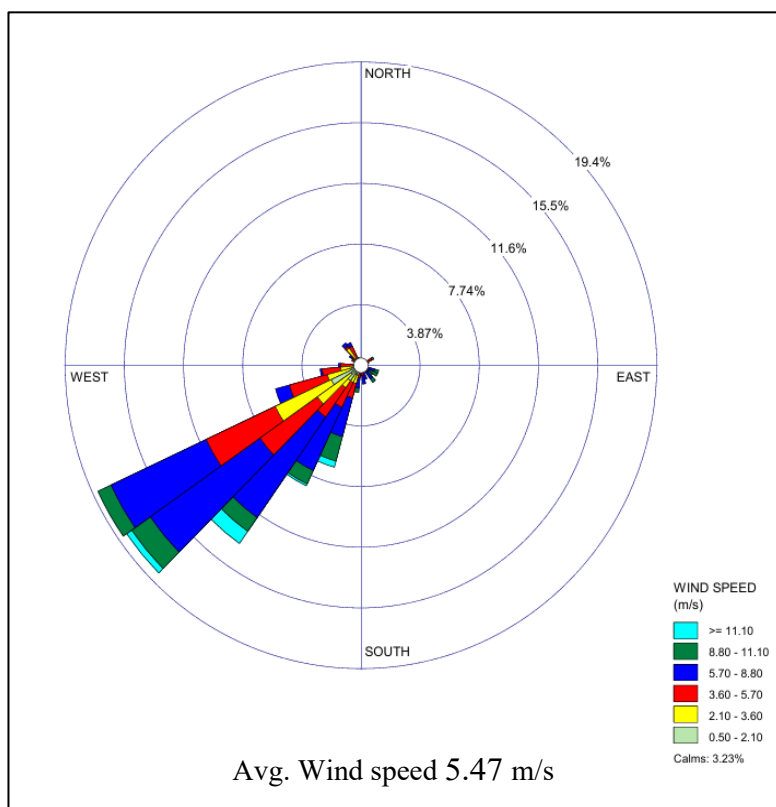


Fig. 7: Windrose diagram of Ghogha

2.7 Monitoring of DG stack emissions

DG sets at the Deendayal Port Authority (DPA) are generally utilized as a secondary power source. The sampling and monitoring of the DG stack emissions were carried out at Dahej, Hazira and Ghogha. The monitoring cycle was once a month. Sampling details of the locations are mentioned in **Table 18**.

Table 18: Result of DG stack emissions

Sr. No.	Parameters	Unit	DG sets standards	Location Code (DG-D)	Location Code (DG-H)	Location Code (DG-G)
				Sampling Date		
				26-08-2025	18-08-2025	04-09-2025
1.	Suspended Particulate Matter (SPM)	mg/Nm ³	150	102	104	105
2.	SO ₂	PPM	100	N.D.	N.D.	N.D.
3.	NO _x	PPM	50	31	44	28
4.	CO	%	-	0.0035	0.0065	0.0017
5.	CO ₂	%	-	1.19	1.22	1.27

N.D. – Not detected

Observations:

The results of DG stack emissions for Hazira, Dahej, and Ghogha are compared with the DG set standards and found within the prescribed limit for SPM, SO₂, and NO_x.

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ANNEXURE-I: Meteorological monitoring data



Dahej Meteorological Data

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
13-08-2025	00:00:00	29.5	29.1	28.8	87.7	86.4	85.1	1.4	1004.5	229.6	20.6	7	1.9	0
13-08-2025	01:00:00	29.2	28.9	28.7	88.4	86.1	82.6	1.4	1004.2	230.8	17.9	7	1.9	0
13-08-2025	02:00:00	29.2	28.8	28.5	85	82.8	80.6	1.3	1003.6	234.1	19.9	8.1	3.3	0
13-08-2025	03:00:00	28.8	28.4	28.2	87.1	84.8	82.9	1.4	1003	236.9	17.9	7.4	2.6	0
13-08-2025	04:00:00	28.5	28.1	27.8	89	87.6	86.2	1.5	1002.2	222.7	13.9	4.7	1.3	0
13-08-2025	05:00:00	28.5	28.1	27.8	89.6	88.5	87.4	1.5	1002.1	238.5	12.6	4.9	1.3	0
13-08-2025	06:00:00	28.7	28.3	28.1	88.5	86.7	85.6	1.5	1002.8	237.1	14.6	4.6	1.3	0
13-08-2025	07:00:00	28.6	28.2	27.9	88.9	87.5	86.1	3.9	1003.3	232.8	15.2	4.2	0	0
13-08-2025	08:00:00	29.2	28.7	28.1	88	84.7	82.6	28.1	1004	234.9	11.9	4.6	0.6	0
13-08-2025	09:00:00	30.2	29.4	28.9	83.7	81.3	78.8	79.6	1004.4	238.6	16.6	5.9	0.6	0
13-08-2025	10:00:00	31.6	30.6	29.9	80.9	77.3	73.7	188.3	1004.9	243	17.9	6.8	1.9	0
13-08-2025	11:00:00	32.4	31.8	30.8	74.5	69.5	66.1	227	1005.2	245.5	19.9	6.2	0.6	0
13-08-2025	12:00:00	33.5	32.2	30.5	75.1	66.7	58.8	268.6	1005	240.8	15.9	5.1	0	0
13-08-2025	13:00:00	33.7	32.4	31.3	69.4	64.3	57.3	214	1004.3	248.4	17.9	6.6	0.6	0
13-08-2025	14:00:00	34.7	33.4	31.3	69.9	62.4	57.4	227	1004.1	164.7	11.3	2.6	0	0
13-08-2025	15:00:00	33.7	33.1	32.3	70.4	64.7	60.2	166.6	1003	164.8	11.3	2.7	0	0
13-08-2025	16:00:00	32.5	32	31.4	73.9	71.5	69.2	121.6	1002	164.2	13.3	2.2	0	0
13-08-2025	17:00:00	31.6	31.3	30.9	76.8	74.4	72.7	84.3	1001.1	145.2	21.2	3.4	0	0
13-08-2025	18:00:00	31	30.5	30.1	84.6	79.2	76.1	32.8	1000.9	176.8	22.6	2.6	1.3	0
13-08-2025	19:00:00	30.4	29.7	29.4	88.7	87	84	3.4	1001.5	135.9	19.2	2.7	1.9	0
13-08-2025	20:00:00	29.9	29.5	29.2	89.9	87	81	1.3	1002	180.9	17.2	3.1	1.3	0
13-08-2025	21:00:00	30	29.6	29.5	84.2	81.8	80.2	1.2	1002.5	179.2	15.2	3.2	1.3	0
13-08-2025	22:00:00	29.9	29.6	29.4	85	82.6	80.7	1.2	1003.1	200.9	17.2	3.9	0.6	0
13-08-2025	23:00:00	29.9	29.5	29.3	85.2	83.8	82.6	1.3	1003.6	204.3	15.2	4.6	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
14-08-2025	00:00:00	29.7	29.4	29.2	86.8	85.3	84.2	1.4	1002.9	210.7	17.2	5.3	1.3	0
14-08-2025	01:00:00	29.7	29.2	29	87	85.7	84.8	1.4	1002.4	218	18.6	7.4	2.6	0
14-08-2025	02:00:00	29.4	29	28.7	87.3	86	84.8	1.4	1001.9	220	15.9	6.3	1.9	0
14-08-2025	03:00:00	29.1	28.7	28.3	90	87.7	86.2	1.5	1001.8	220.7	14.6	6.1	1.3	0
14-08-2025	04:00:00	28.6	28.1	27.7	94.4	91.5	89.1	1.7	1001.7	225.9	17.2	7.3	1.9	0
14-08-2025	05:00:00	28.2	27.9	27.7	95.2	94.5	93.7	1.9	1002	226.3	10.6	4.8	1.9	0
14-08-2025	06:00:00	28.2	27.9	27.7	95.6	94.7	94.2	1.9	1002.3	217.1	8.6	1.6	0	0
14-08-2025	07:00:00	28.2	27.9	27.6	95.6	93.9	90.7	3.1	1002.7	208.9	3.3	0	0	0
14-08-2025	08:00:00	29	28.4	27.8	92.5	90.7	88	33.9	1004	86.6	13.9	3.4	0	0
14-08-2025	09:00:00	30.5	29	28.5	92.4	90.3	86.6	83.3	1004.7	78.5	12.6	4.5	0	0
14-08-2025	10:00:00	32.1	30.9	30	87.2	82.1	76.5	187	1005.4	80.1	15.9	5.6	0.6	0
14-08-2025	11:00:00	33.4	32.1	31.4	79.3	74.8	68.7	219.5	1005.4	97.7	13.9	3.8	0	0
14-08-2025	12:00:00	33.6	33.2	32.9	70.7	68.4	66.8	273.2	1005.4	95.6	14.6	3.6	0	0
14-08-2025	13:00:00	34.2	33.7	33	69.2	64.7	61.6	316.1	1005.1	143.7	13.9	3.2	0	0
14-08-2025	14:00:00	35.1	34.3	33.7	65.7	62.7	58.7	394.3	1004.8	140.8	16.6	3.4	0.6	0
14-08-2025	15:00:00	34.6	33.5	32.5	67.9	64.8	62.2	249.9	1003.8	130.1	16.6	4	1.3	0
14-08-2025	16:00:00	34.7	34.1	33.1	68	62.9	58.7	300.6	1003.2	149.5	19.2	3.1	0.6	0
14-08-2025	17:00:00	33.2	31.9	31.1	76.8	72.9	67.3	90.6	1001.3	178.5	12.6	2.9	0	0
14-08-2025	18:00:00	31.8	31.4	31	78.6	76.3	74.5	74.9	1001.1	129.7	19.9	3.4	0	0
14-08-2025	19:00:00	31.2	30.7	30	82	78.8	76.7	33.4	1001.4	190.2	17.2	3.3	0.6	0
14-08-2025	20:00:00	30.3	29.7	29.4	84.2	82.2	80.9	1	1001.8	211.7	17.9	5.2	1.3	0
14-08-2025	21:00:00	29.8	29.5	29.3	86.4	83.8	82.2	1.1	1002.4	213.7	18.6	4.8	0	0
14-08-2025	22:00:00	29.8	29.4	29.2	88	86.7	85.5	1.3	1002.8	167.4	13.9	3.1	0.6	0
14-08-2025	23:00:00	29.7	29.4	29.1	88.9	87.3	86.2	1.3	1003.4	116.8	13.3	3.6	0	0
15-08-2025	00:00:00	29.7	29.3	29.1	89.2	88.2	87.4	1.4	1003.2	108.9	13.9	3.4	0.6	0
15-08-2025	01:00:00	29.8	29.4	29.2	89.5	88.5	87.7	1.4	1002.9	115	15.9	3.3	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
15-08-2025	02:00:00	29.6	29.3	29	91.2	89.4	87.8	1.5	1002.3	113.7	10.6	2.5	0	0
15-08-2025	03:00:00	29.5	29.2	29	91	89.4	88.5	1.5	1001.4	104.4	7.3	0.6	0	0
15-08-2025	04:00:00	29.6	29	28.6	94.6	91.7	88.7	1.5	1000.9	87.5	11.3	3.6	0	0
15-08-2025	05:00:00	29.1	28.8	28.6	95.8	94.3	91.3	1.6	1001	78.3	11.3	3.1	0	0
15-08-2025	06:00:00	29.3	28.9	28.7	92	89.8	88.4	1.7	1001.1	104.2	7.9	1.1	0	0
15-08-2025	07:00:00	29.4	28.9	28.5	91.6	90.2	88.4	1.7	1001.8	208.8	11.3	3.7	0	0
15-08-2025	08:00:00	29.5	29	28.6	91.5	89.6	88	23.4	1003	217.2	10.6	3.5	0	0
15-08-2025	09:00:00	30.3	29.7	29.1	88.7	84.9	80.5	75.6	1003.7	217.8	9.9	4.2	0	0
15-08-2025	10:00:00	30.6	30.1	29.8	84.1	81.7	79.4	76.3	1004	227.3	11.3	5.1	0	0
15-08-2025	11:00:00	30.7	30.3	30	84	81.4	79.5	105.1	1004.1	223.3	12.6	6	1.9	0
15-08-2025	12:00:00	31.4	30.8	30.1	82.5	78.6	75.7	141.7	1004.3	231.1	13.9	5.5	1.3	0
15-08-2025	13:00:00	33	32.1	31.2	77.3	73.4	69	219	1004.2	201.7	12.6	3.8	0	0
15-08-2025	14:00:00	34.7	33.5	32.5	71.3	67	61.6	293.7	1003.7	144.5	17.9	3.6	0	0
15-08-2025	15:00:00	34.1	33.5	33	68.3	65.3	60.4	287.1	1002.6	124	14.6	3.3	1.3	0
15-08-2025	16:00:00	34.1	33	32.2	66	62.7	58.2	213	1001.5	195.8	14.6	3.7	0	0
15-08-2025	17:00:00	33.5	32.9	32.1	73	68.5	63.6	188.1	1000.5	146.4	19.2	3.4	0	0
15-08-2025	18:00:00	32.3	31.4	30.8	81.1	76.1	71.9	92.1	999.7	200	21.2	4.7	0.6	0
15-08-2025	19:00:00	30.9	30.2	29.7	86.1	83.9	80.9	15.9	1000.1	198.4	17.9	4.5	1.3	0
15-08-2025	20:00:00	30.1	29.8	29.6	88.4	86.5	85.3	1.2	1000.9	214.1	15.2	5.4	0.6	0
15-08-2025	21:00:00	30.1	29.8	29.6	87.9	86.3	84.4	1.3	1001.8	207.2	12.6	4.5	0.6	0
15-08-2025	22:00:00	30.1	29.8	29.6	88.2	86.7	85.9	1.3	1002.1	154.8	14.6	3.2	0	0
15-08-2025	23:00:00	30.1	29.8	29.6	90.6	88.4	86.4	1.4	1002.2	179.3	14.6	3.4	0	0
16-08-2025	00:00:00	30.1	29.6	29.2	92.1	87.8	84.8	1.5	1001.9	219.4	24.6	9	1.9	0
16-08-2025	01:00:00	29.6	29.2	28.9	87.3	83.8	82	1.3	1001	225.6	20.6	9	3.3	0
16-08-2025	02:00:00	29.3	28.9	28.6	87.4	85.2	84	1.4	1000.6	214.5	14.6	5.6	0.6	0
16-08-2025	03:00:00	29	28.7	28.5	89.2	87.4	86	1.5	1000.3	197.8	6.6	2.1	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
16-08-2025	04:00:00	28.9	28.4	28.1	90.8	89.6	88.5	1.5	999.7	206.3	6.6	1.3	0	0
16-08-2025	05:00:00	28.6	28.2	28	90.9	89.7	88.1	1.6	999.6	214.3	8.6	2.8	0	0
16-08-2025	06:00:00	28.6	28.3	28	89.4	88	87.3	1.6	1000	220.5	11.3	4.1	1.3	0
16-08-2025	07:00:00	28.5	27.9	27.6	94.4	92	88	2.1	1000.4	216.3	8.6	3.6	0	0
16-08-2025	08:00:00	28.7	28.1	27.6	94.4	92.9	91.6	18.3	1000.8	228.4	10.6	4.3	1.9	0
16-08-2025	09:00:00	29.5	28.8	28.3	92.3	90.1	87.6	49.8	1001.6	232.2	11.9	4.7	1.3	0
16-08-2025	10:00:00	30.5	29.7	29.1	88.5	85.9	83.9	85.8	1002.2	243.9	10.6	4.3	0.6	0
16-08-2025	11:00:00	30.9	30.3	29.8	85.3	83.3	81.3	104.5	1002.1	235.9	13.9	6.2	1.3	0
16-08-2025	12:00:00	31.7	30.8	30.1	85	81	76.1	153	1001.8	242.7	15.9	6.9	1.3	0
16-08-2025	13:00:00	31.5	30.6	29.2	92.4	82.3	77	123.7	1000.9	240	15.9	6.6	0.6	1.5
16-08-2025	14:00:00	30.4	29.9	29.3	92.9	89.3	86.2	93	1000.4	253.8	9.9	3.2	0	0
16-08-2025	15:00:00	34.2	32.4	30.1	87.1	74.2	63.3	218.4	1000.4	259.6	6.6	1.7	0	0
16-08-2025	16:00:00	34.1	33.1	32.4	72.2	69.4	64.6	165	999	143.5	14.6	1.7	0	0
16-08-2025	17:00:00	33.7	33	32.6	73.7	68.2	63.8	169.2	999	128	13.3	3	0	0
16-08-2025	18:00:00	32.7	31.6	31.2	79	76.4	72.1	83.6	998.4	204.5	14.6	3	0.6	0
16-08-2025	19:00:00	31.4	30	29	91.2	85.9	78.8	14.9	999	217.7	18.6	6	1.3	0
16-08-2025	20:00:00	29.4	28.8	28.4	92.9	91	89.6	1.9	999.7	216.1	19.9	6.4	1.3	0
16-08-2025	21:00:00	29.4	29	28.7	91.4	90.2	88.9	1.8	1000.3	224.7	23.2	8.2	1.9	0
16-08-2025	22:00:00	29.2	28.6	27.8	95.3	90.7	87.5	1.8	1000.7	223.5	12.6	5.2	1.3	0.5
16-08-2025	23:00:00	28.1	27.5	26.7	100.6	97.3	94.5	2.2	1000.8	228.3	11.9	5.7	0	2.5
17-08-2025	00:00:00	27.8	27.3	26.4	107.8	103.1	98.9	2.2	1000	231.6	11.9	4.3	0	1
17-08-2025	01:00:00	27.6	27.2	26.4	108	107.2	106.8	2.2	999.9	234.4	5.9	0	0	0
17-08-2025	02:00:00	27.8	27.2	26.3	108	107.3	106.8	2.2	999.6	243.7	0.6	0	0	0
17-08-2025	03:00:00	27.4	27	26.2	107.9	107.2	105.7	2.2	998.6	0	0	0	0	0
17-08-2025	04:00:00	27.4	27.1	26.2	107.9	107.2	106.8	2.2	998.5	0	0	0	0	0
17-08-2025	05:00:00	27.8	27.2	26.2	107.9	107.3	106.9	2.2	998.5	229.4	0.6	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
17-08-2025	06:00:00	28	27.6	26.7	108	107.2	106.4	2.2	999.3	0	0	0	0	0
17-08-2025	07:00:00	28.3	27.7	26.7	107.7	104.5	99.9	2.2	999.4	0	0	0	0	0
17-08-2025	08:00:00	28.2	27.8	26.8	108	107.2	106.6	3.5	999.6	0	0	0	0	0.5
17-08-2025	09:00:00	29	28.2	27	107.9	103	96.8	30.7	1000.3	226.1	5.3	0	0	0.5
17-08-2025	10:00:00	29.2	28.8	27.9	100.2	97.5	95.8	57.3	1000.9	48.2	11.9	4	0	0
17-08-2025	11:00:00	30.3	29.5	28.7	96.7	92.9	89.1	116.8	1001.2	26.1	11.9	3.1	0	0
17-08-2025	12:00:00	31.4	30.1	29.1	94.9	89	82.9	90.3	1001.2	25.4	11.9	3.3	0	0.5
17-08-2025	13:00:00	30.8	30.1	29.4	94.6	90.5	86.9	140.4	1000.7	62.6	11.9	2.1	0	0
17-08-2025	14:00:00	30.5	29.6	29.2	93.1	91.3	88.5	64.5	999.9	118.9	18.6	5.4	0	0
17-08-2025	15:00:00	32.3	31.4	29.6	91.7	83	79.1	243.6	999.2	129.3	18.6	4.3	0	0
17-08-2025	16:00:00	32.5	31.5	30.3	83.8	79.1	75.7	142.5	998.6	129.6	15.2	3.9	0	0
17-08-2025	17:00:00	30.8	30.2	29.2	89.4	86	83.6	78.7	998	125.7	29.2	6	0	0
17-08-2025	18:00:00	29.7	28.8	28.1	94.8	92.3	88.9	74	997.4	131.5	31.2	5.6	1.9	0
17-08-2025	19:00:00	29.5	29	28.7	94	92.2	89.7	15.1	998.4	161.1	19.2	3.5	0.6	0
17-08-2025	20:00:00	29.2	28.8	28.5	94.6	92.6	91.3	1.6	999.1	205.4	15.2	4.4	0.6	0
17-08-2025	21:00:00	29	28.7	28.5	94.6	93.2	92	1.7	999.9	160	17.2	3.5	0	0
17-08-2025	22:00:00	29	28.7	28.5	93.5	90.9	89	1.7	1000.1	179.9	17.9	3.3	1.3	0
17-08-2025	23:00:00	29.2	28.8	28.5	91.5	90.2	89.1	1.6	1000.8	176.9	21.2	2.7	0.6	0
18-08-2025	00:00:00	29.2	28.8	28.7	91.2	89.6	87.8	1.6	1001	196.6	17.2	3.5	1.3	0
18-08-2025	01:00:00	29.4	29	28.8	90.4	88.9	87.8	1.6	1001	197.8	15.9	3.8	0	0
18-08-2025	02:00:00	29.2	28.7	28.2	93.3	90.2	87.9	1.6	1000.5	211.4	17.2	4.9	0.6	0
18-08-2025	03:00:00	29	28.6	28.3	93.6	92.6	91.7	1.7	1000.2	199.6	7.9	2.5	0	0
18-08-2025	04:00:00	29	27.8	26.7	107.5	98	91.8	1.9	1000.1	206.1	15.9	2.6	0	0.5
18-08-2025	05:00:00	28.2	27.7	26.7	107.9	107.1	105.5	2	999.9	194.7	7.3	0.9	0	0
18-08-2025	06:00:00	28.3	27.8	27.1	107.8	103.5	99.3	2.1	1000.3	97.1	15.2	2.1	0	0
18-08-2025	07:00:00	28.5	27.7	26.7	107.9	104.3	99.5	9.5	1000.2	79.7	14.6	1.9	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
18-08-2025	08:00:00	28.6	27.9	26.7	107.9	101.9	98.6	39.5	1001.1	61.7	24.6	9	0	1
18-08-2025	09:00:00	29.5	28.5	27.1	107.9	99.4	94.4	150.6	1001.9	61.4	22.6	9.7	1.3	0
18-08-2025	10:00:00	31.4	30.4	29.2	95.1	88.5	83.5	197.8	1002.9	63.9	20.6	8.1	1.3	0
18-08-2025	11:00:00	32.9	31.1	29.8	89.9	83.9	75.9	237.1	1002.8	81.9	20.6	6.5	0	0
18-08-2025	12:00:00	34.1	32.9	31.9	80.4	75.1	68.6	288.4	1002.9	108.3	17.2	5.2	0.6	0
18-08-2025	13:00:00	34.1	32.9	32	77.2	73.5	69.5	253	1002.8	93.4	17.9	5.7	0.6	0
18-08-2025	14:00:00	34.5	32.8	31.1	82.8	73.1	65.7	231.3	1001.8	78.8	18.6	6.5	0.6	0
18-08-2025	15:00:00	32.4	31.8	30.9	83	78.9	74.9	188.9	1000	93.7	17.2	6.3	0	0
18-08-2025	16:00:00	32.8	32.3	31.4	79.5	76.5	74.1	189.4	999.7	97.5	18.6	6.1	0	0
18-08-2025	17:00:00	31.7	31.4	31.1	83.3	81.1	78.9	112.2	998.9	108.9	16.6	5.8	0	0
18-08-2025	18:00:00	31.4	31	30.5	84.1	82.9	81.8	63.2	998.6	110.4	17.2	6.6	1.3	0
18-08-2025	19:00:00	30.9	29.9	29	90.1	86.3	83	12.4	999	112.8	23.9	8.5	1.3	0
18-08-2025	20:00:00	29.4	28.9	28.6	94	91.5	89.5	1.4	999.6	83.9	26.6	7.5	1.3	0
18-08-2025	21:00:00	29	28.5	28.3	94.1	93.1	92.3	1.7	1000.2	76.5	35.2	10.9	1.9	0
18-08-2025	22:00:00	28.7	28.3	28	95.1	94	93.2	1.8	1000.8	62.8	31.2	12.7	3.3	0
18-08-2025	23:00:00	28.5	28.1	27.8	96	95	94.2	1.9	1001	58.5	31.2	13.6	4.6	0
19-08-2025	00:00:00	28.4	28	27.3	100.6	97.9	95.1	2	1000.8	55.1	29.9	11.4	1.9	0
19-08-2025	01:00:00	28.8	28.2	27.6	106.1	101	96.9	2.1	1000.4	71.4	23.2	8.3	1.3	0
19-08-2025	02:00:00	28.8	28	26.9	108	102.4	96.3	2.2	999.7	68.9	31.2	9.6	1.3	0
19-08-2025	03:00:00	28.1	27.6	26.7	108	105.1	99.4	2.2	998.7	63.3	33.2	11.4	1.3	0
19-08-2025	04:00:00	28.1	27.5	26.7	107.7	102.5	99.3	2.2	998.2	58.8	33.2	13.5	2.6	0
19-08-2025	05:00:00	27.7	27.3	26.5	108	107.1	105.5	2.2	998.1	58.2	31.9	12.4	3.9	0
19-08-2025	06:00:00	27.5	27.2	26.3	107.9	106.8	105.7	2.2	997.8	55.9	30.5	12.1	2.6	0
19-08-2025	07:00:00	27.3	27	26.3	107.6	106.7	105.9	3	998.5	53.6	28.5	10.6	2.6	0
19-08-2025	08:00:00	27.7	27.2	26.3	108	107	105.6	22	999.6	55.8	27.2	11.4	3.3	0
19-08-2025	09:00:00	28.7	27.8	26.5	107.8	101.8	95	64.9	999.9	59.3	30.5	11.8	3.9	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
19-08-2025	10:00:00	31.2	29.7	28.5	95.9	89.7	83.8	208.5	1000.5	59.1	30.5	11.8	3.3	0
19-08-2025	11:00:00	32.3	31.4	30.9	84.2	80.3	76.7	270.7	1001	57.2	22.6	9.8	3.3	0
19-08-2025	12:00:00	33.2	32.7	32.2	77.1	73	69.9	328.2	1000.4	58.7	23.9	10.8	3.3	0
19-08-2025	13:00:00	33.2	32.7	32.1	73.8	71.5	68.9	278.7	999.8	60.3	27.9	10.9	3.3	0
19-08-2025	14:00:00	34.7	33.8	32.8	71.5	66.6	62.2	381.6	999.9	56.7	25.2	10.1	1.9	0
19-08-2025	15:00:00	35.1	34.6	34.1	64.3	61.3	59.2	323.6	999.2	51.9	20.6	8.5	1.9	0
19-08-2025	16:00:00	35.1	34.6	33.3	71.3	61.2	57.4	235.7	997.9	63.6	20.6	8.1	1.3	0
19-08-2025	17:00:00	33.6	32.8	31.7	80.4	75.1	70.6	109.1	996.8	115.1	15.2	2.5	0	0
19-08-2025	18:00:00	32.8	31.5	30.1	83.9	79.2	73.3	40.9	996.6	69	46.5	9	0	0
19-08-2025	19:00:00	30.5	29.7	29	89.6	85.3	83	17.4	996.6	61.4	40.5	13.5	3.9	0
19-08-2025	20:00:00	29.4	28.9	28.6	92.7	90.7	88.4	1.6	997	56.3	32.5	12.2	2.6	0
19-08-2025	21:00:00	29	28.6	28.3	94.1	92.7	91.9	1.7	997.7	52.4	26.6	9.1	1.3	0
19-08-2025	22:00:00	28.8	28.3	28	93.9	92.9	92.2	1.7	998.4	49.2	23.9	7.7	1.3	0
19-08-2025	23:00:00	28.4	27.9	27.7	94.7	93.6	92.6	1.7	998.4	31.2	16.6	5.4	0	0
20-08-2025	00:00:00	28.1	27.7	27.4	96.7	94.9	93.6	1.7	998	47.1	13.3	4.4	0	0
20-08-2025	01:00:00	28	27.6	27.1	99.4	96.3	95.2	1.8	997.6	66.6	9.9	1.9	0	0
20-08-2025	02:00:00	28	27.7	27.2	99	96.2	95.7	1.8	997.1	343.3	10.6	1.2	0	0
20-08-2025	03:00:00	28	27.6	26.9	99.5	97.1	95.9	1.9	996.7	249.5	13.9	4.3	0	0
20-08-2025	04:00:00	28	27.5	26.8	100.9	98.8	96.4	2	996.3	257.4	12.6	3.2	0	0
20-08-2025	05:00:00	28.1	27.5	26.4	107.9	101.9	98.6	2	996.4	240.3	28.5	5.5	0	1
20-08-2025	06:00:00	27.4	27	26.4	107.8	106.8	105.7	2.2	996.7	237.6	24.6	8.5	0	3.5
20-08-2025	07:00:00	27.6	27.1	26.5	107.7	106.5	105.6	2.2	997.5	225.4	6.6	0.3	0	4.5
20-08-2025	08:00:00	27.5	27	26.5	107.3	106	105.3	4.4	998	0	0	0	0	5.5
20-08-2025	09:00:00	28	27.4	26.7	107.8	106.4	105.4	33.4	998.9	222.5	22.6	6.1	0	0
20-08-2025	10:00:00	27.8	26.8	26	107.8	106.7	105.7	19.1	999.3	228.8	21.2	0	0	0.5
20-08-2025	11:00:00	27.2	26.8	26.2	107.6	106.5	105.5	36	999.5	0	0	0	0	0.5



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
20-08-2025	12:00:00	27.3	26.8	26.2	107.8	106.6	105.5	38.3	999.6	224.9	29.9	5.3	0	0
20-08-2025	13:00:00	27.1	26.6	25.8	107.6	106.3	105.4	17.3	999.4	226.8	30.5	12.5	2.6	4
20-08-2025	14:00:00	26.7	26.1	25.4	107.6	106.2	105.3	37.4	999.1	229.5	28.5	11.7	0	6
20-08-2025	15:00:00	27.8	26.7	25.7	107.8	106.8	105.8	88.4	998.8	219.7	27.9	11.1	0	5
20-08-2025	16:00:00	28.6	27.8	26.8	107.9	104.7	96.5	75.4	998.5	217.1	25.2	9.8	0	0
20-08-2025	17:00:00	29.6	28.8	27.7	100.1	95.3	92.3	122.2	998.5	217.3	31.2	8.9	0	0
20-08-2025	18:00:00	29.2	28.7	28.4	95.5	94.5	93.4	32.2	998.7	218.3	25.9	9.3	1.9	0
20-08-2025	19:00:00	28.9	28.4	28	96.8	94.6	93.1	5.4	999.1	219.4	28.5	10.4	1.9	0
20-08-2025	20:00:00	28.6	28.3	28.1	95.4	93.9	92.8	1.9	999.9	220	31.2	11.2	2.6	0
20-08-2025	21:00:00	28.6	28.2	27.8	95.8	93.7	91.4	1.8	1000.6	225.7	33.9	13	3.3	0
20-08-2025	22:00:00	28.5	28.1	27.8	95.9	94.6	93.5	1.9	1001.3	212.9	30.5	10.9	3.3	0
20-08-2025	23:00:00	28.5	28.2	28	94.4	93.6	92.8	1.8	1002.2	155.2	29.2	11	3.9	0
21-08-2025	00:00:00	28.6	28.2	28	94	93.2	92.6	1.7	1002.3	142.1	28.5	12	3.9	0
21-08-2025	01:00:00	28.6	28.3	28.1	93.8	92.8	92.4	1.7	1002.1	119.3	30.5	12.3	3.9	0
21-08-2025	02:00:00	28.7	28.3	28.1	93.1	91.6	90.7	1.7	1001.6	100.4	38.5	14	4.6	0
21-08-2025	03:00:00	28.6	28.3	28.1	93.3	92.2	91.4	1.7	1001.5	87.7	27.2	12.7	3.3	0
21-08-2025	04:00:00	28.5	28.1	27.8	94.9	93.2	91.4	1.7	1001.9	88.7	29.2	12.4	1.9	0
21-08-2025	05:00:00	28.3	27.9	27.7	95.8	94.5	93.5	1.8	1001.3	89.5	29.2	12.1	3.3	0
21-08-2025	06:00:00	28.3	27.9	27.7	96	95.1	94.4	1.9	1001.5	82.9	26.6	11	3.3	0
21-08-2025	07:00:00	28.8	28.1	27.8	95.4	94.1	92.2	7.1	1001.9	106.4	29.2	7.7	3.3	0
21-08-2025	08:00:00	29.9	28.8	28.3	92.8	90.7	87.5	79.7	1003.2	90.9	32.5	13.4	2.6	0
21-08-2025	09:00:00	30	29.5	29.3	88.5	86.9	85.6	126.5	1004.3	93.4	33.9	13.4	3.3	0
21-08-2025	10:00:00	30	29.6	29.3	88.3	86.6	85.5	112.1	1004.9	90.8	31.9	13.4	4.6	0
21-08-2025	11:00:00	31	30.3	29.5	86.9	83.4	80.3	202.9	1005.1	121.3	33.9	9.1	4.6	0
21-08-2025	12:00:00	31.8	31.2	30.6	84.2	80.6	76.1	259.6	1005.1	132.3	27.9	9.5	2.6	0
21-08-2025	13:00:00	31.7	31.1	30.7	84.1	82.2	80.1	250.8	1004.6	117.6	33.9	9.2	2.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
21-08-2025	14:00:00	31	29.3	26.5	100.6	88.1	82.2	115.1	1004.1	123.9	41.8	12.3	3.9	0.5
21-08-2025	15:00:00	29.2	28.2	26.9	100.7	96	91.8	108.8	1003.2	108.5	27.9	8	1.3	0
21-08-2025	16:00:00	30	29.2	28.6	95.2	92.7	90.8	92.1	1002.7	175.4	33.2	12.9	2.6	0
21-08-2025	17:00:00	30.1	29.5	29.1	92.8	90.8	88.7	65.7	1002.6	186.3	31.2	12.2	2.6	0
21-08-2025	18:00:00	29.9	28.2	26.8	107.8	99.4	89.2	36.7	1002.5	197.2	42.5	4.6	0	2
21-08-2025	19:00:00	28.7	28.1	27.2	107.7	98.4	95.1	5.6	1003.6	0	0	0	0	0
21-08-2025	20:00:00	28.8	28.4	27.8	99.7	96.4	95	2.1	1004.7	0	0	0	0	0
21-08-2025	21:00:00	28.9	28.6	28.3	96.7	95.8	95.1	2	1005.7	0	0	0	0	0
21-08-2025	22:00:00	28.9	28.5	28.3	96.4	94.9	94	1.9	1005.8	0	0	0	0	0
21-08-2025	23:00:00	28.7	28.3	28.1	95.1	93.8	93.2	1.8	1005.9	0	0	0	0	0
22-08-2025	00:00:00	28.7	28.2	27.9	95.2	94.1	93.2	1.8	1005.8	0	0	0	0	0
22-08-2025	01:00:00	28.4	28.1	27.8	94.6	93.6	92.7	1.8	1005.6	0	0	0	0	0
22-08-2025	02:00:00	28.4	28	27.8	95.3	94.1	93	1.8	1004.5	0	0	0	0	0
22-08-2025	03:00:00	28.4	28.1	27.9	95.4	93.6	91.9	1.7	1004.3	0	0	0	0	0
22-08-2025	04:00:00	28.3	27.9	27.7	94.6	93.5	92.8	1.7	1003.7	0	0	0	0	0
22-08-2025	05:00:00	28.1	27.8	27.6	94.9	93.7	93	1.7	1003.8	0	0	0	0	0
22-08-2025	06:00:00	28.2	27.8	27.6	94.2	93.1	92.2	1.7	1004.1	0	0	0	0	0
22-08-2025	07:00:00	28.3	27.9	27.7	93.7	92.5	91.6	2.7	1004.6	0	0	0	0	0
22-08-2025	08:00:00	28.7	28.2	27.8	92.6	91.4	90.1	42.8	1005.3	0	0	0	0	0
22-08-2025	09:00:00	29.1	28.6	28.3	91.8	89.6	88.4	86	1006.1	0	0	0	0	0
22-08-2025	10:00:00	30.1	29.2	28.7	90.2	87.7	84.5	125	1006.7	0	0	0	0	0
22-08-2025	11:00:00	31.1	30.3	29.6	85.9	81.7	78.1	209.6	1006.6	0	0	0	0	0
22-08-2025	12:00:00	32.4	31.1	29.9	85	78.8	73.3	280	1006.3	0	0	0	0	0
22-08-2025	13:00:00	32.3	32	31.5	81.6	75.8	72.7	377.1	1005.8	0	0	0	0	0
22-08-2025	14:00:00	32.1	31.4	30.4	82.2	78.8	75.8	386.2	1004.7	0	0	0	0	0
22-08-2025	15:00:00	31.5	30.9	30.4	82.2	79.7	76.7	366.1	1003.8	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
22-08-2025	16:00:00	31.5	29.4	28.3	93.7	86.2	77.4	74.3	1002.9	0	0	0	0	0
22-08-2025	17:00:00	28.9	28	27	102.5	95.9	88.6	53.9	1002.5	0	0	0	0	0.5
22-08-2025	18:00:00	28.4	27.5	26.5	107.6	100.8	96.4	14.8	1002.8	196.5	0.6	0	0	0.5
22-08-2025	19:00:00	28.4	28	27.6	97	95.2	93.1	1.9	1003.6	0	0	0	0	0
22-08-2025	20:00:00	28.7	28.3	27.9	95.1	92.2	89.4	1.7	1004	0	0	0	0	0
22-08-2025	21:00:00	28.7	28.4	28.1	92.3	90.6	89.1	1.5	1004.5	0	0	0	0	0
22-08-2025	22:00:00	28.5	28	27.8	92.8	91.1	90.2	1.6	1005.3	0	0	0	0	0
22-08-2025	23:00:00	28.3	28	27.8	92.6	91.7	91	1.6	1005.6	0	0	0	0	0
23-08-2025	00:00:00	28.3	27.9	27.6	93.3	92	91	1.6	1004.9	0	0	0	0	0
23-08-2025	01:00:00	28.1	27.7	27.5	92.1	90.3	89.4	1.5	1004.1	0	0	0	0	0
23-08-2025	02:00:00	27.9	27.6	27.4	92.6	91.2	90.3	1.6	1004	0	0	0	0	0
23-08-2025	03:00:00	27.9	27.6	27.4	94	92.6	91.7	1.7	1003.6	0	0	0	0	0
23-08-2025	04:00:00	27.9	27.6	27.4	93.8	92.3	91.7	1.6	1003.1	0	0	0	0	0
23-08-2025	05:00:00	27.9	27.6	27.4	93	91.7	90.7	1.6	1002.7	0	0	0	0	0
23-08-2025	06:00:00	27.9	27.5	27.4	94	92.6	91.4	1.7	1002.3	0	0	0	0	0
23-08-2025	07:00:00	27.8	27.5	27.3	94.2	93.2	92.2	2.8	1002.6	0	0	0	0	0
23-08-2025	08:00:00	28.3	27.8	27.4	93.5	92	90.7	30.5	1003.6	0	0	0	0	0
23-08-2025	09:00:00	28.9	28.2	27.8	92.4	90.9	88	71.5	1004.3	0	0	0	0	0
23-08-2025	10:00:00	29.9	29	28.5	89.2	87.1	84.8	123.6	1005	0	0	0	0	0
23-08-2025	11:00:00	30	28.8	26.7	100.7	89.4	84.1	89.1	1004.7	227.5	0.6	0	0	0.5
23-08-2025	12:00:00	28	27.1	26	107.9	102.2	96.5	67.1	1004.7	0	0	0	0	0.5
23-08-2025	13:00:00	28.9	28.1	26.5	107.9	97.7	90.7	124.5	1004.7	224.6	0.6	0	0	1
23-08-2025	14:00:00	28.6	27.5	26.2	101.6	97.6	91.9	142.2	1004.2	0	0	0	0	1.5
23-08-2025	15:00:00	29	28	27	100.2	94.7	90.1	88.5	1003.4	226.2	0.6	0	0	1
23-08-2025	16:00:00	28.9	28.2	27.6	96.4	93.2	90.4	98.5	1002.5	0	0	0	0	0
23-08-2025	17:00:00	29	27.9	26.8	101.6	96.5	89.9	54.2	1002.3	0	0	0	0	0.5



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
23-08-2025	18:00:00	28.7	28	27.1	100	93.7	91	24.7	1002	0	0	0	0	0.5
23-08-2025	19:00:00	28.5	28	27.4	100	93.4	89.8	7.4	1002.7	0	0	0	0	0
23-08-2025	20:00:00	28.6	27.3	25.6	107.8	96.3	87.5	1.6	1003.5	203.5	0.6	0	0	5
23-08-2025	21:00:00	27.6	26.8	26	107.9	104.6	95.7	2	1004.3	0	0	0	0	0
23-08-2025	22:00:00	28.1	27.5	26.9	96.4	93	89.9	1.6	1004.4	0	0	0	0	0
23-08-2025	23:00:00	28.3	27.9	27.6	92.1	89.7	87.8	1.2	1004.8	0	0	0	0	0
24-08-2025	00:00:00	28.3	27.9	27.7	90.8	88.9	87.7	1.1	1004.5	0	0	0	0	0
24-08-2025	01:00:00	28.3	27.9	27.7	90.9	88.9	87.6	1.1	1004.1	0	0	0	0	0
24-08-2025	02:00:00	28.2	27.9	27.7	90.8	89.2	87.6	1.1	1003.5	0	0	0	0	0
24-08-2025	03:00:00	28.1	27.7	27.5	91.5	89.9	89.1	1.2	1002.9	0	0	0	0	0
24-08-2025	04:00:00	28	27.6	27.4	92.6	91.1	90.1	1.3	1002.9	0	0	0	0	0
24-08-2025	05:00:00	28.1	27.7	27.5	92.7	91.6	90.6	1.3	1002.8	0	0	0	0	0
24-08-2025	06:00:00	28.1	27.8	27.6	92.2	90.8	89.8	1.3	1003.1	0	0	0	0	0
24-08-2025	07:00:00	28.2	27.4	26.9	96.7	94.1	90.3	1.8	1003.2	0	0	0	0	0
24-08-2025	08:00:00	28.6	27.7	27.4	95.5	93.7	91.8	46.5	1003.6	0	0	0	0	0
24-08-2025	09:00:00	29.2	28.3	28	92.4	91	88.6	97.7	1004.2	0	0	0	0	0
24-08-2025	10:00:00	29.1	28.4	28.1	92.7	90.7	88.4	79.5	1004.9	0	0	0	0	0
24-08-2025	11:00:00	30	29.1	28.3	91.4	87.2	83	164.2	1005.1	0	0	0	0	0
24-08-2025	12:00:00	29.8	28.9	28.1	93	88.7	84.3	121.5	1005	0	0	0	0	0
24-08-2025	13:00:00	30.2	29.3	28.6	91.1	86.9	82.9	176.1	1004.7	0	0	0	0	0
24-08-2025	14:00:00	30.3	29.6	28.9	89.4	85.9	83	153.5	1004.3	0	0	0	0	0
24-08-2025	15:00:00	29.9	28.7	26.7	100.5	89.5	83	115.5	1003.8	193.2	0.6	0	0	2
24-08-2025	16:00:00	28.9	28.2	27.3	98.9	94.8	92.6	90.2	1003.4	0	0	0	0	0
24-08-2025	17:00:00	29.3	28.8	28.3	93.4	90.7	88.4	73.2	1003.1	0	0	0	0	0
24-08-2025	18:00:00	28.7	27.3	25.8	107.8	99.4	90.9	14.1	1003.2	236.3	0.6	0	0	5
24-08-2025	19:00:00	27.3	26.9	25.9	108	107.2	105.8	4.4	1003.7	0	0	0	0	0.5



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
24-08-2025	20:00:00	27.6	26.9	26.2	107.9	106.1	99.3	2	1003.9	0	0	0	0	0
24-08-2025	21:00:00	27.8	27.4	26.6	101.1	96.2	94.6	1.8	1004.4	0	0	0	0	0
24-08-2025	22:00:00	27.8	27.5	27.2	95.9	94.7	93.7	1.5	1005	0	0	0	0	0
24-08-2025	23:00:00	27.6	27	25.9	107.8	98.4	94.9	1.7	1005.5	0	0	0	0	0.5
25-08-2025	00:00:00	27.1	26.6	25.8	107.8	106.7	105.5	2	1005.3	0	0	0	0	1.5
25-08-2025	01:00:00	27.3	26.9	26.1	107.9	107.2	105.5	2	1004.8	0	0	0	0	0
25-08-2025	02:00:00	27.6	27.1	26.3	107.7	99.1	96.2	1.8	1004.3	0	0	0	0	0
25-08-2025	03:00:00	27.5	27.1	26.6	99.9	97.7	96.4	1.7	1003.7	0	0	0	0	0
25-08-2025	04:00:00	27.5	27.1	26.5	99.9	97.9	96.4	1.7	1003.1	0	0	0	0	0
25-08-2025	05:00:00	27.5	27.1	26.5	99.8	97.9	96.4	1.6	1003.2	0	0	0	0	0
25-08-2025	06:00:00	27.6	27.1	26.6	99.9	97.6	96.3	1.6	1003.4	0	0	0	0	0
25-08-2025	07:00:00	27.6	27.2	26.9	97.1	95.8	95.2	1.5	1003.6	0	0	0	0	0
25-08-2025	08:00:00	27.9	27.4	27	96.2	94.7	92.9	12.9	1004	0	0	0	0	0
25-08-2025	09:00:00	28.3	27.7	27.5	93.6	92.5	91.6	31.1	1004.6	0	0	0	0	0
25-08-2025	10:00:00	28.8	28.5	28.1	92.4	89.4	88.2	83.3	1004.7	0	0	0	0	0
25-08-2025	11:00:00	30.5	29.6	28.5	89	84.4	80.7	221.5	1005.4	0	0	0	0	0
25-08-2025	12:00:00	30.4	29	28	93	88.5	83.2	124.5	1004.9	197.9	0.6	0	0	0
25-08-2025	13:00:00	30.6	29.4	28.3	93.6	88.2	81.8	77.2	1004.5	180.3	1.3	0	0	0
25-08-2025	14:00:00	29.3	28.5	27.8	98.4	94.3	91.4	88.2	1003.8	0	0	0	0	1.5
25-08-2025	15:00:00	31.3	29.4	28	97.3	92.9	85.3	144	1003.3	353.9	0.6	0	0	0
25-08-2025	16:00:00	30.8	28.9	27.2	100	92.8	85.7	60.5	1001.7	0	0	0	0	0
25-08-2025	17:00:00	29.4	28.8	27.8	96.9	92.8	90.5	62	1001.3	0	0	0	0	0
25-08-2025	18:00:00	29.5	29.1	28.7	92	89.8	87.6	25.1	1001	0	0	0	0	0
25-08-2025	19:00:00	29.4	28.6	27.8	93.5	90.3	86.6	1.1	1001.5	0	0	0	0	0
25-08-2025	20:00:00	29	28.6	28	94.8	90.8	87.7	1.2	1002.5	0	0	0	0	0
25-08-2025	21:00:00	29.1	28.7	28.5	93.1	90.4	88.5	1.2	1003.6	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
25-08-2025	22:00:00	29	28.6	28.2	92.8	89.7	88.2	1.1	1004.1	0	0	0	0	0
25-08-2025	23:00:00	28.6	28.1	27.8	94.9	92.8	91.7	1.4	1004.4	0	0	0	0	0
26-08-2025	00:00:00	28.3	27.9	27.7	94.9	93.6	92.8	1.4	1004.5	0	0	0	0	0
26-08-2025	01:00:00	28.3	27.9	27.7	93.4	92.2	91.7	1.3	1004	0	0	0	0	0
26-08-2025	02:00:00	28.2	27.7	27.4	94.7	93	92.2	1.3	1003.4	0	0	0	0	0
26-08-2025	03:00:00	27.8	27.4	27.1	96.1	95.1	94.1	1.4	1002.5	0	0	0	0	0
26-08-2025	04:00:00	27.8	27.4	27.2	96	95.2	94.6	1.5	1002.6	0	0	0	0	0
26-08-2025	05:00:00	27.9	27.6	27.4	95.5	94.3	93.7	1.4	1003.4	0	0	0	0	0
26-08-2025	06:00:00	27.8	27.4	26.9	97.2	95.4	94.3	1.5	1003.9	0	0	0	0	0
26-08-2025	07:00:00	27.7	27.3	26.8	99.6	96.1	95.6	1.7	1004	0	0	0	0	0
26-08-2025	08:00:00	28.5	27.7	27.2	96.5	94.7	93.4	33.1	1004.6	0	0	0	0	0
26-08-2025	09:00:00	29.9	29.1	28.1	94	89.4	86.7	158.2	1005.9	0	0	0	0	0
26-08-2025	10:00:00	30.6	30.1	29.6	88	84.3	81.3	239.5	1006.8	0	0	0	0	0
26-08-2025	11:00:00	31.4	30.6	29.9	84.6	81.3	78	267	1006.9	0	0	0	0	0
26-08-2025	12:00:00	32.6	32	31.3	80.9	75.7	72.6	297.1	1007.1	0	0	0	0	0
26-08-2025	13:00:00	33.5	32.3	30.8	82.3	74.6	69	263.2	1006.5	0	0	0	0	0
26-08-2025	14:00:00	32.3	31.2	29.9	87.8	80.9	75	182.1	1005.4	0	0	0	0	0
26-08-2025	15:00:00	34.1	32.7	31.5	82.5	75.7	67.8	278.9	1005.1	0	0	0	0	0
26-08-2025	16:00:00	34.2	32.4	29.8	91.7	75.2	65.5	157.3	1004.2	0	0	0	0	0
26-08-2025	17:00:00	30.6	30.1	29.8	91.8	89.7	87.8	54.4	1003	0	0	0	0	0
26-08-2025	18:00:00	30.9	30.3	30	90.9	88.7	87.2	74.2	1003.1	0	0	0	0	0
26-08-2025	19:00:00	30.4	29.6	29.2	94.9	92.3	88.9	12.6	1003.4	0	0	0	0	0
26-08-2025	20:00:00	29.9	29.5	29.2	95.8	94.6	91.8	1.6	1004.3	0	0	0	0	0
26-08-2025	21:00:00	30	29.5	29.1	92.4	90.6	86.8	1.5	1004.8	0	0	0	0	0
26-08-2025	22:00:00	29.6	29.1	28.9	90.8	88.5	86.8	1.1	1005	0	0	0	0	0
26-08-2025	23:00:00	29.3	28.8	28.5	92.2	90.1	88.7	1.1	1005.2	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
27-08-2025	00:00:00	28.9	28.5	28.3	93	91.9	91.2	1.3	1005.5	0	0	0	0	0
27-08-2025	01:00:00	28.7	28.2	27.8	94	92.5	91.9	1.3	1004.8	0	0	0	0	0
27-08-2025	02:00:00	28.2	27.9	27.6	94.2	93	92.2	1.4	1004.1	0	0	0	0	0
27-08-2025	03:00:00	28.1	27.7	27.5	94.2	93.2	92.7	1.3	1003.5	0	0	0	0	0
27-08-2025	04:00:00	27.9	27.5	27.1	95.2	94.2	93.6	1.4	1003	0	0	0	0	0
27-08-2025	05:00:00	27.7	27.2	26.7	96.6	95	94.1	1.4	1002.8	0	0	0	0	0
27-08-2025	06:00:00	27.6	27.1	26.7	99.2	96.5	95.8	1.5	1003.3	0	0	0	0	0
27-08-2025	07:00:00	27.6	27.1	26.5	99.8	97.6	96.3	1.5	1004	204.1	0.6	0	0	0
27-08-2025	08:00:00	28	27.5	26.8	100	96.9	95.1	7.3	1004.9	204.2	0.6	0	0	0
27-08-2025	09:00:00	29	28.2	27.4	96.4	93.6	90	69.8	1005.3	0	0	0	0	0
27-08-2025	10:00:00	29.6	29.2	28.7	90.8	88.2	86	123	1005.8	0	0	0	0	0
27-08-2025	11:00:00	30.7	29.7	28.6	90.8	86.6	81.6	195.6	1005.7	0	0	0	0	0
27-08-2025	12:00:00	32.4	31.1	30.2	85.1	78.9	71.2	288.4	1005.8	0	0	0	0	0
27-08-2025	13:00:00	33.6	32.4	31.3	76.9	71.5	64.6	340.6	1005.6	0	0	0	0	0
27-08-2025	14:00:00	34.3	33.8	33.3	68.3	61.4	58.1	385.9	1005.1	0	0	0	0	0
27-08-2025	15:00:00	35	34.4	33.8	63	58.4	53.7	298.1	1004.6	204.2	0.6	0	0	0
27-08-2025	16:00:00	35	34.3	33.4	68.3	63.1	59.1	272.7	1003.7	0	0	0	0	0
27-08-2025	17:00:00	34	32.1	30.6	82.5	73.9	65.2	123.6	1002.1	0	0	0	0	0
27-08-2025	18:00:00	30.8	30.3	29.8	87.5	84.3	82.3	49.9	1001.7	0	0	0	0	0
27-08-2025	19:00:00	30.1	29.7	29.4	90.5	88.5	86.7	10.9	1002.3	0	0	0	0	0
27-08-2025	20:00:00	29.8	29.4	29.2	92.9	91.3	89.8	1.4	1003.2	0	0	0	0	0
27-08-2025	21:00:00	29.7	29.3	29.2	94	92.7	91.7	1.6	1003.3	0	0	0	0	0
27-08-2025	22:00:00	29.9	29.5	29.2	95.2	93.5	92.3	1.6	1004.6	193.7	0.6	0	0	0
27-08-2025	23:00:00	29.7	29.3	28.9	96.9	95.5	94.4	1.7	1004.7	173.7	10.6	0.8	0	0
28-08-2025	00:00:00	29.4	29	28.7	97	95.5	94.6	1.8	1004.4	199.4	15.2	4.7	0	0
28-08-2025	01:00:00	29.5	29.1	28.4	99.9	96.9	95.2	1.9	1004.2	201.8	16.6	6.7	1.9	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
28-08-2025	02:00:00	29.2	28.8	28.6	97.2	93.6	91.4	1.7	1003.1	220.1	25.2	10.2	2.6	0
28-08-2025	03:00:00	29	28.3	27.1	107.6	95.9	91.4	1.7	1002.1	229	28.5	7.6	0	1.5
28-08-2025	04:00:00	28.1	27.8	26.9	107.9	107	106.1	2	1002	0	0	0	0	0
28-08-2025	05:00:00	28	27.6	26.7	107.9	106.8	104.8	2.1	1002.6	267.1	1.3	0	0	0
28-08-2025	06:00:00	28	27.6	26.7	107.7	106.5	101.5	2.1	1003.2	0	0	0	0	0
28-08-2025	07:00:00	28.1	27.4	26.5	107.9	105.7	100.6	2	1003.6	258.2	0.6	0	0	0.5
28-08-2025	08:00:00	27.8	27.3	26.5	107.9	106.9	101.1	14	1004	0	0	0	0	0
28-08-2025	09:00:00	28.8	28	26.9	102.9	98.6	94.7	58.3	1004.7	246.5	1.9	0	0	0
28-08-2025	10:00:00	28.7	28.2	27.5	99.8	96.1	95	23.4	1004.6	0	0	0	0	0
28-08-2025	11:00:00	29	27.9	26.8	107.8	102.5	96.8	62.5	1004.8	241.1	0.6	0	0	0.5
28-08-2025	12:00:00	29.6	29	28.6	98.9	94.4	92.8	134.9	1004.7	0	0	0	0	0
28-08-2025	13:00:00	30.6	29.8	28.8	94.7	90.1	86.8	198.2	1004.3	0	0	0	0	0
28-08-2025	14:00:00	30.8	30.2	29.5	90.4	87.3	84.8	150	1003.2	0	0	0	0	0
28-08-2025	15:00:00	29.7	28.7	27.8	101.6	96.8	90.2	58	1001.6	209	1.3	0	0	3.5
28-08-2025	16:00:00	29.2	28.7	28	102.3	100	97.1	28.8	1000.9	203.8	0.6	0	0	0
28-08-2025	17:00:00	29.4	28.8	28.1	102.7	100.7	99.4	26.5	1000.9	203.9	3.3	0	0	0
28-08-2025	18:00:00	29.8	29.2	28.5	101.2	99.1	96.9	25.1	1001.3	200	1.3	0	0	0
28-08-2025	19:00:00	29.3	28.8	28.1	100.3	98.8	96.7	2.8	1001.5	149.8	0.6	0	0	0
28-08-2025	20:00:00	29.2	28.7	28	100.2	98.2	96.7	1.8	1002.5	156.6	1.3	0	0	0
28-08-2025	21:00:00	29.2	28.7	28	101.6	100.2	97.4	1.8	1003.6	164.9	0.6	0	0	0
28-08-2025	22:00:00	29.3	28.8	28.2	102.7	100.1	97.9	1.8	1004.1	154.4	6.6	0	0	0
28-08-2025	23:00:00	29.2	28.7	28.1	102.6	100.4	97	1.8	1004	198.7	2.6	0	0	0
29-08-2025	00:00:00	29.2	28	26.2	100	96	92.2	1.7	1003.1	187.5	6.6	0	0	0
29-08-2025	01:00:00	27	26	24.9	107.8	103.9	97.1	1.6	1001.4	187.7	5.9	0.2	0	0
29-08-2025	02:00:00	26.4	26	25.3	107.8	106.8	105.5	1.6	1000.6	193	1.3	0	0	0
29-08-2025	03:00:00	27.3	26.5	25.5	107.8	103.3	98.8	1.7	1000.5	193.7	6.6	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
29-08-2025	04:00:00	27.5	26.9	26.1	100.7	99.1	96.5	1.7	1000.4	194	1.9	0	0	0
29-08-2025	05:00:00	28	27.3	26.6	102.1	100	98.5	1.7	1001.1	194.1	3.9	0	0	0
29-08-2025	06:00:00	28.1	27.6	26.9	102.3	100.2	99.3	1.7	1001.7	194.1	2.6	0	0	0
29-08-2025	07:00:00	28.1	27.7	26.8	108	106.2	100.2	1.7	1002.2	193.4	1.9	0	0	0
29-08-2025	08:00:00	28.3	27.9	27.1	108	106.9	105.7	8.6	1002.8	193.5	2.6	0	0	0
29-08-2025	09:00:00	29	28.2	27.4	108	106.7	100.7	39.7	1004	238.5	1.9	0	0	0.5
29-08-2025	10:00:00	29.4	28.7	27.9	102.7	99.5	95.6	72.6	1004.9	0	0	0	0	0
29-08-2025	11:00:00	30.4	29.5	29	96.2	91.3	88.2	131.6	1004.5	0	0	0	0	0
29-08-2025	12:00:00	31.3	30.5	29.4	90.1	83.8	79	241.4	1004.6	0	0	0	0	0
29-08-2025	13:00:00	32	31.1	30.4	83	77	71.2	229.4	1004.2	0	0	0	0	0
29-08-2025	14:00:00	31.7	30.8	30.1	83	79.1	74.2	98.9	1003.3	217.3	1.3	0	0	0
29-08-2025	15:00:00	30.2	29.4	28.7	95.4	90.9	82.5	23.9	1001.9	174.1	3.3	0	0	0
29-08-2025	16:00:00	29	28.6	27.5	107.8	99.2	94.9	19.2	1000.7	127.9	2.6	0	0	0.5
29-08-2025	17:00:00	29.2	28.5	27.6	108	106.2	99.7	51.7	1001.1	193	2.6	0	0	0
29-08-2025	18:00:00	29.4	28.9	28.3	102.7	98.6	96	54.4	1001.8	192	4.6	0	0	0
29-08-2025	19:00:00	29.1	28.5	27.8	100.1	98.2	96.4	14.1	1002.4	184.5	1.3	0	0	0
29-08-2025	20:00:00	28.7	28.2	27.8	100.1	97.2	95.8	1.5	1003	169.3	3.9	0	0	0
29-08-2025	21:00:00	28.7	28.3	28	99.8	96.5	95.3	1.5	1003.3	176.9	0.6	0	0	0
29-08-2025	22:00:00	28.8	28.4	28.1	99.3	95.9	94.6	1.5	1003.9	0	0	0	0	0
29-08-2025	23:00:00	29	28.7	28.4	99.3	96.4	95.7	1.5	1004.4	0	0	0	0	0
30-08-2025	00:00:00	29	28.7	28.5	97	96.2	95.9	1.6	1004.7	0	0	0	0	0
30-08-2025	01:00:00	29.1	28.7	28.2	99.9	97.1	96.2	1.5	1004.5	0	0	0	0	0
30-08-2025	02:00:00	29	28.6	27.8	100.8	99.1	96.8	1.7	1004.3	0	0	0	0	0
30-08-2025	03:00:00	28.7	28	27.2	102.5	99.2	96.5	1.7	1003.6	0	0	0	0	0
30-08-2025	04:00:00	28.3	27.9	27.5	99.9	96.5	95.6	1.6	1002.5	0	0	0	0	0
30-08-2025	05:00:00	28.3	27.7	26.7	106.8	99.8	96.3	1.7	1002.9	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
30-08-2025	06:00:00	27.9	27.4	26.5	107.7	104.2	99.5	1.8	1003.3	0	0	0	0	0
30-08-2025	07:00:00	28.1	27.7	27	101.6	97.8	95.2	1.7	1004.3	0	0	0	0	0
30-08-2025	08:00:00	28.3	27.9	27.6	95.9	94.5	93.8	4.1	1004.8	0	0	0	0	0
30-08-2025	09:00:00	28.8	28.1	27.8	96.7	95.2	93.8	29.9	1005.3	0	0	0	0	0
30-08-2025	10:00:00	29.5	28.9	28.5	94.5	92.1	89.9	67	1005.7	0	0	0	0	0
30-08-2025	11:00:00	29.9	29.3	29	92.2	90.6	88.4	88.4	1006.2	0	0	0	0	0
30-08-2025	12:00:00	30.5	30.1	29.6	89.4	87.7	85.9	140.2	1006.4	0	0	0	0	0.5
30-08-2025	13:00:00	30.8	30.3	29.9	91.2	89.1	86.6	137.4	1006.2	203.9	7.9	0.1	0	0
30-08-2025	14:00:00	30.5	30.1	29.8	90.6	89	88	97.7	1005.5	186.5	6.6	0.3	0	0
30-08-2025	15:00:00	30.1	29.6	29.1	92.7	90.6	88.5	74.4	1004.4	184.7	1.9	0	0	0
30-08-2025	16:00:00	29.4	28.6	28	99.6	95.3	91.5	76.3	1003.8	0	0	0	0	0
30-08-2025	17:00:00	29	28.5	28	97.1	95.2	94.2	44.7	1004	192.1	6.6	0	0	0
30-08-2025	18:00:00	29.3	28.6	27.9	101.6	99.7	96.5	18.8	1004.1	190	6.6	0.3	0	0
30-08-2025	19:00:00	29.1	28.5	27.9	102.6	100.7	98.9	2.1	1004.9	184.8	2.6	0	0	0
30-08-2025	20:00:00	28.8	28.2	27.4	107.7	103.6	99.7	1.6	1005.2	173.2	5.3	0	0	0
30-08-2025	21:00:00	28.8	28.2	27.6	102.5	100.7	99.5	1.6	1005.5	0	0	0	0	0
30-08-2025	22:00:00	28.9	28.4	27.8	101.6	98.4	96.4	1.6	1005.7	0	0	0	0	0
30-08-2025	23:00:00	28.8	28.4	28.1	97.5	96.1	95.1	1.5	1005.9	0	0	0	0	0
31-08-2025	00:00:00	29	28.5	27.9	100.8	98.6	96.1	1.6	1005.9	0	0	0	0	0
31-08-2025	01:00:00	29	28.6	28	100	97.7	96	1.6	1006	0	0	0	0	0
31-08-2025	02:00:00	28.8	28.4	28.1	96.7	95.8	94.6	1.4	1005.2	0	0	0	0	0
31-08-2025	03:00:00	28.6	28.2	28	96.1	95.2	94.4	1.4	1004.7	0	0	0	0	0
31-08-2025	04:00:00	28.5	28.1	27.8	96.4	95.3	94.6	1.4	1004.6	0	0	0	0	0
31-08-2025	05:00:00	28.3	28	27.6	99	96.5	95.7	1.4	1004.4	0	0	0	0	0
31-08-2025	06:00:00	28.3	27.9	27.6	99.2	96.6	96	1.5	1004.5	0	0	0	0	0
31-08-2025	07:00:00	28.2	27.8	27.4	99.2	96.5	96	1.4	1005.1	196.6	5.9	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
31-08-2025	08:00:00	28.4	28	27.6	99.5	96.7	96.2	11.4	1005.8	0	0	0	0	0
31-08-2025	09:00:00	29.4	28.6	27.8	97.1	93.4	90.2	79.7	1006.8	219.7	1.3	0	0	0
31-08-2025	10:00:00	31.3	30.3	29	91.4	84.6	79.2	266	1007.8	0	0	0	0	0
31-08-2025	11:00:00	31.6	31.1	30.5	81.5	78.8	76.1	248.4	1007.8	0	0	0	0	0
31-08-2025	12:00:00	31.3	30.8	30.4	82.6	79.6	77.1	191.5	1007.3	199	5.9	0	0	0
31-08-2025	13:00:00	32.5	31.4	30.9	79.7	77.6	73.4	225.7	1007	184.2	3.9	0	0	0
31-08-2025	14:00:00	33.5	32.6	31.9	76.9	73.1	69.8	304.6	1006.6	184.6	7.9	0	0	0
31-08-2025	15:00:00	33.7	32.3	31.5	78.8	74.8	68.4	189	1005.6	165.6	4.6	0	0	0
31-08-2025	16:00:00	31.9	31	29.9	85.3	79.4	75.5	153.8	1004.3	0	0	0	0	0
31-08-2025	17:00:00	30.3	29.5	28.8	90.1	87.9	84	59.3	1003.1	0	0	0	0	0
31-08-2025	18:00:00	29.1	28.4	27.2	100.6	93.9	89	16.5	1002.9	0	0	0	0	0
31-08-2025	19:00:00	28.8	28.3	27.4	100.7	98.3	95.7	6.1	1003.1	195.6	1.3	0	0	0
31-08-2025	20:00:00	28.6	28.2	27.7	100.4	96.1	93.7	1.6	1003.6	0	0	0	0	0
31-08-2025	21:00:00	29.1	28.5	27.5	102.2	97.3	94.2	1.6	1004.2	0	0	0	0	0.5
31-08-2025	22:00:00	28.5	28	27.2	108	106.8	100.3	2.1	1004.8	0	0	0	0	0
31-08-2025	23:00:00	28.4	28	27.1	107.9	104.1	98.1	2.1	1005	0	0	0	0	0
01-09-2025	00:00:00	28.5	28	27.4	100.2	97.2	95.7	1.9	1005	0	0	0	0	0
01-09-2025	01:00:00	28.2	27.7	27.2	100	97.6	96.4	1.9	1004.1	0	0	0	0	0
01-09-2025	02:00:00	28.2	27.8	27.5	99.9	96.3	94.6	1.8	1003.7	0	0	0	0	0
01-09-2025	03:00:00	28	27.7	27.4	95.2	94.2	93.3	1.6	1002.8	0	0	0	0	0
01-09-2025	04:00:00	28	27.6	27.3	95.7	93.9	93	1.6	1002.5	0	0	0	0	0
01-09-2025	05:00:00	27.8	27.5	27.2	95.7	94.4	93.2	1.6	1002.1	0	0	0	0	0
01-09-2025	06:00:00	27.8	27.4	27.2	95.1	94.1	93.3	1.6	1002	0	0	0	0	0
01-09-2025	07:00:00	27.8	27.5	27.2	94.8	93.5	92.9	3.2	1002.5	0	0	0	0	0
01-09-2025	08:00:00	28.3	27.8	27.4	94.4	92.9	91.4	37.2	1003	0	0	0	0	0
01-09-2025	09:00:00	29.5	28.8	28	92.4	88.5	84.8	126.6	1004.1	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
01-09-2025	10:00:00	30.1	29.6	29.2	86.8	84.4	81.9	171.5	1004.6	0	0	0	0	0
01-09-2025	11:00:00	31.5	30.8	29.7	83.2	79	74.9	263.7	1005	0	0	0	0	0
01-09-2025	12:00:00	31.6	30.8	29.6	84.1	78.5	73.8	139	1004.4	0	0	0	0	0
01-09-2025	13:00:00	32.7	31.6	30.3	81.5	76	70.8	208.7	1004.1	164.4	1.9	0	0	0
01-09-2025	14:00:00	33.5	32.9	31.3	77.7	70.4	66.6	352.9	1003.7	119.8	9.3	0	0	0
01-09-2025	15:00:00	33.5	32.7	31.7	77.4	72.9	68.9	253.1	1002.6	0	0	0	0	0
01-09-2025	16:00:00	31.9	30.7	30	88.9	84	77.3	88.4	1000.9	0	0	0	0	0
01-09-2025	17:00:00	31.9	30.9	29.9	89.8	86.2	82	124	1000.8	0	0	0	0	0
01-09-2025	18:00:00	30.8	30	29.5	90.1	88.9	85	21.6	999.9	0	0	0	0	0
01-09-2025	19:00:00	29.9	29.5	29.3	93.1	91.3	89.2	2.6	1000.3	0	0	0	0	0
01-09-2025	20:00:00	29.7	29.2	28.9	94.6	93	91	1.3	1001	0	0	0	0	0
01-09-2025	21:00:00	29.5	29	28.7	94.9	93.8	93.1	1.4	1001.5	0	0	0	0	0
01-09-2025	22:00:00	29.2	28.8	28.6	94.9	92.2	89.4	1.2	1002.1	0	0	0	0	0
01-09-2025	23:00:00	29	28.6	28.4	90.5	89.2	88.5	1	1003.1	0	0	0	0	0
02-09-2025	00:00:00	28.8	28.4	28.2	89.9	87.2	85.9	0.9	1003.1	0	0	0	0	0
02-09-2025	01:00:00	28.6	28.2	28	90.8	88.5	86.2	1	1003.3	0	0	0	0	0
02-09-2025	02:00:00	28.4	28	27.8	92.8	90.7	89.6	1.2	1002.7	0	0	0	0	0
02-09-2025	03:00:00	28.3	27.9	27.6	93.7	92.8	92.1	1.3	1002.1	0	0	0	0	0
02-09-2025	04:00:00	28	27.6	27.3	95.3	94	92.8	1.3	1001.5	0	0	0	0	0
02-09-2025	05:00:00	27.8	27.4	27.2	95.8	94.8	94.1	1.4	1001.1	0	0	0	0	0
02-09-2025	06:00:00	27.9	27.5	27.4	94.9	93.9	93.5	1.3	1001.9	0	0	0	0	0
02-09-2025	07:00:00	27.8	27.4	27.2	95	94.3	93.9	3	1002.3	0	0	0	0	0
02-09-2025	08:00:00	28.6	28	27.4	94.8	93.1	91	31.6	1003.6	194.7	9.3	0.8	0	0
02-09-2025	09:00:00	29.3	28.8	28.2	91.9	88.8	86.8	93.1	1004.2	204.2	1.3	0	0	0
02-09-2025	10:00:00	30.5	29.9	29.2	88	84.1	80.6	175.7	1005.2	0	0	0	0	0
02-09-2025	11:00:00	32.2	31.1	30.2	82.9	78.4	73.3	243.5	1005.8	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
02-09-2025	12:00:00	32.8	32.3	31.5	75.4	70.9	68	229.4	1005.8	268.9	2.6	0	0	0
02-09-2025	13:00:00	32.8	32.4	31.6	74.1	68.5	64.9	304.9	1005	264.4	1.9	0	0	0
02-09-2025	14:00:00	34.4	33.4	32.4	68.2	63.3	58.5	357.3	1004.6	197.1	11.3	0.1	0	0
02-09-2025	15:00:00	35.2	34.3	33.2	65.3	59.8	55.6	261.9	1003.6	138	8.6	0.1	0	0
02-09-2025	16:00:00	33.4	32.2	31.6	76.9	72.9	65	135.1	1002.1	0	0	0	0	0
02-09-2025	17:00:00	32.9	32.4	31.5	76.5	73	69.6	142.6	1001.7	115.1	1.3	0	0	0
02-09-2025	18:00:00	31.6	31	30.4	84.1	82	76.5	50.5	1001	129.4	1.3	0	0	0
02-09-2025	19:00:00	30.6	30	29.6	90	87.6	83.9	5.5	1001.2	148.2	5.9	0	0	0
02-09-2025	20:00:00	29.9	29.6	29.4	93.2	91.6	89.8	0.6	1001.9	188.4	8.6	0.1	0	0
02-09-2025	21:00:00	29.9	29.5	29.3	94.3	93.2	92.2	1.3	1003.4	184.3	3.3	0	0	0
02-09-2025	22:00:00	29.9	29.5	29.3	94.5	92.4	89.9	1.3	1004	203.4	2.6	0	0	0
02-09-2025	23:00:00	29.7	29.3	29	90.5	89	87.5	1.1	1004.5	0	0	0	0	0
03-09-2025	00:00:00	29.5	29.1	28.8	88.4	84.8	82.2	0.7	1004.1	0	0	0	0	0
03-09-2025	01:00:00	29	28.7	28.4	85.8	83.7	82	0.6	1003.6	0	0	0	0	0
03-09-2025	02:00:00	28.7	28.3	28.1	88.8	87.1	85	1	1003.2	0	0	0	0	0
03-09-2025	03:00:00	28.5	28.1	27.8	89.2	88	87.4	1	1003	0	0	0	0	0
03-09-2025	04:00:00	28.1	27.8	27.6	90.2	88.9	88.2	1.1	1002.4	0	0	0	0	0
03-09-2025	05:00:00	28.1	27.6	27.4	91.8	90.3	89.4	1.2	1002.8	0	0	0	0	0
03-09-2025	06:00:00	27.8	27.5	27.3	92.3	91.3	90.8	1.3	1003.4	0	0	0	0	0
03-09-2025	07:00:00	27.8	27.4	27.1	93.1	91.4	90.8	1.2	1003.9	232.2	5.9	0	0	0
03-09-2025	08:00:00	28.2	27.6	27.2	93.5	92.5	91.5	13.9	1004.8	0	0	0	0	0
03-09-2025	09:00:00	29	28.3	27.7	92.4	90.1	87.2	77.8	1005.2	0	0	0	0	0
03-09-2025	10:00:00	30.5	29.3	28.6	87.6	83.8	76.2	173.8	1005.7	0	0	0	0	0
03-09-2025	11:00:00	31.4	30.7	30.1	78.3	75.3	72.5	235.9	1006.6	0	0	0	0	0
03-09-2025	12:00:00	33.2	31.8	30.7	74.2	68.9	63.5	292	1006.7	235.5	1.3	0	0	0
03-09-2025	13:00:00	33.7	32.7	31.7	69	64.3	60.2	360.8	1006.2	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
03-09-2025	14:00:00	35	34.1	32.8	63.2	57.6	52.8	352.3	1005.7	214.5	7.3	0	0	0
03-09-2025	15:00:00	35.3	34.2	33.4	60.2	55.6	52.1	321.6	1004.9	284.5	3.9	0	0	0
03-09-2025	16:00:00	34.2	33.5	33	64.1	60.8	56	257.8	1003.7	211.4	3.3	0	0	0
03-09-2025	17:00:00	33.8	32.4	31.5	71.5	66.4	59.3	168.6	1002.6	0	0	0	0	0
03-09-2025	18:00:00	31.7	30.9	30.2	78.7	76.3	71.2	63.2	1002.1	0	0	0	0	0
03-09-2025	19:00:00	30.5	30	29.5	85	81.4	77.2	14.3	1001.8	194.9	0.6	0	0	0
03-09-2025	20:00:00	29.7	29.5	29.4	87.4	84.7	81.5	0.4	1002.5	0	0	0	0	0
03-09-2025	21:00:00	30	29.6	29.4	89	87.4	86.2	0.7	1003.3	188.8	0.6	0	0	0
03-09-2025	22:00:00	30.1	29.7	29.5	90.2	89	87.1	1.1	1004.6	0	0	0	0	0
03-09-2025	23:00:00	30	29.6	29.3	89.2	86.8	85.7	1	1004.4	0	0	0	0	0
04-09-2025	00:00:00	29.6	29.3	29.1	89.2	85.5	83.3	0.8	1003.8	0	0	0	0	0
04-09-2025	01:00:00	29.4	28.1	25.1	100	88.2	81.4	1	1003.6	221.7	0.6	0	0	7
04-09-2025	02:00:00	26	25.5	24.7	107.8	105.4	98.9	1.4	1002.7	263	11.3	0.2	0	4.5
04-09-2025	03:00:00	26.3	25.7	25	107.7	106.7	105.9	1.9	1002.1	5	13.3	0.8	0	2
04-09-2025	04:00:00	26.5	26	25.4	107.7	106.8	106.1	1.5	1001.9	2.7	7.3	0.3	0	1
04-09-2025	05:00:00	26.6	26.1	25.4	107.7	106.7	106.1	1.6	1002	2.7	5.9	0.9	0	0
04-09-2025	06:00:00	26.7	26.4	25.7	107.8	106.8	106.1	1.7	1002.6	2.6	10.6	3.1	0	0
04-09-2025	07:00:00	27	26.6	25.8	107.9	106.8	105.5	2.3	1003.7	355.3	3.3	0	0	0
04-09-2025	08:00:00	27.8	26.9	26	107.8	103.6	99.3	23.8	1004.3	238.8	1.9	0	0	0
04-09-2025	09:00:00	28.2	27.6	26.9	100.7	96	94.2	48.8	1005	0	0	0	0	0
04-09-2025	10:00:00	28.3	27.9	27.7	95.3	94.4	93.5	45.3	1005.4	0	0	0	0	0
04-09-2025	11:00:00	28.9	28.3	27.7	95.4	92.7	90.3	69.2	1005	225.5	1.9	0	0	0
04-09-2025	12:00:00	30.7	29.2	27.8	95.7	89.3	83	209.3	1004.8	0	0	0	0	0
04-09-2025	13:00:00	30.5	29.5	28.2	95.1	87.1	82.3	109.3	1004.1	226.9	4.6	0.1	0	1
04-09-2025	14:00:00	28.6	27.2	26.2	107.9	104.7	94.9	36.6	1002.5	205.7	5.9	0	0	9.5
04-09-2025	15:00:00	27.4	27	26.1	107.8	106.7	105.7	36.9	1002.2	0	0	0	0	1



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
04-09-2025	16:00:00	27.1	26.5	25.8	107.8	106.1	105.2	3.8	1001.9	220.5	1.9	0	0	18
04-09-2025	17:00:00	27.2	26.7	26.3	106.5	105.6	105.2	2.7	1001.4	220.7	0.6	0	0	11
04-09-2025	18:00:00	27.3	26.9	26.5	106.6	105.7	105.1	2.2	1001	211.1	0.6	0	0	3.5
04-09-2025	19:00:00	27.2	26.8	26.4	106.6	105.7	105.2	2.3	1001.3	205	0.6	0	0	3.5
04-09-2025	20:00:00	27.3	26.9	26.5	107	105.8	105.2	2.4	1001.6	213.2	0.6	0	0	1.5
04-09-2025	21:00:00	27.6	27.1	26.5	107.8	106.7	105.5	2.4	1002.6	0	0	0	0	0
04-09-2025	22:00:00	27.6	27.3	26.5	108	106.8	105.7	2.4	1003.5	218.9	0.6	0	0	0.5
04-09-2025	23:00:00	27.6	27.2	26.5	107.9	106.7	105.5	2.3	1003.6	0	0	0	0	0
05-09-2025	00:00:00	28	27.3	26.5	107.9	103.2	96.7	2.3	1003.7	226.6	12.6	0	0	0
05-09-2025	01:00:00	27.4	26.8	26.4	99.7	96.3	95.3	2.2	1002.8	240.7	18.6	1.7	0	0
05-09-2025	02:00:00	27.1	26.7	26.3	97	96	95.5	2.2	1002.1	252.2	17.2	1.3	0	0
05-09-2025	03:00:00	27	26.3	25.1	107.8	100.8	95	2.2	1001.6	253	11.9	0.3	0	1
05-09-2025	04:00:00	26	25.6	24.8	107.7	106.6	105.5	2.1	1001.5	253.7	12.6	0.1	0	0
05-09-2025	05:00:00	25.8	25.3	24.7	107.7	98.4	95.6	2.2	1002.1	255.9	14.6	0.4	0	0.5
05-09-2025	06:00:00	25.8	25.4	24.8	100.2	96.7	95.3	2.2	1002.6	253.5	16.6	0.4	0	0
05-09-2025	07:00:00	25.8	25.2	24.4	107.8	103.8	98.5	2.2	1003.7	237.9	7.9	0	0	0.5
05-09-2025	08:00:00	25.8	25.3	24.5	107.8	105.7	99	5.7	1004.3	246.8	9.9	0.1	0	0
05-09-2025	09:00:00	25.9	25.4	24.6	107.8	102.7	99	16	1005	235.3	8.6	0	0	1
05-09-2025	10:00:00	26.2	25.6	24.8	107.8	106.6	105.5	34.1	1005.5	231	9.9	0.2	0	2
05-09-2025	11:00:00	27	26.3	25.3	107.9	106.9	105.5	47.6	1005.8	222.9	14.6	1.7	0	0
05-09-2025	12:00:00	28.4	27.4	26.1	107.9	103.4	96.2	94.3	1005.8	226.5	20.6	0.6	0	0
05-09-2025	13:00:00	29.3	28.6	27.9	96.9	94.1	91.4	128.5	1005.7	220.6	17.2	2.9	0	0
05-09-2025	14:00:00	29.3	29	28.7	93.6	92.3	91.4	75.9	1005	218.6	15.2	3	0	0
05-09-2025	15:00:00	30.1	29.5	28.7	93.9	91.2	88.8	108.5	1003.9	216.1	16.6	3.1	0	0
05-09-2025	16:00:00	30.1	29.6	29.4	92.2	90.3	88.8	68.1	1002.3	211.3	16.6	4.3	0	0
05-09-2025	17:00:00	30.1	29.1	24.7	92.7	90.1	88.9	62.4	1001.4	212.1	19.2	5.6	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
05-09-2025	18:00:00	29.8	29.4	29.1	95.1	93	91.8	17.8	1001.7	207.9	15.9	4.2	0	0
05-09-2025	19:00:00	29.5	29.1	28.8	96.8	95.1	94	2.1	1002.5	204.1	13.3	2.6	0	0
05-09-2025	20:00:00	29.4	29	28.5	99.7	96.6	95.8	1.8	1003.4	205	13.9	3.3	0	0
05-09-2025	21:00:00	29.2	28.8	28.3	100	96.8	95.1	1.9	1003.9	214.3	22.6	7.9	0	0
05-09-2025	22:00:00	29.1	28.8	28.5	96	94.4	93.3	1.7	1004.5	219.3	30.5	10.2	1.3	0
05-09-2025	23:00:00	28.9	28.1	27.4	99.5	95.6	93.7	1.9	1005.1	221.7	25.9	10.8	3.3	0
06-09-2025	00:00:00	28.1	25.7	24.5	107.8	103.1	93.9	1.9	1005	242	19.9	1	0	17.5
06-09-2025	01:00:00	26.3	25.5	24.7	107.1	105.6	105	2	1004.2	215.7	13.3	0.4	0	2.5
06-09-2025	02:00:00	27.1	26.5	25.6	106.8	105.7	105.2	2.1	1004.2	214.8	0.6	0	0	2
06-09-2025	03:00:00	27.2	26.8	26.3	107.1	105.8	105.2	2.2	1003.9	208	7.9	0.1	0	1
06-09-2025	04:00:00	27.3	26.9	26.3	107.8	106.7	105.5	2.3	1002.5	0	0	0	0	0
06-09-2025	05:00:00	27.5	27.1	26.3	108	106.9	105.7	2.3	1003.2	0	0	0	0	0
06-09-2025	06:00:00	27.7	27.2	26.3	107.9	106.1	99.3	2.2	1003.7	0	0	0	0	0
06-09-2025	07:00:00	27.8	27.2	26.5	101.8	100.2	99.1	2.1	1004	221.5	5.9	0	0	0
06-09-2025	08:00:00	28.1	27.4	26.7	102.1	99.7	96.5	15.5	1004.8	205.8	4.6	0.1	0	0
06-09-2025	09:00:00	29.2	28.3	27.4	99.2	95	92.9	61.5	1005.7	205.8	11.3	0.6	0	0
06-09-2025	10:00:00	30.2	29.5	28.8	93.6	89.4	86.4	156.7	1005.9	206.7	10.6	0.6	0	0
06-09-2025	11:00:00	30.6	30.1	29.6	89.2	86.8	84.2	184.9	1005.8	198.2	12.6	0.2	0	0
06-09-2025	12:00:00	31	30.3	29.6	88.4	85.3	81.8	187.7	1006.3	202.5	6.6	0	0	0
06-09-2025	13:00:00	30.9	29.5	27.5	100.7	88.9	83.2	85.4	1005.5	208.2	5.3	0	0	0.5
06-09-2025	14:00:00	29	27.7	26.4	108	105.3	99.3	41.6	1004.5	221.5	9.9	0.1	0	8.5
06-09-2025	15:00:00	29.9	29.4	28.1	107.3	95.9	93	111.1	1004.5	224.7	5.9	0.1	0	0
06-09-2025	16:00:00	29.5	28.4	28	95.5	93.4	90.7	39.5	1003.2	217	10.6	0.5	0	0
06-09-2025	17:00:00	29.1	28.7	28.4	91.4	90.1	89.4	51.5	1002.6	0	0	0	0	0
06-09-2025	18:00:00	28.8	28.3	28.1	93.2	90.9	89.5	4.4	1002.5	0	0	0	0	0
06-09-2025	19:00:00	28.5	28	27.7	93.5	91.9	91	1.4	1003.5	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
06-09-2025	20:00:00	28.2	27.9	27.6	94.7	93.2	91.2	1.6	1004	0	0	0	0	0
06-09-2025	21:00:00	28	27.7	27.5	95.3	93.6	91.4	1.6	1004.4	0	0	0	0	0
06-09-2025	22:00:00	27.9	27.6	27.2	99	96	94.4	1.7	1004.7	0	0	0	0	0
06-09-2025	23:00:00	28	27.6	27.2	99.3	96.3	95.1	1.7	1005.1	0	0	0	0	0
07-09-2025	00:00:00	28.1	27.6	27.4	96.1	95.4	95	1.6	1005.1	0	0	0	0	0
07-09-2025	01:00:00	28.1	27.7	26.9	101.1	97.6	94.9	1.8	1004.7	0	0	0	0	0
07-09-2025	02:00:00	28.1	27.6	26.9	103.5	99.9	97.5	2	1004.4	0	0	0	0	0
07-09-2025	03:00:00	28.1	27.6	26.8	104.2	99.7	96.5	1.9	1003.8	0	0	0	0	0
07-09-2025	04:00:00	27.9	27.4	26.8	101.5	100.1	98.8	1.9	1003.4	0	0	0	0	0
07-09-2025	05:00:00	27.9	27.3	26.6	100.7	99.2	96.3	1.9	1003.2	0	0	0	0	0
07-09-2025	06:00:00	27.6	27	26.2	107.6	100.5	96.4	2	1003.2	0	0	0	0	0
07-09-2025	07:00:00	27.7	27.1	26.2	107.8	103.3	96.1	2	1003.5	0	0	0	0	0
07-09-2025	08:00:00	27.7	27.4	27.1	97.2	95.9	94.7	10.5	1004.3	0	0	0	0	0
07-09-2025	09:00:00	28.3	27.7	27.2	99.4	96.3	94.6	38.3	1005.3	0	0	0	0	0
07-09-2025	10:00:00	28.5	28.1	27.9	95.3	93.3	92.6	52	1005.6	0	0	0	0	0
07-09-2025	11:00:00	28.4	27.7	27.1	99.8	95.9	93	61.7	1005.9	0	0	0	0	0
07-09-2025	12:00:00	28.7	28.2	27.6	99	94.9	93	92.8	1005.9	0	0	0	0	0
07-09-2025	13:00:00	28.9	28.3	28.1	94.7	93	91.2	133.1	1005.2	0	0	0	0	0
07-09-2025	14:00:00	28.9	28.2	27.4	99.9	94.2	90.4	125.1	1004.8	0	0	0	0	0.5
07-09-2025	15:00:00	28.1	27.5	26.9	103.1	100.3	97	58.7	1004.3	0	0	0	0	0.5
07-09-2025	16:00:00	27.8	27.3	26.6	102.3	100.1	99	57.9	1003.2	205.2	6.6	0	0	1
07-09-2025	17:00:00	28.3	27.8	26.9	106.3	98.5	94.7	47.9	1002.9	168.3	13.3	0.1	0	0
07-09-2025	18:00:00	28.4	28	27.7	95.5	92	88.4	30.8	1002.5	0	0	0	0	0
07-09-2025	19:00:00	28.6	28.2	28	93	89.6	88	4.3	1002.9	0	0	0	0	0
07-09-2025	20:00:00	28.6	28.2	28.1	93.8	92.6	92.1	1.4	1003.6	0	0	0	0	0
07-09-2025	21:00:00	28.6	28.2	28.1	94.2	92	89.6	1.5	1004.5	213.6	6.6	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
07-09-2025	22:00:00	28.6	28.2	28	91	89.5	88.6	1.3	1005.4	0	0	0	0	0
07-09-2025	23:00:00	28.5	28.1	28	91	89.9	88.9	1.3	1005.7	0	0	0	0	0
08-09-2025	00:00:00	28.4	28	27.8	93.4	91.6	89.8	1.4	1005.8	0	0	0	0	0
08-09-2025	01:00:00	28.2	27.9	27.6	94.2	92.7	91.7	1.5	1005.4	213.4	3.3	0	0	0
08-09-2025	02:00:00	28.3	28	27.8	93.5	91.6	90.3	1.4	1004.9	0	0	0	0	0
08-09-2025	03:00:00	28.4	28.1	27.7	93	89.7	88	1.3	1004.4	207.7	12.6	0	0	0
08-09-2025	04:00:00	28.2	27.8	27.6	93.8	91.9	90.9	1.4	1003.4	227.5	1.9	0	0	0
08-09-2025	05:00:00	28.2	27.9	27.7	92.6	91.5	90.6	1.4	1003.2	209.4	7.3	0	0	0
08-09-2025	06:00:00	28.4	28	27.8	92.4	90.8	89.3	1.3	1003.4	190.2	5.9	0	0	0
08-09-2025	07:00:00	28.5	28	27.7	91.8	89.8	87.9	7	1003.7	207.1	11.9	0.1	0	0
08-09-2025	08:00:00	29	28.5	28.1	90.5	87.9	85.1	60.2	1004.7	0	0	0	0	0
08-09-2025	09:00:00	30.1	29.1	28.6	87.6	83.6	79.9	120.3	1005.8	0	0	0	0	0
08-09-2025	10:00:00	30.6	30	29.4	82.8	80.5	77.4	208.4	1006.7	0	0	0	0	0
08-09-2025	11:00:00	31	30.5	29.9	81.3	78.6	75.5	205.1	1007	0	0	0	0	0
08-09-2025	12:00:00	31.4	30.9	30.4	78.5	74.8	71	287.2	1007.2	190.1	0.6	0	0	0
08-09-2025	13:00:00	32.1	31.7	31.2	73.4	69.3	66.6	387.5	1007.3	0	0	0	0	0
08-09-2025	14:00:00	32.6	32.2	31.7	71.1	66.9	64.3	373.1	1006.9	159.6	17.2	0	0	0
08-09-2025	15:00:00	32.4	31.9	31.7	70.1	68.4	66.5	310.6	1006.2	196.1	16.6	0.1	0	0
08-09-2025	16:00:00	32	31.7	31.4	71.7	69.7	68.2	248.8	1005.6	222.2	13.9	0.1	0	0
08-09-2025	17:00:00	31.9	31.3	30.8	74.7	71.8	68.9	169.7	1005.2	197.2	11.3	0	0	0
08-09-2025	18:00:00	31	30.2	29.4	79.5	76.4	73.3	76.5	1004.8	262.1	9.9	0	0	0
08-09-2025	19:00:00	29.6	29	28.6	84.4	81.8	77.8	8.3	1004.6	206.4	14.6	0.2	0	0
08-09-2025	20:00:00	28.8	28.6	28.4	86.8	85.1	83.7	0.4	1005	193.1	16.6	0.6	0	0
08-09-2025	21:00:00	28.8	28.5	28.3	87.7	85.3	84	0.5	1005.7	208.5	17.2	1	0	0
08-09-2025	22:00:00	28.7	28.3	28.2	89.1	86.9	85.2	0.8	1007.1	202.8	11.9	1.2	0	0
08-09-2025	23:00:00	28.7	28.2	28	90.3	88.4	87	1	1007.5	199.9	15.2	0.9	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
09-09-2025	00:00:00	28.4	28	27.8	91.5	89.6	87.6	1.3	1007.5	194.3	9.3	0.7	0	0
09-09-2025	01:00:00	28.4	28	27.7	91.9	89.7	87.8	1.3	1007.4	201.9	12.6	1.6	0	0
09-09-2025	02:00:00	28.1	27.8	27.6	91	89.5	88.4	1.3	1007.3	198.2	11.9	1.3	0	0
09-09-2025	03:00:00	28.1	27.7	27.5	91.4	89.6	88	1.3	1006.7	206.8	12.6	1.3	0	0
09-09-2025	04:00:00	28.3	27.8	27.5	90.7	88.8	87.7	1.3	1006.4	204.5	11.9	1.2	0	0
09-09-2025	05:00:00	28.1	27.7	27.6	91.5	89.7	88.2	1.3	1006.5	179.3	16.6	0.7	0	0
09-09-2025	06:00:00	28.3	27.9	27.7	91.7	89.1	86.9	1.2	1006.6	194.3	13.3	0.8	0	0
09-09-2025	07:00:00	28.3	27.9	27.6	90.4	88.1	86.6	1.6	1007	202.1	25.2	1.1	0	0
09-09-2025	08:00:00	28.2	27.7	27.4	96	93.3	88.6	32.5	1007.8	75.6	15.2	0.8	0	0
09-09-2025	09:00:00	28.8	27.7	27.1	98.9	94.9	91.2	63.6	1009.1	82.9	9.9	0.1	0	0
09-09-2025	10:00:00	29.4	28.9	28.3	92.6	89.3	86.9	124	1009.7	87.6	9.9	0	0	0
09-09-2025	11:00:00	29.8	28.7	27.8	96	92.5	88	126	1009.6	64.4	11.3	0.2	0	0
09-09-2025	12:00:00	31.9	30.6	29	91.4	82.6	74.7	210.6	1010.2	171.4	13.3	0.4	0	0
09-09-2025	13:00:00	32.5	31.6	30.4	78.6	71.8	65.4	329.5	1010	190.7	18.6	1	0	0
09-09-2025	14:00:00	33	32.4	31.5	70	65.5	63	317.2	1009.6	196.4	14.6	1	0	0
09-09-2025	15:00:00	33.2	32.6	31.4	70.9	65.5	62.5	296.4	1009.3	172.4	12.6	0.8	0	0
09-09-2025	16:00:00	33.4	33	32.4	64.7	62.1	60.2	275.3	1008.9	158.5	12.6	0.7	0	0
09-09-2025	17:00:00	33.1	32.4	31.9	67.9	64.5	61.4	183.6	1008.6	175.5	11.3	0.5	0	0
09-09-2025	18:00:00	32	31	30.3	74.4	68.6	62.5	82.7	1008.2	190.3	12.6	0.6	0	0
09-09-2025	19:00:00	30.5	29.4	28.7	82.7	78.9	72.9	10.6	1007.9	142.6	11.9	1.1	0	0
09-09-2025	20:00:00	29	28.7	28.5	86.6	84.9	82.1	0.4	1008	187.4	11.3	0.9	0	0
09-09-2025	21:00:00	28.7	28.5	28.3	88.2	86.9	85.8	0.5	1008.4	166.9	9.9	0.7	0	0
09-09-2025	22:00:00	28.7	28.3	28	88.7	87.3	86.4	0.8	1009.2	198.8	10.6	0.9	0	0
09-09-2025	23:00:00	28.4	28	27.8	89.4	87.9	86.9	1	1009.3	200.4	9.3	0.4	0	0
10-09-2025	00:00:00	28.2	27.8	27.5	92.1	90	88.8	1.1	1009.3	200.6	9.3	0.7	0	0
10-09-2025	01:00:00	27.9	27.4	27.2	93	91.5	90.3	1.2	1008.8	199.7	8.6	0.7	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
10-09-2025	02:00:00	27.6	27.3	27.1	92.8	90.8	89.6	1.3	1008.5	198	9.3	1.1	0	0
10-09-2025	03:00:00	27.6	27.2	26.9	92.4	90.7	89.6	1.5	1008.3	200.6	8.6	0.3	0	0
10-09-2025	04:00:00	27.4	27	26.8	92.7	91.6	89.8	1.5	1008	205.4	9.3	0.2	0	0
10-09-2025	05:00:00	27.3	26.9	26.7	95.3	93.4	91.8	1.5	1008.4	202.3	8.6	0.5	0	0
10-09-2025	06:00:00	27.2	26.8	26.5	99	95.9	94.6	1.6	1009	197.6	6.6	0.4	0	0
10-09-2025	07:00:00	27.6	27.1	26.6	97	95.1	93.8	3.8	1009.6	198.8	7.9	0.7	0	0
10-09-2025	08:00:00	29.2	27.9	27.2	94.6	89.1	80.6	48.9	1010.6	201.5	8.6	0.5	0	0
10-09-2025	09:00:00	30.5	29.3	28.4	88.6	81.4	75.3	94.2	1011.6	214.5	9.3	1.1	0	0
10-09-2025	10:00:00	29.2	28.8	28.3	89.1	86.9	83.6	91.8	1011.6	221.9	10.6	0.9	0	0
10-09-2025	11:00:00	31.4	30.4	29	84.2	77.3	71.9	155.1	1012.6	201.6	11.3	0.8	0	0
10-09-2025	12:00:00	32.4	31.8	31.3	73.5	70	65.3	373.7	1012.7	206	10.6	0.7	0	0
10-09-2025	13:00:00	33.5	32.9	32.3	68.3	62.4	57.6	392.2	1011.8	163.4	9.9	0.6	0	0
10-09-2025	14:00:00	33.7	33	32.3	65.2	60.4	54.6	380.3	1010.8	189.5	13.9	0.7	0	0
10-09-2025	15:00:00	33.8	33.5	33	60.5	57.2	54.3	340	1010.3	164.2	14.6	0.6	0	0
10-09-2025	16:00:00	34	33.3	32.1	63.4	58	53.9	254.7	1009.7	174.9	13.9	0.4	0	0
10-09-2025	17:00:00	32.8	31.6	30.8	68.5	64.6	58.8	137.8	1008.7	203.3	12.6	0.9	0	0
10-09-2025	18:00:00	31.2	30.6	29.9	72.5	69.4	66	78.3	1008.1	203.3	15.2	0.8	0	0
10-09-2025	19:00:00	30	29.1	28.6	80.6	78	72.3	7.3	1007.2	205.6	11.9	0.5	0	0
10-09-2025	20:00:00	28.8	28.6	28.5	84.6	82.8	79.9	0.5	1007.5	206.8	12.6	0.6	0	0
10-09-2025	21:00:00	28.7	28.6	28.4	84	81	77.9	0.5	1008	202	11.3	0.2	0	0
10-09-2025	22:00:00	28.8	28.5	28.3	86.2	83.7	82	0.6	1008.7	207.7	8.6	0.5	0	0
10-09-2025	23:00:00	28.7	28.4	28.2	89.3	87	85.4	0.9	1008.9	210.2	8.6	0.1	0	0
11-09-2025	00:00:00	28.6	28.2	28	89.4	87.9	86.4	1	1009	201.6	1.9	0	0	0
11-09-2025	01:00:00	28.4	27.9	27.6	91.2	89.3	87.1	1.1	1008.6	0	0	0	0	0
11-09-2025	02:00:00	27.9	27.5	27.2	92.6	91.3	90.5	1.3	1008.2	0	0	0	0	0
11-09-2025	03:00:00	27.6	27.1	26.7	95.7	93.8	91.7	1.5	1007.7	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
11-09-2025	04:00:00	27.2	26.7	26.4	96	95.2	94.8	1.5	1007.5	205.3	6.6	0	0	0
11-09-2025	05:00:00	26.9	26.5	26.2	95.9	94.7	93	1.7	1007.6	228.6	11.3	2.4	0	0
11-09-2025	06:00:00	27.1	26.6	26.3	94.4	93.2	92.5	1.6	1007.8	222.3	14.6	5.6	0	0
11-09-2025	07:00:00	26.7	26.2	25.9	95.8	94.7	93.7	3.3	1008.2	204.5	6.6	0.6	0	0
11-09-2025	08:00:00	27.8	26.9	26.3	94.9	91.6	88	39.2	1009.1	205.8	8.6	0.4	0	0
11-09-2025	09:00:00	29	28.5	27.6	88.6	82.1	77.1	148.9	1010.3	203.5	1.9	0	0	0
11-09-2025	10:00:00	31.2	30	28.9	78.7	75.1	69.9	244.9	1011.4	221.7	9.9	0.5	0	0
11-09-2025	11:00:00	32.6	31.4	30.8	71.3	67.5	63.2	203.9	1011.7	196.1	9.9	0.7	0	0
11-09-2025	12:00:00	33.5	32.6	32.1	66.2	63.2	59.8	368.4	1011.5	117.9	12.6	0.6	0	0
11-09-2025	13:00:00	33.9	33.5	33	62.3	58.8	55.6	392.3	1011.4	117.4	10.6	0.9	0	0
11-09-2025	14:00:00	34.4	34	33.7	57.6	55.2	53	379.3	1010.6	104.9	13.3	1	0	0
11-09-2025	15:00:00	34.3	34.1	33.8	57.4	55.3	52.9	333.2	1009.9	115.1	12.6	0.8	0	0
11-09-2025	16:00:00	34.2	33.7	33	62.3	58	55.3	268.6	1009.2	194.5	12.6	0.6	0	0
11-09-2025	17:00:00	33.7	32.4	31.5	68	64.6	59.8	180.1	1008.5	212.8	13.3	1	0	0
11-09-2025	18:00:00	31.7	30.7	29.9	76.3	72.2	67.4	66.9	1007.8	217.3	11.9	0.4	0	0
11-09-2025	19:00:00	30.1	29.3	28.9	81.6	79.2	75.9	7	1007.5	219.7	7.3	0	0	0
11-09-2025	20:00:00	29	28.9	28.7	82.5	80.1	77.3	0.5	1007.8	0	0	0	0	0
11-09-2025	21:00:00	29.1	28.8	28.6	88.4	84.2	80.9	0.7	1008.3	214.3	18.6	3.9	0	0
11-09-2025	22:00:00	29.1	28.7	28.6	89.8	88.2	87.3	1.1	1009	212.1	22.6	8.2	1.9	0
11-09-2025	23:00:00	29	28.6	28.3	91.7	89.7	88.2	1.2	1009.2	214.2	22.6	7.8	1.3	0
12-09-2025	00:00:00	28.7	28.3	28.1	92.1	90.5	87.8	1.4	1009.1	216.1	19.9	8.2	0	0
12-09-2025	01:00:00	28.5	28	27.7	90.8	89	86.6	1.2	1008.6	221.2	23.9	9.6	1.3	0
12-09-2025	02:00:00	28.2	27.7	27.4	87.3	85.1	83.9	0.9	1007.9	232.9	23.9	9.9	1.9	0
12-09-2025	03:00:00	27.7	27.2	26.9	89.8	88.1	86.2	1.1	1007.4	233.8	21.9	8.7	1.9	0
12-09-2025	04:00:00	27.5	26.9	26.6	92.4	90.9	89.2	1.2	1007.5	232.8	17.2	7.1	0.6	0
12-09-2025	05:00:00	27	26.6	26.4	93.3	92.2	91.6	1.4	1007.6	235.8	17.2	7.2	0.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Dahej station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
12-09-2025	06:00:00	27	26.6	26.3	94.6	93.1	91.9	1.5	1007.9	235.7	12.6	5	0	0
12-09-2025	07:00:00	26.7	26.4	26.2	95.4	94.5	93.9	2.2	1008.5	224.2	12.6	1.8	0	0
12-09-2025	08:00:00	28.5	27	26.3	95.5	93.4	88.4	37.1	1009.6	236.7	5.9	0.1	0	0
12-09-2025	09:00:00	29.9	29	28.1	89.1	83.5	79.1	139.1	1011.3	248.6	13.9	2.5	0	0
12-09-2025	10:00:00	30.7	30	29.6	80.2	76.4	73.3	230.3	1011.9	244.6	17.9	5.1	0	0
12-09-2025	11:00:00	31.3	30.6	30.1	76.9	72.6	69.2	185.8	1011.9	239.3	15.9	3.9	0	0
12-09-2025	12:00:00	32.4	31.5	30.4	75.5	68.8	62	311.2	1012	236	19.9	5.2	0	0
12-09-2025	13:00:00	33.4	32.7	31.6	65.6	58.9	54.1	379	1011.8	236.7	20.6	4.7	0	0
12-09-2025	14:00:00	35.8	34.1	32.5	60.4	52	45.3	373.3	1011.3	233.2	14.6	2.3	0	0
12-09-2025	15:00:00	35.5	34.7	33.8	51.4	47.5	44.6	333.3	1010.4	232.9	14.6	3.5	0	0
12-09-2025	16:00:00	35.5	34.5	33.3	51.6	47.3	43.5	243.2	1009.4	243	16.6	4	0	0
12-09-2025	17:00:00	34.6	34	33.4	51.2	48.1	45.3	170.9	1008.5	243.9	15.2	2.5	0	0
12-09-2025	18:00:00	34	32.5	31.4	60.6	54.8	48.4	75.6	1007.9	240	11.9	2.6	0	0
12-09-2025	19:00:00	32.1	30.6	29.3	75.2	66.3	56	10.5	1007.6	219.9	9.9	1.9	0	0
12-09-2025	20:00:00	29.4	29	28.8	80	76.9	74.9	0.6	1007.5	204.6	10.6	2.6	0	0
12-09-2025	21:00:00	29.1	28.9	28.7	82.1	81.1	79.9	0.6	1008.1	202.8	11.3	2.6	0	0
12-09-2025	22:00:00	29.2	28.9	28.7	86.4	83.5	81.3	0.6	1008.5	201.9	10.6	3.6	0	0
12-09-2025	23:00:00	29.2	28.8	28.6	90.2	87.4	85.6	1	1008.9	201.8	11.3	3.6	0	0

Hazira Meteorological Data

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
13-08-2025	00:00:00	31.4	31.5	31.4	87.6	85.9	83.8	0	1005.7	217.5	46.6	22.6	7.3	0
13-08-2025	01:00:00	31.6	31.4	31.2	87.4	86	84.6	0	1004.8	218.9	45.3	22.2	9.3	0
13-08-2025	02:00:00	31.6	31.4	31.4	88.2	87.2	86	0	1004.6	216.6	47.3	23.4	10.6	0
13-08-2025	03:00:00	31.6	31.4	31.2	92.7	87.3	83.7	0	1004.5	214.9	44.6	21.3	8.6	0
13-08-2025	04:00:00	31.6	31.3	31.2	94.2	93.1	91.3	0	1004.5	221	38	16.9	6.6	0
13-08-2025	05:00:00	31.6	31.1	30.5	93.7	90.6	86.1	0	1004.5	226.2	30	14.3	5.3	0
13-08-2025	06:00:00	31.5	31.2	30.8	94.9	91.1	86.2	0	1005.5	233.3	28.6	10.1	2	0.5
13-08-2025	07:00:00	31.6	31.2	30.7	99.4	97.4	93.6	0.1	1005.9	225.9	24.6	10.9	1.3	0
13-08-2025	08:00:00	33.3	32.4	31.2	98.9	96.8	93.6	15.8	1007.2	219.2	29.3	14.8	4	0
13-08-2025	09:00:00	34.5	33.7	32.5	93.8	87.5	80.8	54.5	1009	237.1	36	14.2	5.3	0
13-08-2025	10:00:00	35.2	34.4	33.7	81.9	76.5	72.8	83.7	1010.2	264.6	35.3	10.8	3.3	0
13-08-2025	11:00:00	36	35.5	34.8	76	73.5	69.6	135.3	1009.7	230.5	40	15.7	6	0
13-08-2025	12:00:00	36.2	35.5	34.6	84.6	82.4	75.7	146.2	1009	227.2	39.3	17.8	7.3	0
13-08-2025	13:00:00	36.2	35.8	35.4	88.4	82.9	76.3	169.3	1008.1	220.5	43.3	22.2	6	0
13-08-2025	14:00:00	36.6	36.1	35.6	76.5	69.6	62.6	163.2	1007.4	221	44.6	22.2	7.3	0
13-08-2025	15:00:00	36.5	36.1	35.4	69.3	66.6	63.3	146.3	1006.3	218.9	47.3	24.9	8.6	0
13-08-2025	16:00:00	36.4	35.9	35.4	69.4	66.5	63.8	109.3	1005.7	217.4	50	26.4	8.6	0
13-08-2025	17:00:00	36.3	35.3	34.4	67.1	64.1	61.6	65.7	1004.8	218.5	50.6	27.9	12	0
13-08-2025	18:00:00	35.3	34.3	33.5	72.4	67.8	64.2	24.5	1004.1	217.6	49.3	27.7	11.3	0
13-08-2025	19:00:00	33.9	33.1	32.5	78.9	75.5	71.7	2.2	1003.4	213.9	52.6	27.2	8.6	0
13-08-2025	20:00:00	32.8	32.4	32	82.1	79.8	78	0	1003.8	216	46.6	26	10.6	0
13-08-2025	21:00:00	32.6	32.2	31.9	82.6	81.7	80.3	0	1003.8	216.7	50.6	24.4	9.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
13-08-2025	22:00:00	32.4	32	31.7	84.8	82	80.7	0	1004.4	211.2	46	25.3	6.6	0
13-08-2025	23:00:00	32.2	31.9	31.6	87.2	86.2	84.6	0	1005	214.4	52.6	24.9	10.6	0
14-08-2025	00:00:00	29	28.7	28.1	100.2	99.3	98.4	0	1002.6	231.6	28	5.3	0	0.5
14-08-2025	01:00:00	29.5	28.7	27.8	108.8	101.6	98.8	0	1002.2	236.3	26.6	4.6	0	3
14-08-2025	02:00:00	29.5	28.9	28.1	108.8	105.8	100.2	0	1001.7	226.7	20.6	4.7	1.3	1
14-08-2025	03:00:00	29.6	29.1	28.5	102	99.6	98.5	0	1001.8	231	21.3	7	2	0
14-08-2025	04:00:00	29.8	29.4	29	99.1	98	97.2	0	1001.5	219.4	14.6	6.9	3.3	0
14-08-2025	05:00:00	29.7	29.4	29	98.3	97.6	96.9	0	1001.8	213.1	20	8.5	2.6	0
14-08-2025	06:00:00	29.9	29.5	29.2	98	97.2	96.7	0	1001.9	222.6	12	2.3	0	0
14-08-2025	07:00:00	30	29.4	28.8	99.4	98.1	96.9	0	1002.4	110.8	34.6	11.4	1.3	0
14-08-2025	08:00:00	29.6	29.2	28.6	101.1	99.4	98.7	9.2	1002.8	154.9	34.6	21.9	9.3	0
14-08-2025	09:00:00	30.2	29.7	29.2	99.6	97.6	96	66.9	1003.7	164.1	32	20.2	9.3	0
14-08-2025	10:00:00	31.2	30.6	29.9	97	94.9	92.4	134.2	1004.6	170	32.6	19.9	9.3	0
14-08-2025	11:00:00	32.2	31.3	30.8	93.1	91.1	88	245.6	1005.1	164.6	34.6	21	10	0
14-08-2025	12:00:00	32.9	31.8	31.2	90.7	88.3	84.4	279.2	1004.9	164.6	36	23.2	11.3	0
14-08-2025	13:00:00	33.3	32.6	32	87.2	84.9	82.1	308	1004.6	171	41.3	22.6	10	0
14-08-2025	14:00:00	33.5	33	32.5	84.3	82	80.3	279.5	1004.2	184.3	43.3	24.6	8.6	0
14-08-2025	15:00:00	33.4	32.9	32.5	84.1	82	80.1	278.8	1003.2	195.4	42	25.5	11.3	0
14-08-2025	16:00:00	34	33.4	32.7	81.9	79.8	77.4	276.8	1002.9	204.6	40.6	22.4	8.6	0
14-08-2025	17:00:00	34.1	33.3	32.7	82.8	80.8	78.1	182.9	1002.2	207.2	39.3	20.8	8.6	0
14-08-2025	18:00:00	33.5	32.7	32.1	84.1	82	80	113.8	1002.1	209.8	36	20.7	6.6	0
14-08-2025	19:00:00	32.5	31.7	31	87.8	85.6	83.3	25.4	1002.4	209.8	31.3	17.5	6	0
14-08-2025	20:00:00	31.4	30.9	30.4	90.4	89	87	0	1002.2	210.4	32.6	15	7.3	0
14-08-2025	21:00:00	31	30.6	30.3	91.8	90.8	90	0	1002.6	200.5	28.6	14.5	5.3	0
14-08-2025	22:00:00	30.8	30.5	30.3	93.5	92.2	91.1	0	1002.9	192.2	27.3	14	5.3	0
14-08-2025	23:00:00	30.9	30.5	30.2	93.5	92.6	92.1	0	1003.3	194.9	26	12.7	4	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
15-08-2025	00:00:00	30.9	30.6	30.3	93.6	92.8	91.3	0	1003.2	195.8	20	11	4.6	0
15-08-2025	01:00:00	30.8	30.4	30	93.9	93.4	92.8	0	1002.9	200	18	9.6	4.6	0
15-08-2025	02:00:00	30.6	30.2	29.8	95.4	94.3	93.4	0	1002.1	213.7	24	10	4	0
15-08-2025	03:00:00	30.4	30.1	29.8	94.8	93.5	92.4	0	1001.4	229.1	16	7.2	2.6	0
15-08-2025	04:00:00	30.6	30.3	30	93	92.2	91.3	0	1001.3	237.9	17.3	6.3	0.6	0
15-08-2025	05:00:00	30.8	30.4	30.2	92.3	91.6	91	0	1001.5	243.5	17.3	7.4	2.6	0
15-08-2025	06:00:00	30.8	30.5	30.2	93.2	92.4	91.5	0	1001.6	237	16.6	6.4	2	0
15-08-2025	07:00:00	30.7	30.4	30.1	93.8	93.2	92.6	0.6	1002	228.1	18.6	7.8	2.6	0
15-08-2025	08:00:00	31.9	31.1	30.4	93.3	91.2	88.7	36.8	1003	223.6	22	9.6	2	0
15-08-2025	09:00:00	33.5	32.1	31.2	89.8	87.3	82.2	117.1	1004.1	225.3	24.6	11.3	4	0
15-08-2025	10:00:00	33.6	32.6	32	86	84.1	81.8	87.2	1004.6	223.7	24.6	10.3	4	0
15-08-2025	11:00:00	32.7	32.2	31.6	88.2	85.3	83.4	88.2	1004.5	212.8	24	11.9	4.6	0
15-08-2025	12:00:00	32	30.9	29.3	93.4	89	86.6	41.6	1003.9	274.9	24.6	9	4	2.5
15-08-2025	13:00:00	29.6	28.9	28.4	98.2	96.4	92.9	20.7	1002	292	27.3	6.2	0	5
15-08-2025	14:00:00	29.4	28.7	28.1	100.1	98.7	96.6	66.4	1001.8	15.3	18.6	9.6	2.6	1
15-08-2025	15:00:00	30.3	29.1	28.3	100.2	98.7	97.2	114.2	1007	11.6	14.6	4.7	0	0.5
15-08-2025	16:00:00	32.9	31.6	30	97.8	94.2	89.2	203.7	1008.2	210.5	18.6	5.7	0	0
15-08-2025	17:00:00	32.5	31.8	31	93.4	91.4	89.4	138.9	1000.7	184.9	36	12.9	4.6	0
15-08-2025	18:00:00	32.5	31.7	31	90.9	89.5	88	79	1000.3	214.8	36.6	18.4	7.3	0
15-08-2025	19:00:00	31.2	30.9	30.2	92.6	91.7	90.6	1.1	1001	232.4	26	11.5	1.3	0
15-08-2025	20:00:00	31	30.8	30.4	94	93.2	92.1	0	1001.1	222.6	28.6	14	6	0
15-08-2025	21:00:00	31	30.7	30.4	94	93.5	93.1	0	1002.1	226.6	25.3	11.3	4.6	0
15-08-2025	22:00:00	31	30.6	30.3	93.7	92.8	92.3	0	1002.5	217	24.6	12.8	6	0
15-08-2025	23:00:00	31	30.7	30.4	94.1	93.1	92.4	0	1002.4	205.5	32	16.4	7.3	0
16-08-2025	00:00:00	31	30.6	30.3	94.2	93.5	92.3	0	1001.9	219.8	31.3	14.7	5.3	0
16-08-2025	01:00:00	31	30.7	30.3	93.4	92.8	92.3	0	1001.8	231.2	28	9.4	3.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
16-08-2025	02:00:00	30.8	30.6	30.3	94.9	94	93	0	1001.2	235.5	12	5.3	2	0
16-08-2025	03:00:00	30.6	30.3	29.8	96.1	95.2	94.2	0	1000	270.5	14	3.3	1.3	0
16-08-2025	04:00:00	30.1	28.7	27.5	103.4	98.4	95.1	0	997.8	0.3	18.6	7.9	0.6	13
16-08-2025	05:00:00	28.9	28.1	27.3	108.8	107.3	101.8	0	997.9	201.7	15.3	5	0	0.5
16-08-2025	06:00:00	29.2	28.8	28.1	108.3	107.2	106.3	0	999.9	197.7	19.3	8.7	1.3	0
16-08-2025	07:00:00	29.2	28.8	28.3	108.3	107.4	106.3	0	999.7	224.2	14.6	4.7	0	0.5
16-08-2025	08:00:00	28.9	28.4	27.7	108.4	107.6	106.3	7.9	999.6	257.2	14.6	6.4	1.3	0.5
16-08-2025	09:00:00	29.9	29.1	28.3	108.8	107.6	103.6	51	1003.7	233.2	14.6	6.3	2.6	0
16-08-2025	10:00:00	30.8	29.9	29	108.1	99.8	96.5	85.9	1008.2	248	15.3	7.2	2.6	0
16-08-2025	11:00:00	31.4	30.8	30.4	97.1	95.1	93.4	66.7	1006.2	263.7	18	7.8	2	0
16-08-2025	12:00:00	30.8	30.5	30.2	95	93.4	92.2	32.2	1001.7	286.8	13.3	3.9	0	0
16-08-2025	13:00:00	30.8	30.4	29.8	95.8	93.8	92.2	12.6	1001.2	244.1	12	4.1	0	1
16-08-2025	14:00:00	30.2	29.7	28.8	100.2	97.5	95.4	24	999.9	186.7	33.3	8.9	0	4
16-08-2025	15:00:00	30	29.3	28.7	108.2	100.3	98.9	123.8	1002.2	189.1	28.6	15.2	8	1
16-08-2025	16:00:00	31.2	30.3	29.4	99.9	97.7	95.3	163.4	1006.3	195	32	16.9	7.3	0
16-08-2025	17:00:00	31.6	31	30.5	96.2	94.9	93.5	116.2	998.9	200.8	31.3	17.6	4.6	0
16-08-2025	18:00:00	31.3	30.9	30.6	95.2	93.7	92.8	83.4	998.9	208.8	36	19.5	8	0
16-08-2025	19:00:00	30.9	30.4	30	96.1	94.8	93.1	11.6	999	215.7	36.6	19.5	8	0
16-08-2025	20:00:00	30.6	30.2	29.9	97	96.3	95.6	0	999.5	228.1	38.6	15.1	5.3	0
16-08-2025	21:00:00	30.4	30.1	29.8	97.2	96.8	96.2	0	1000.2	232.5	26.6	11.5	4.6	0
16-08-2025	22:00:00	30.3	29.9	29.4	99.2	97.5	96.5	0	1000.8	243.6	63.3	12.3	4.6	1
16-08-2025	23:00:00	29.9	29.5	29.1	100	99.4	98.7	0	1000.2	261.8	26.6	12.3	4	0.5
17-08-2025	00:00:00	29.9	29.5	28.8	100.4	99.4	98.6	0	1000.3	268.4	23.3	9.9	3.3	0
17-08-2025	01:00:00	29.7	29.3	29	99.2	98	96.6	0	999.4	261.6	22.6	10.1	3.3	0
17-08-2025	02:00:00	29.8	29.5	29.2	97.2	96.5	96.2	0	999	288.9	14.6	4.4	0.6	0
17-08-2025	03:00:00	29.9	29.5	29.2	97.6	97.1	96.6	0	998.3	291.9	14	4.9	0.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
17-08-2025	04:00:00	29.6	29.3	29.1	97.9	97.5	97.1	0	998.3	283.4	7.3	3.2	0	0
17-08-2025	05:00:00	29.9	29.3	28.9	99.2	98.2	97.4	0	998.2	120.3	18	3	0	0
17-08-2025	06:00:00	29.8	29.4	28.9	104.3	99.9	98.8	0	998.5	105.6	18	7.5	0.6	0
17-08-2025	07:00:00	29.8	29.4	28.7	108.8	104.7	99.8	0	998.4	92.3	16.6	6.7	0	0
17-08-2025	08:00:00	29.7	29.1	28.4	108.8	107.9	105.3	11.1	998.8	98.9	28	12.2	0.6	0
17-08-2025	09:00:00	29.1	28.7	28.2	108.5	107.7	106.2	15.3	999.4	105.8	27.3	17.6	7.3	0
17-08-2025	10:00:00	29.6	29.1	28.4	108.9	107.9	103.8	108.4	1000.2	112	22.6	14.4	7.3	0
17-08-2025	11:00:00	30.2	29.5	28.9	108.8	106.2	100	111.8	1000.2	143.8	38	22.3	12.6	0
17-08-2025	12:00:00	30.6	30.1	29.4	106.5	99.6	97.4	104.3	1000.4	169.8	40.6	26.1	11.3	0
17-08-2025	13:00:00	31.3	30.6	30.1	98.5	96.7	94.5	113	1000.2	187.1	38.6	21.8	10	0
17-08-2025	14:00:00	32.2	31.7	31	95.8	92.4	90.4	218.5	999.9	180.2	42.6	22.3	11.3	0
17-08-2025	15:00:00	31.9	31.4	31.1	92.2	91.4	90.3	124.8	999.1	198.7	35.3	18.8	6.6	0
17-08-2025	16:00:00	32.2	31.4	30.6	92.7	90.5	88.7	93.3	998.8	200.5	34.6	18.1	6	0
17-08-2025	17:00:00	31	30.4	29.8	96.3	94	92.2	0.9	998.3	207.1	30.6	15.7	5.3	0
17-08-2025	18:00:00	30.2	29.8	29.1	98.5	97.1	95.6	7.6	997.8	214.4	46.6	16.8	7.3	0
17-08-2025	19:00:00	29.8	29.3	28.9	99.4	98.8	97.8	7.2	998	210.8	42	20.2	10	0
17-08-2025	20:00:00	29.8	29.2	28.7	99.3	98.2	97.2	0	998.9	214	39.3	17.4	6.6	0
17-08-2025	21:00:00	29.9	29.3	28.9	99.1	98	96.4	0	1000	213.5	40	17.3	7.3	0
17-08-2025	22:00:00	30	29.4	28.7	99.1	97.5	96.2	0	1000.4	201	36.6	19.6	8	0.5
17-08-2025	23:00:00	30.2	29.8	29.5	97.4	96.6	95.8	0	1000.9	202.2	40	20.3	8	0
18-08-2025	00:00:00	30.4	30.1	29.8	96.5	95.6	95	0	1001.5	209.4	39.3	17.9	6	0
18-08-2025	01:00:00	30.3	29.7	29.3	98.2	97	95.4	0	1000.9	220.3	34	14.9	3.3	0
18-08-2025	02:00:00	30.3	29.9	29.5	98	97	96.2	0	1000.8	212.5	33.3	14.5	6	0
18-08-2025	03:00:00	30.2	29.5	28.5	99.8	97.8	95.4	0	999.8	216.7	46	14.5	4.6	0
18-08-2025	04:00:00	29.7	28.9	27.7	108.8	102	97.4	0	999.7	218.1	40.6	12.6	3.3	1.5
18-08-2025	05:00:00	29.4	28.8	28.1	108.8	107.8	106	0	999.6	214.2	32	10.5	2.6	0.5



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
18-08-2025	06:00:00	29.2	28.8	28	108.8	107.6	105.8	0	999.9	203.9	24.6	10.6	4.6	0
18-08-2025	07:00:00	29.5	29	28.4	108.9	107.7	106	1.5	1000	191.4	21.3	10.5	5.3	0
18-08-2025	08:00:00	30.3	29.7	28.8	108.8	103.7	99.2	26.6	1000.4	185.7	26	14	6	0
18-08-2025	09:00:00	31.6	30.7	29.8	99.8	97.6	95.2	112.7	1002	194.9	34	16.2	4	0
18-08-2025	10:00:00	31.8	31.2	30.6	96.6	95.2	93.6	119.5	1002.7	194.3	28.6	16.3	6	0
18-08-2025	11:00:00	32.1	31.5	30.4	96.2	93.4	91.6	157.1	1003.2	222.8	32	15.4	2	0
18-08-2025	12:00:00	32.2	31.6	31	92.3	90.8	88.7	135.4	1003	230.7	30.6	13.3	5.3	0
18-08-2025	13:00:00	32.9	32.3	31.6	89.5	87	84.5	181	1002.9	222.5	30	13.9	6	0
18-08-2025	14:00:00	33.1	32.7	32.3	88.1	86.8	84.5	185.1	1002.1	204.6	23.3	10.8	3.3	0
18-08-2025	15:00:00	34.2	33.4	32.6	85.3	82.8	79.8	215.3	1001.3	205.5	20.6	9	2.6	0
18-08-2025	16:00:00	33.6	31.7	29.6	96.9	88.1	81.2	73.8	999.8	138	44.6	15.3	5.3	0
18-08-2025	17:00:00	30.1	29.1	28.3	108.8	101.3	96.5	32.4	998.1	157.3	42	23	12	1
18-08-2025	18:00:00	29.6	28.9	28.1	108.8	107.7	101.3	39.2	997.9	152.7	54	30.5	15.3	1
18-08-2025	19:00:00	29.8	29.3	28.3	108.5	107.6	106.1	8.6	999.2	166.4	62	32.4	12	0
18-08-2025	20:00:00	29.4	28.9	28.4	108.5	107.7	106.6	0	998.6	187.9	36.6	17.1	6	0
18-08-2025	21:00:00	29.6	29.1	28.4	108.4	107.6	106.5	0	998.9	176.9	30.6	13.5	4.6	2
18-08-2025	22:00:00	29.6	29.3	28.7	108.4	107.7	106.5	0	999.4	216.2	55.3	25.2	10.6	0
18-08-2025	23:00:00	29.6	29.1	28.4	108.4	107.7	106.6	0	999.7	213.5	54	27.4	11.3	0
19-08-2025	00:00:00	29.8	29.2	28.5	108.8	106	99.4	0	1001.1	204	54	27.5	10.6	0
19-08-2025	01:00:00	29.8	29.2	28.7	102.5	99.3	98.3	0	1000.1	191.9	42.6	24.8	10.6	0
19-08-2025	02:00:00	29.8	29.4	28.8	100.6	99	98	0	999.4	198	56	28.8	12	0
19-08-2025	03:00:00	29.6	29	28.4	99.7	98.8	97.9	0	998.3	199.5	54	26	10.6	0
19-08-2025	04:00:00	29.6	29.3	29	98.4	96.5	95.1	0	998.2	200.2	44.6	22.5	11.3	0
19-08-2025	05:00:00	30	29.6	29.2	97.8	96.7	95.4	0	997.7	210.7	41.3	19.7	8.6	0
19-08-2025	06:00:00	29.9	29.5	29.2	98.5	97.5	96.8	0	997.8	208.8	26.6	11	4	0
19-08-2025	07:00:00	30	29.7	29.4	99.2	98.5	97.8	0.9	998.1	190.8	16.6	8.2	3.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
19-08-2025	08:00:00	30.6	30	29.5	99.1	97.7	96.2	22.5	999	177.3	14.6	7.7	3.3	0
19-08-2025	09:00:00	31	30.5	29.8	97.6	96.1	94.9	54.4	999.7	150.3	32	12.1	4	0
19-08-2025	10:00:00	30.3	29.5	28.6	108.9	101.9	97	87.8	999.4	111.4	42	24.3	8	0
19-08-2025	11:00:00	30.1	29.7	28.3	108.9	102.1	99.1	217.6	1007.2	115.2	40.6	27.7	6	0
19-08-2025	12:00:00	30.6	30.2	29.5	101.1	99.2	97.8	152.6	1000.6	126.2	40	25.7	16	0
19-08-2025	13:00:00	30.6	30.2	29.7	100.8	98.7	97.3	87	998.9	148.7	46.6	33.5	20	0
19-08-2025	14:00:00	30.8	30.3	29.8	100	97.9	95.6	191.6	998.8	154.4	55.3	39.2	22.6	0
19-08-2025	15:00:00	32.3	31.5	30.6	96.5	92.7	89.1	357	998.3	151.6	40.6	26.8	14.6	0
19-08-2025	16:00:00	32.1	31.3	30.1	95.1	92.7	90.1	146.4	996.9	154.2	62.6	32.1	12.6	0
19-08-2025	17:00:00	32	31.3	30.4	95.3	92	89.9	118.4	996.3	117.4	62	38.7	18	0
19-08-2025	18:00:00	30.8	30.1	29.6	97.7	95.3	93.1	14.9	995.8	168.2	44.6	20.2	8	0
19-08-2025	19:00:00	30.1	29.7	29.2	98.3	95.8	94.2	4.1	995.6	98.4	45.3	21.6	2.6	0
19-08-2025	20:00:00	30.2	29.9	29.4	99.4	98.3	97.4	0	995.6	114.3	25.3	8.4	0.6	0
19-08-2025	21:00:00	30.3	29.8	29.3	100.8	99.5	98.2	0	996.6	29.6	18.6	3.1	0	0
19-08-2025	22:00:00	30	29.7	29.1	108.8	103.4	99.8	0	997.1	288.7	26.6	8.2	0.6	0
19-08-2025	23:00:00	30.1	29.2	28.2	108.8	106	99.5	0	998.1	245.1	61.3	26.4	8	0
20-08-2025	00:00:00	29	28.6	28	108.7	107.6	106.1	0	997.8	242.9	58	25.6	12.6	0.5
20-08-2025	01:00:00	29	28.4	27.8	108.3	107.2	106	0	997.2	243.8	62	28.8	11.3	3
20-08-2025	02:00:00	28.5	28.3	27.9	109.2	107.6	105.6	0	996.9	243	67.3	31	13.3	2.5
20-08-2025	03:00:00	28.5	28	27.7	109.2	109	108.8	0	996.2	245.8	68	33.5	16	4.5
20-08-2025	04:00:00	28.5	28.1	27.8	109.2	109	108.8	0	996	245.7	71.3	32.1	12.6	10.5
20-08-2025	05:00:00	28.4	28.1	27.8	109.2	109	108.8	0	996.1	249.5	55.3	29.2	10.6	8
20-08-2025	06:00:00	28.5	28.1	27.7	109.2	109	108.8	0	996.4	249.2	60.6	30.1	14	3.5
20-08-2025	07:00:00	29	28.3	27.8	109.3	107.7	105.6	0	997.7	251.6	66	27.9	12.6	0
20-08-2025	08:00:00	29.2	28.7	28.1	108.3	106.8	105.7	6.6	999.1	252.6	62.6	29	12	0
20-08-2025	09:00:00	29.1	28.6	28	108.6	107.6	106	16.3	998.2	254.9	65.3	32.6	12	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
20-08-2025	10:00:00	29.3	28.8	28.1	108.8	105	99.4	43.5	999.2	267	58.6	25	8.6	0
20-08-2025	11:00:00	29.9	29.5	28.4	108.5	98.3	95.8	136	1000.1	261.3	57.3	26.3	9.3	0
20-08-2025	12:00:00	30.6	30.1	29.5	96.8	94.8	93.3	134.2	1000.1	256.3	54.6	26	10.6	0
20-08-2025	13:00:00	31.2	30.6	30.1	94.3	92.1	89.9	142.7	1000.2	275.2	55.3	19.6	5.3	0
20-08-2025	14:00:00	30.8	30.2	29.4	96.1	93.2	91.3	68.6	999.8	273.5	40.6	16.6	4.6	0
20-08-2025	15:00:00	29.7	29.1	28.2	108.7	101.6	96	11.5	998.7	249.4	65.3	25.1	10.6	0
20-08-2025	16:00:00	29.6	29	28.3	108.8	107.6	101	21.7	999.2	238	68	27.9	12	0.5
20-08-2025	17:00:00	29.6	29.1	28.4	108.9	108	106	22.8	998.9	233.4	69.3	26.8	12	0.5
20-08-2025	18:00:00	30	29.4	28.7	108.7	100.7	97.2	17.4	1001	231.4	66.7	28.4	12.6	0.5
20-08-2025	19:00:00	29.8	29.1	27.7	108.8	100.3	96.2	1.4	999.3	239.4	64.6	25.4	11.3	0
20-08-2025	20:00:00	29.6	28.8	27.7	108.8	105.1	99.2	0	999.6	237.1	58	21.8	8.6	0
20-08-2025	21:00:00	29.9	29.3	28.2	108.7	101.2	97.6	0	1001.4	234.8	58.6	21.7	8	0
20-08-2025	22:00:00	30.2	29.7	29	98.9	97.4	95.6	0	1002.1	229.6	54.6	22.9	8	0
20-08-2025	23:00:00	29.8	29.3	28.8	101.4	99.2	98.3	0	1001.7	229.4	53.3	22.5	8.6	0
21-08-2025	00:00:00	29.6	29	27.7	108.8	102.6	97.7	0	1001.5	231.5	56.6	21.7	7.3	0
21-08-2025	01:00:00	30.1	29.5	28.8	100.5	99	97.5	0	1003.5	228.7	48	19.8	8.6	0
21-08-2025	02:00:00	30.3	29.7	28.6	101.8	97.5	95.2	0	1002.6	227.9	56	21.9	10	0
21-08-2025	03:00:00	29.9	29.4	28.9	101.6	99.1	97.7	0	1001.7	230.8	49.3	20.6	10	0
21-08-2025	04:00:00	29.9	29.5	29.1	99.3	98.3	96.3	0	1001.9	230.7	54.6	20.1	8.6	0
21-08-2025	05:00:00	29.8	29.3	28.3	100.9	98.9	97.3	0	1002	234	52.6	20.7	8	0
21-08-2025	06:00:00	29.3	28.6	27.8	108.8	106.9	98.8	0	1002.9	245.2	56.6	20.6	7.3	0
21-08-2025	07:00:00	29.9	29.2	28.3	108.7	101.4	97	0	1004.6	231	57.3	23.2	10.6	0
21-08-2025	08:00:00	30.7	29.9	29.3	99.2	97	95.1	21.1	1003.4	226.1	52.6	23.2	10	0
21-08-2025	09:00:00	31.6	30.7	30.1	95.4	93.4	90.3	95.1	1004.4	218.6	54.6	29.4	13.3	0
21-08-2025	10:00:00	32.5	31.7	31.2	90.7	89.2	86.7	192.9	1005.7	220.7	58.6	29.1	14	0
21-08-2025	11:00:00	32.7	32.3	31.6	91.2	86.2	85.7	315.5	1006.5	224.3	54	27.8	13.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
21-08-2025	12:00:00	33.3	32.4	31.3	91.8	87.6	83.5	327.7	1006.1	221.6	58	28.3	13.3	0
21-08-2025	13:00:00	33.5	32.9	32.2	88.3	85.9	83.3	365	1005.5	222.3	57.3	27.7	11.3	0
21-08-2025	14:00:00	33.5	31.4	29.3	100.3	91.5	83.1	187.2	1004.5	231	59.3	22.4	7.3	2
21-08-2025	15:00:00	31.4	30.5	29.1	107.2	98.2	93.8	174.9	1003.6	228.1	58.6	24.3	8	1.5
21-08-2025	16:00:00	31.7	30.6	28.7	101.2	96.7	92.7	183.5	1009.4	227.7	52.6	24	10.6	0
21-08-2025	17:00:00	32.1	31.5	31.2	93.5	91.3	89.8	123.1	1003.7	231.1	60.6	24.7	9.3	0
21-08-2025	18:00:00	31.8	31.1	30.6	93.5	91.5	89.3	46.4	1003.2	233.1	56.6	23.5	8.6	0
21-08-2025	19:00:00	31.1	30.6	30.2	95.1	94	91.8	12.6	1003.6	232.5	52	22.2	9.3	0
21-08-2025	20:00:00	30.8	30.4	30.2	94.1	93.3	92.5	0	1004.6	235.1	49.3	22.1	8	0
21-08-2025	21:00:00	30.8	30.3	30	95.2	93.6	92.3	0	1005.5	236.3	52	21.6	8.6	0
21-08-2025	22:00:00	30.4	29.9	29.3	98.3	95.7	94	0	1005.7	239.6	46.6	20.1	7.3	0
21-08-2025	23:00:00	30.2	29.4	28.5	99.6	98.2	96.4	0	1005.9	233.5	50.6	20.3	7.3	0
22-08-2025	00:00:00	30.2	29.7	29.3	98.9	97.9	96.6	0	1006	232.3	54	21.9	10.6	0
22-08-2025	01:00:00	30.2	29.5	28.3	101.4	98.2	95.2	0	1005.8	229.4	52	22.2	9.3	0.5
22-08-2025	02:00:00	29.9	29.4	28.8	99.6	98.9	98	0	1005.2	230.9	58	24.7	9.3	0
22-08-2025	03:00:00	30	29.7	29.3	98.3	97.3	96.2	0	1004	231.7	64	24.1	10.6	0
22-08-2025	04:00:00	30.1	29.8	29.6	97.2	96	94.7	0	1003.6	230.5	66.7	24.3	9.3	0
22-08-2025	05:00:00	30.2	29.8	29.5	95.7	94.3	93.2	0	1003.7	235.4	62	24.4	10.6	0
22-08-2025	06:00:00	30.3	30	29.7	93.8	92.5	91.6	0	1004.1	234.6	58.6	24.3	10.6	0
22-08-2025	07:00:00	30.2	29.6	29.1	96.3	94.9	92.7	0.1	1004.6	234.8	51.3	22.6	9.3	0
22-08-2025	08:00:00	30	28.9	27.7	99.6	97	93.1	12.1	1005.2	236.5	64	23.4	9.3	0
22-08-2025	09:00:00	30.7	29.2	27.8	100.6	97.7	94	61.4	1010.6	228.2	62.6	22.9	10	0
22-08-2025	10:00:00	32.2	31.5	30.3	94.3	88.6	85.1	198.2	1011.9	232.4	58	25.6	11.3	0
22-08-2025	11:00:00	32.9	32.6	31.3	89.2	85.7	84.3	281.6	1007.9	221.7	52.6	26.6	3.3	0
22-08-2025	12:00:00	32.9	32.2	31.6	88.8	86.6	83.8	310.2	1007.4	227.2	66	30.3	12.6	0
22-08-2025	13:00:00	32.7	32.1	31.2	90.5	86.6	84	305.9	1006.6	222	64	32.7	16	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
22-08-2025	14:00:00	33.1	32.4	31.8	87.8	84.8	82.2	293.4	1006.2	225.3	66.7	31.3	12.6	0
22-08-2025	15:00:00	33.1	32.6	32.1	84.7	82.8	81.1	283.5	1005.2	227.8	70.7	31.6	12.6	0
22-08-2025	16:00:00	32.5	31.6	29.6	93.6	86.2	82.5	235.5	1004.3	228.4	67.3	30.1	14	0
22-08-2025	17:00:00	32.5	31.2	28.5	96.3	87.7	83.6	139.1	1003.4	231.2	73.3	31.9	14	0.5
22-08-2025	18:00:00	31.2	28.7	27.3	108.8	99.8	95.3	22.3	1002.4	231.6	79.3	28.6	12	1.5
22-08-2025	19:00:00	30.6	30.2	29.6	96.1	92.5	90.3	2.3	1005.6	229.1	66.7	27.6	10.6	0
22-08-2025	20:00:00	30.6	30.2	30	92.1	91.1	90.3	0	1004.4	229	57.3	25.9	10	0
22-08-2025	21:00:00	30.6	30	29.4	95.1	92.2	90.4	0	1005	231.2	61.3	24.2	10.6	0
22-08-2025	22:00:00	30.6	30.2	29.9	92	90.9	89.6	0	1005.7	232.7	61.3	23.1	8.6	0
22-08-2025	23:00:00	30.4	30.2	29.8	91.8	90.6	88	0	1005.5	236.3	50.6	21.5	10	0
23-08-2025	00:00:00	30.4	30	29.7	93.1	92.3	91	0	1005.2	234.4	52	21.2	9.3	0
23-08-2025	01:00:00	30.3	30	29.7	92.2	91.4	90.6	0	1004.3	234.1	51.3	22	10.6	0
23-08-2025	02:00:00	30.3	30	29.7	92	91	90.2	0	1003.9	235.3	53.3	22.9	10.6	0
23-08-2025	03:00:00	30.2	29.9	29.6	92.7	91.3	90.2	0	1003.3	239	55.3	22.4	6.6	0
23-08-2025	04:00:00	30.2	29.9	29.5	93.5	92.2	91	0	1002.9	242.3	50.6	22.4	8.6	0
23-08-2025	05:00:00	30.1	29.3	28.7	96.9	94.9	91.8	0	1002.4	241.3	57.3	23.9	10	0.5
23-08-2025	06:00:00	29.7	29.2	28.7	96.7	95.8	94.8	0	1003.1	243.2	52	22.5	8.6	0
23-08-2025	07:00:00	30	29.5	29	95.2	93.9	92.8	4.8	1003.3	248.4	49.3	25.3	11.3	0
23-08-2025	08:00:00	30.1	29.7	29	97.4	94.5	93.5	19.3	1003.9	251.4	56	25.5	9.3	0.5
23-08-2025	09:00:00	30.1	29.3	28.5	96.5	94	91.5	24.7	1001.2	242.2	52	30.5	9	0.5
23-08-2025	10:00:00	28.3	27.8	27.2	108.7	107.3	100.5	31.1	1002.3	256.4	68.7	31.7	12.6	5
23-08-2025	11:00:00	29	28	27.1	108.8	107.6	106	44.1	1004.3	236.7	71.3	29.9	12.6	4.5
23-08-2025	12:00:00	29	28	27.1	94.3	92.1	90	118.3	1005	235.1	62	27	10.6	0
23-08-2025	13:00:00	31	30.6	29.5	94.5	90.5	88.2	125.2	1012	231.5	68	29.5	12	0
23-08-2025	14:00:00	31.4	31	30.3	88.9	87.2	86.2	124	1005	227	65.3	31.2	15.3	0
23-08-2025	15:00:00	32.1	31.2	30.4	87.7	85.6	82.8	172.7	1004.6	231.4	74.7	31.8	8	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
23-08-2025	16:00:00	32.2	31.5	30.9	87.8	85.6	82.9	149.2	1003.8	228.2	73.3	31.9	13.3	0
23-08-2025	17:00:00	31.2	30.3	29.4	94	90.1	86.3	44	1002.8	228.4	78	33.1	13.3	0
23-08-2025	18:00:00	30.6	30.3	29.9	91.2	89.4	87.7	14	1003	228.7	66	31.7	13.3	0
23-08-2025	19:00:00	30.6	30.3	30	90.5	89.4	88.3	1.4	1003.6	227.7	66	31.2	14.6	0
23-08-2025	20:00:00	30.6	30.3	30	89.8	88.7	87.8	0	1004.2	228.8	72	30.7	14	0
23-08-2025	21:00:00	30.6	30.2	30	90	89	87.8	0	1004.7	229.4	64.6	27.8	11.3	0
23-08-2025	22:00:00	32.8	30.2	29.9	89.7	88.6	87.1	0	1005.5	230.1	62	27	10.6	0
23-08-2025	23:00:00	30.6	30.2	29.8	90	88.6	87.7	0	1005.5	227.7	64.6	28.6	10	0
24-08-2025	00:00:00	30.5	29.7	28.9	95.3	91.8	88.9	0	1005.1	228.6	62	26	11.3	0
24-08-2025	01:00:00	30	29	27.8	99.4	95.5	92.7	0	1003.9	227.4	66	26.7	10	0.5
24-08-2025	02:00:00	30.2	30.8	31.5	105	99.1	93.2	0	1010.1	228.4	74	32.1	14	1
24-08-2025	03:00:00	29	28.3	26.9	102	99.2	97.2	0	1002.9	228.1	62.6	24.9	10.6	0
24-08-2025	04:00:00	29.7	29.1	28.4	98.5	96.9	95.2	0	1004.3	226.9	74.7	27.9	12.6	0
24-08-2025	05:00:00	29.6	29	28.5	98.4	96.5	94.6	0	1002.9	227.4	70.7	27.3	11.3	0
24-08-2025	06:00:00	29.9	29.4	28.9	97.4	94.6	91.3	0	1003.6	229.3	64.6	27.5	10.6	0
24-08-2025	07:00:00	29.8	29	28.3	96.3	94.4	91.7	0.7	1003.3	229.2	63.3	25.8	9.3	0
24-08-2025	08:00:00	29.9	29.2	28.7	97.2	96.1	95.1	24.9	1004.1	228	60.6	24.3	9.3	0
24-08-2025	09:00:00	29.8	28.8	27.2	108.3	98.1	94.7	14.6	1004.2	256	71.3	25.3	10	7
24-08-2025	10:00:00	28.7	27.9	27.1	108.7	107.5	106	19.5	1004.7	255	64	26	10	8.5
24-08-2025	11:00:00	30.4	29.3	28	108.9	102.6	97	78.4	1010.1	233.4	63.3	28.1	12	0.5
24-08-2025	12:00:00	31.5	30.5	29.2	99.4	94	88.5	143.1	1010.5	230.6	70.7	30.4	13.3	0
24-08-2025	13:00:00	32.2	31.4	30.8	89.3	87.4	82.4	202.4	1006	229.8	74	32.1	14	0
24-08-2025	14:00:00	32.7	32.3	31.7	86.1	83.7	81.4	314.8	1006	228.5	74.7	33.4	14.6	0
24-08-2025	15:00:00	32.7	32.2	31.6	85.3	83.2	82	252.7	1005.4	228.6	72	33.2	15.3	0
24-08-2025	16:00:00	32.7	32.1	31.6	85	82.6	81	214.7	1004.6	224.9	73.3	35.1	15.3	0
24-08-2025	17:00:00	32.8	32	31.3	84.6	83.2	81.2	152.9	1004.5	227.9	68.7	31.8	14.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
24-08-2025	18:00:00	32.1	31.3	30.6	87.2	85.5	83.1	65.4	1004.3	228.4	64.6	30.2	13.3	0
24-08-2025	19:00:00	31	30.6	30.2	88.9	87.7	86.3	4.3	1004.1	228.1	66	28.8	13.3	0
24-08-2025	20:00:00	30.8	30.3	30	90.6	89.5	88.2	0	1004.4	225.4	62	28.3	14.6	0
24-08-2025	21:00:00	30.6	30.1	29.3	92.7	91	88.9	0	1004.6	225.6	63.3	29	10.6	0
24-08-2025	22:00:00	29.6	27.9	26.7	108.7	101.2	92.3	0	1004.4	252.4	63.3	28.5	10	18
24-08-2025	23:00:00	28.2	27.4	26.7	108.3	107.5	106.2	0	1004.7	236	67.3	25.6	11.3	0
25-08-2025	00:00:00	29.1	28.8	28.3	108.5	102.4	100.1	0	1008.2	229.7	62	33.4	20.6	0
25-08-2025	01:00:00	30	29.4	28.5	100.7	97	93.6	0	1007.3	237.6	65.3	26.6	12	0
25-08-2025	02:00:00	30	29.7	29.4	94.8	93.8	92.8	0	1004.4	239.1	58.6	27.4	12.6	0
25-08-2025	03:00:00	29.7	28.1	27.3	108.3	100.6	92.8	0	1003.5	253.1	62	28.3	12	2.5
25-08-2025	04:00:00	28.7	28.1	27.3	108.7	107.4	100.2	0	1004	254.6	52.6	23.3	7.3	0.5
25-08-2025	05:00:00	28.8	28.3	27.4	108.8	107.6	100.4	0	1003.9	243.2	57.3	24.5	10.6	1
25-08-2025	06:00:00	29.3	28.7	28.1	108.8	107.1	100	0	1004.7	240.1	58.6	23.2	10	0
25-08-2025	07:00:00	30.8	28.1	27.4	108.6	107.5	106	0	1002.7	254.1	58	24.8	8.6	7.5
25-08-2025	08:00:00	29	28.3	27.5	108.7	107.5	106.1	1.2	1004.3	248	54.6	24.5	10	0
25-08-2025	09:00:00	30.1	29.4	28.5	108.5	99.5	94.8	50.5	1008.4	250	53.3	25.5	10.6	0
25-08-2025	10:00:00	30.2	29.7	29.1	97.4	95.6	92.3	48.4	1005.3	255.6	53.3	24.2	10.6	0
25-08-2025	11:00:00	29.5	28.7	28	108.6	101.8	97.1	55.2	1005.6	245	45.3	20.4	8.6	1
25-08-2025	12:00:00	30.8	30.1	28.5	102.1	97	92.9	177.7	1008.2	243.8	50	21.8	4	0
25-08-2025	13:00:00	31.4	30.9	30.2	92	90.3	89.1	169.4	1005.6	248.7	50.6	25.4	10.6	0
25-08-2025	14:00:00	31	30.7	30.4	91.8	90.4	89	123.4	1004.4	248.1	50	24	8	0
25-08-2025	15:00:00	31.2	30.8	30.4	92.2	90.6	89.7	137.9	1003.6	245.4	59.3	27.9	11.3	0
25-08-2025	16:00:00	31.4	30.8	30.4	92.4	90.7	88.8	149.1	1003	243.5	54.6	26.5	10	0
25-08-2025	17:00:00	31.3	30.9	30.4	91.2	89.8	88.2	92.8	1002.7	240.8	58.6	24.9	12	0
25-08-2025	18:00:00	30.1	29.7	29.4	97.6	94.5	91.4	14.2	1003.2	253.1	58	24	8	0
25-08-2025	19:00:00	30.4	30.1	29.7	94.4	92.8	91.6	2.4	1003	240.4	48.6	23.2	9.3	0



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Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
25-08-2025	20:00:00	30.2	29.9	29.6	95.1	94.2	93.4	0	1002.9	243.4	50	21.6	8.6	0
25-08-2025	21:00:00	30.1	29.8	29.6	94.5	94	93.6	0	1003.7	242.6	48	20.8	10	0
25-08-2025	22:00:00	30.2	29.9	29.6	94.9	94.2	93.6	0	1004.6	244.5	40.6	18.4	6.6	0
25-08-2025	23:00:00	30.2	29.8	29.5	95.7	94.4	93.6	0	1004.6	248	38.6	17.9	6	0
26-08-2025	00:00:00	30.2	29.8	29.4	95.6	94.7	93.7	0	1004.6	248.9	36	17.2	7.3	0
26-08-2025	01:00:00	30	29.6	29.1	96.7	95.6	94.7	0	1004.2	259.5	36	15.7	5.3	0
26-08-2025	02:00:00	29.9	29.5	29.3	97.8	96	95.4	0	1003.7	260.2	34	17.1	7.3	0
26-08-2025	03:00:00	29.8	29.4	29.2	97.2	96.6	96	0	1003	258.2	31.3	14.6	4	0
26-08-2025	04:00:00	29.7	29.4	29.1	96.7	96.2	95.6	0	1002.7	248.7	34	15.8	6	0
26-08-2025	05:00:00	29.6	29.3	29	97	96.4	94.9	0	1003	244.7	37.3	17.2	6.6	0
26-08-2025	06:00:00	29.8	29.5	29.2	96.9	95.9	95.1	0	1003.6	250	35.3	17.3	6.6	0
26-08-2025	07:00:00	29.8	29	28	101	97.1	94.9	0	1003.9	261.3	34	14.4	4	2
26-08-2025	08:00:00	29.3	28.7	27.9	103.8	100.3	98.6	8.6	1004.4	265.8	30	12.3	4.6	0.5
26-08-2025	09:00:00	30.6	29.5	28.5	99.2	96.4	92.3	79.6	1005.8	265.8	28	13.4	5.3	0
26-08-2025	10:00:00	31	30.2	29.6	95.1	92.9	90.6	145	1006.6	260.8	37.3	15.6	6	0
26-08-2025	11:00:00	31.9	31.3	30.6	91.5	89.8	88.6	182.8	1007.2	255.8	37.3	16.4	5.3	0
26-08-2025	12:00:00	32.4	31.8	30.4	92.3	88.3	86.1	313.3	1007.5	249.1	38.6	18.7	4	0
26-08-2025	13:00:00	32.9	32.2	31.3	87.2	85.2	82.9	353.9	1006.9	256.2	40.6	18.5	7.3	0
26-08-2025	14:00:00	32.9	32.5	32.1	86.2	83.8	81.8	344.6	1006.2	251.3	39.3	18.7	7.3	0
26-08-2025	15:00:00	33.3	32.8	32.2	85.1	82.8	80.6	278.9	1005.4	238.2	46	20	9.3	0
26-08-2025	16:00:00	33.1	32.4	32	88	85.3	83.4	243.5	1004.7	238.9	47.3	21.7	9.3	0
26-08-2025	17:00:00	32.1	31.6	31.1	88.8	87.5	86.5	68	1004.2	237.4	41.3	21.9	10	0
26-08-2025	18:00:00	31.5	31	30.3	92.2	90.1	88	40.5	1003.6	240.5	49.3	21.5	9.3	0
26-08-2025	19:00:00	30.8	30.4	30.1	94.4	92.9	91.4	0.6	1003.8	240.8	44	19	8.6	0
26-08-2025	20:00:00	30.4	30.2	30	95	94.3	93.4	0	1004.3	239.7	42.6	19	8	0
26-08-2025	21:00:00	30.5	30.2	30	95.6	95.1	94.2	0	1004.7	243.9	40	17.4	8	0



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Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
26-08-2025	22:00:00	30.4	30.2	29.9	95.8	95.3	94.8	0	1005	245.1	36	16.8	7.3	0
26-08-2025	23:00:00	30.4	30	29.8	96.3	95.8	95.4	0	1005.5	249.7	31.3	15.1	6.6	0
27-08-2025	00:00:00	30.3	30	29.7	96.6	96	95.5	0	1005.5	252.9	30.6	14.9	6.6	0
27-08-2025	01:00:00	30.2	29.9	29.5	96.4	95.8	95.4	0	1005	256	52	18	7.3	0
27-08-2025	02:00:00	30	29.7	29.3	96	95.5	95.1	0	1004	260.6	37.3	17.9	6	0
27-08-2025	03:00:00	29.8	29.5	29.1	96.9	95.8	95.1	0	1003.2	264	35.3	14	4.6	0
27-08-2025	04:00:00	29.6	29.3	29	96.9	96.5	95.9	0	1003.2	260.8	24.6	11.5	4.6	0
27-08-2025	05:00:00	29.7	29.4	29.1	97	96.2	95.6	0	1002.8	253.2	23.3	11.2	4	0
27-08-2025	06:00:00	29.7	29.3	29	97.2	96.7	96.4	0	1003.2	263.9	20.6	9.1	3.3	0
27-08-2025	07:00:00	29.7	29.3	29.1	97.2	96.8	96.3	0	1003.7	282.5	17.3	7.8	2	0
27-08-2025	08:00:00	29.9	29.5	29.3	96.9	95.6	94.6	11.2	1004.4	294.1	20.6	10	2	0
27-08-2025	09:00:00	30.4	29.9	29.4	95.1	93.7	92	43.5	1005.2	296.7	25.3	10.7	2	0
27-08-2025	10:00:00	31.3	30.4	29.8	92.8	91.4	89.1	109.8	1005.9	293.6	26	12.1	4	0
27-08-2025	11:00:00	31.8	31.4	30.8	89.5	86.9	84.5	194.4	1006.5	294.2	25.3	12.4	4	0
27-08-2025	12:00:00	33.1	32.2	31.4	86.2	83.5	80	330.9	1006.8	281.2	24	11.1	3.3	0
27-08-2025	13:00:00	33.4	32.8	32.2	83.1	81.1	79.1	337.4	1006.1	263.6	26	10.6	3.3	0
27-08-2025	14:00:00	34.4	33.4	32.5	82.6	78.4	74.2	371.4	1005.2	265.2	25.3	11.3	2.6	0
27-08-2025	15:00:00	35	34.5	33.9	77.4	75.4	72.9	325.4	1004.8	236.6	26	10.8	3.3	0
27-08-2025	16:00:00	34.8	34	33.1	80.5	78.2	75.4	231.1	1003.8	215.9	30	15.9	6	0
27-08-2025	17:00:00	34.8	33.6	32.3	84.3	79.1	74.6	134.6	1003.3	222.4	31.3	15.3	6.6	0
27-08-2025	18:00:00	32.6	32	31.4	88.6	86.2	83.5	23.5	1002.7	226.3	30.6	13.7	6	0
27-08-2025	19:00:00	31.9	31.3	30.9	90.8	89.3	87.7	2	1002.8	225.7	36	14.7	6	0
27-08-2025	20:00:00	31.4	30.9	30.6	93.6	92.1	90.4	0	1003.2	228.9	30.6	13.8	6	0
27-08-2025	21:00:00	31	30.7	30.5	93.9	93.3	92.7	0	1003.3	228.7	38	15.4	5.3	0
27-08-2025	22:00:00	31	30.6	30.3	95	94.3	93.4	0	1004.2	230.1	31.3	13.4	4.6	0
27-08-2025	23:00:00	30.8	30.5	30.3	95.6	95.1	94.5	0	1004.6	235.5	28.6	12.4	6	0



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Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
28-08-2025	00:00:00	30.8	30.4	30	95.8	95.3	95	0	1004.3	232.2	30	13.5	6	0
28-08-2025	01:00:00	30.6	30.4	30	97.1	96.3	95.2	0	1003.4	240.7	34	15.3	7.3	0
28-08-2025	02:00:00	30.7	30.4	30.1	97.6	96.9	96.3	0	1002.9	253.4	32	16.7	6.6	0
28-08-2025	03:00:00	30.6	29.6	29	99.2	97.5	96.2	0	1002.3	265.6	32.6	15.1	4	0
28-08-2025	04:00:00	30.1	29.7	29.2	99.2	97.4	96.5	0	1002	268	22.6	9.5	3.3	0
28-08-2025	05:00:00	30.1	29.8	29.4	97.4	96.5	95.8	0	1002.3	260.1	21.3	9.8	3.3	0.5
28-08-2025	06:00:00	29.6	29.3	28.8	99.2	98.4	96.8	0	1002.5	252.2	15.3	7.2	2.6	0
28-08-2025	07:00:00	29.7	29.3	28.9	99.1	98.2	97.5	0	1003.1	281	17.3	8	2.6	0
28-08-2025	08:00:00	30.1	29.6	29.2	98	96.7	95.7	6	1003.5	284.7	19.3	7.4	2	0
28-08-2025	09:00:00	30.1	29.5	28.7	99.4	96.9	95.6	5.8	1003.5	297.8	18.6	7.2	0.6	1
28-08-2025	10:00:00	30.1	29.5	28.5	100.3	98.7	97	95.3	1008.7	294.7	21.3	9.9	4	0
28-08-2025	11:00:00	31.2	30.5	29.7	97.7	93.6	93	88.7	1007.3	293.5	32.6	16.3	5.3	0
28-08-2025	12:00:00	31.2	30.2	29.4	94	92.8	91.4	75	1004.3	303.3	28	13.3	4.6	0
28-08-2025	13:00:00	29.7	29.2	28.8	98.2	96	93.2	21	1003.4	294.7	24.6	10.1	2.6	0
28-08-2025	14:00:00	30.1	29.6	29	99.1	98	97.2	79.5	1003	299.4	22.6	9.9	3.3	0
28-08-2025	15:00:00	30.2	29.7	29.3	98.3	96.7	95.4	70.7	1002.2	298.3	21.3	9.4	2	0
28-08-2025	16:00:00	30.3	29.8	29.3	96.4	94.9	93.7	29.7	1001.6	270.9	15.3	5.6	1.3	0
28-08-2025	17:00:00	30.3	29.9	29.6	97.2	95.5	94	1.7	1000.8	214.1	12.6	5.7	1.3	0
28-08-2025	18:00:00	29.9	29.5	29	101.4	98.9	96.8	0	1001.1	187.1	17.3	6.4	2	1
28-08-2025	19:00:00	29.8	29.3	28.5	108.8	106.2	100	0	1001.3	173.7	30	16.9	4	2.5
28-08-2025	20:00:00	29.6	29.2	28.7	108.6	107.4	106.1	0	1002	191.4	24.6	13.1	6	0.5
28-08-2025	21:00:00	29.8	29.4	28.8	108.5	107.8	107.1	0	1003.2	191.9	20.6	12.2	6	0
28-08-2025	22:00:00	30	29.6	29.1	108.5	107.9	107	0	1004	200.7	22	10.3	3.3	0
28-08-2025	23:00:00	30.2	29.7	29.1	108.5	107.8	106.4	0	1004.3	211.6	25.3	11	2.6	0
29-08-2025	00:00:00	30.2	29.8	29.2	108.3	107.3	106.3	0	1003.6	225.1	28.6	12.8	5.3	0
29-08-2025	01:00:00	30.4	29.9	29.4	108.7	107.4	106.1	0	1003.2	237.9	30	13.2	6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
29-08-2025	02:00:00	30.4	30	29.4	108.6	107.3	106.1	0	1001.8	239.2	33.3	14.8	6	0
29-08-2025	03:00:00	30.2	29.8	29.3	108.7	107.6	106	0	1001.1	246.1	34	15.8	6.6	0
29-08-2025	04:00:00	30.3	29.4	28.7	108.9	107.7	106.2	0	1000.5	255	41.3	19.7	8.6	0.5
29-08-2025	05:00:00	29.7	29.3	28.8	108.6	107.5	106	0	1001	257.9	38	18.3	7.3	0
29-08-2025	06:00:00	29.6	28.9	28.1	108.7	107.4	106.1	0	1001.5	270.9	42	15.6	5.3	0
29-08-2025	07:00:00	29.3	28.8	28	108.9	104.4	99.4	0.2	1002.2	270.2	29.3	12.6	4	0
29-08-2025	08:00:00	29.4	29	28.5	100	99.1	98.5	5.4	1002.8	256.1	35.3	16.7	6.6	0
29-08-2025	09:00:00	29.2	28.7	27.3	108.5	100.5	98.6	0	1003.5	272	30.6	12.5	5.3	0
29-08-2025	10:00:00	28.1	27.5	26.8	108.7	107.6	105.8	1.2	1003.8	291.2	29.3	12.1	4.6	0
29-08-2025	11:00:00	28.7	28.3	26.9	108.2	107.7	106.1	6.2	1007.3	282.9	28.6	10.5	3.3	0
29-08-2025	12:00:00	28.8	28.3	27.6	108.4	107.6	106.5	45.6	1006.4	289.8	19.3	7.8	2.6	0.5
29-08-2025	13:00:00	29.5	28.9	28.1	108.8	107.7	106	82.1	1008.3	299.6	15.3	3.2	0	0.5
29-08-2025	14:00:00	29.7	29.1	28.4	108.9	107.8	106	42	1005.7	232.7	10.6	2.9	0	1
29-08-2025	15:00:00	30.2	29.6	28.7	108.9	102.9	98.9	117.5	1009.1	241.5	9.3	2.1	0	0.5
29-08-2025	16:00:00	30.6	30.1	29.4	107.6	99.1	96.9	81.3	1007.1	201.2	12.6	2.7	0	0
29-08-2025	17:00:00	30.7	30.3	29.9	98	96.5	95.4	72.1	1002.4	169.6	19.3	5.2	0	0
29-08-2025	18:00:00	30.8	30.3	29.8	97.2	96	95.2	58.7	1001.8	189.1	21.3	11.8	4.6	0
29-08-2025	19:00:00	30.4	29.8	29.2	96.8	96.2	95.6	9.5	1002.4	196.5	19.3	11.1	4	0
29-08-2025	20:00:00	30	29.5	29.1	96.8	96.2	95.7	0	1002.8	208.1	17.3	9	2.6	0
29-08-2025	21:00:00	30	29.7	29.4	96.4	95.9	95.4	0	1003.5	211.4	27.3	12.6	5.3	0
29-08-2025	22:00:00	30.1	29.8	29.5	97.4	96.7	95.8	0	1004	206.5	25.3	13.1	5.3	0
29-08-2025	23:00:00	30.2	29.8	29.5	97.8	97.3	96.9	0	1004.1	206.6	30	14.3	6	0
30-08-2025	00:00:00	30.2	29.8	29.5	98.2	97.5	96.9	0	1004.4	219.4	27.3	13.6	5.3	0
30-08-2025	01:00:00	30.2	29.6	29	99.9	98.8	97.3	0	1004	217.6	28	14.6	7.3	0
30-08-2025	02:00:00	30	29.7	29.1	99.8	99.3	98.8	0	1003.9	211.5	31.3	16.7	8.6	0
30-08-2025	03:00:00	30.1	29.6	29.4	99.4	98.7	98.2	0	1003.5	217.9	32	14.1	6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
30-08-2025	04:00:00	30.1	29.8	29.4	99.3	98.8	98.2	0	1002.8	214.5	30.6	16.2	7.3	0
30-08-2025	05:00:00	30	29.5	29	100	99.2	98.2	0	1002.7	231.9	30.6	10.8	4	0
30-08-2025	06:00:00	30	29.7	29.3	99.8	99.3	98.9	0	1003.5	231.8	24	9.6	4	0
30-08-2025	07:00:00	30.2	29.8	29.3	100	99.4	98.8	0	1004.2	246.5	16.6	7.5	3.3	0
30-08-2025	08:00:00	30.2	29	27.8	108.8	102.6	98.2	0.3	1004	306.9	22.6	7.7	2	2
30-08-2025	09:00:00	28.9	28.4	27.8	108.5	107.4	106.1	17.5	1004.2	309.7	26.6	8.9	3.3	0.5
30-08-2025	10:00:00	29.3	28.7	27.9	108.6	107.4	106.1	31.6	1007.3	297.7	15.3	4.9	0	0
30-08-2025	11:00:00	29.4	28.8	28.3	108.6	107.6	106.1	14.8	1006.6	284.2	6.6	1.5	0	0
30-08-2025	12:00:00	29.4	28.8	28.1	108.8	107.6	105.9	73.8	1006.7	248.7	14	3.9	0	2.5
30-08-2025	13:00:00	30.2	29.4	28.4	108.9	103.1	98.5	116.8	1009.7	255.3	14	4.8	0	0.5
30-08-2025	14:00:00	31.6	30.2	29.4	100.5	98.2	95.6	140.1	1011.6	239.3	20.6	7.2	1.3	0
30-08-2025	15:00:00	31.6	30.3	29.4	97.6	95.9	94.2	98.2	1006.4	226.9	36	11.4	2	0
30-08-2025	16:00:00	30.8	30.4	30	95.9	93.4	92	108.7	1004.5	242.9	25.3	12.3	5.3	0
30-08-2025	17:00:00	31	30.7	30.3	92.9	91.5	90.2	81.3	1004.4	230.5	24	11.5	4.6	0
30-08-2025	18:00:00	30.8	30.4	30	96.2	94.6	92.4	39	1004.3	215.4	20.6	11.4	4.6	0
30-08-2025	19:00:00	30.4	30	29.6	98.3	96.7	95.2	4.7	1004.7	213.4	24.6	12.1	4	0
30-08-2025	20:00:00	30	29.7	29.3	99.8	99	98	0	1005	194.7	22	12.2	4.6	0
30-08-2025	21:00:00	30	29.4	29	99.3	98.6	98	0	1005.2	198.4	21.3	9.5	4	0
30-08-2025	22:00:00	30.1	29.8	29.5	100.1	99.1	98.3	0	1005.8	191.9	29.3	15.2	7.3	0
30-08-2025	23:00:00	30	29.7	29.3	100.5	98.4	95.8	0	1005.2	231.5	28	14.3	7.3	0
31-08-2025	00:00:00	30.1	29.6	29.1	99.7	99.5	99.4	0	1005.2	242.5	32	13.8	4.6	0
31-08-2025	01:00:00	30.1	29.8	28.7	109.1	100.4	99.2	0	1006.2	222.1	33.3	13.8	4	0
31-08-2025	02:00:00	30.2	29.8	29.3	100.1	99.3	98.7	0	1005.5	228.7	31.3	12.4	5.3	0
31-08-2025	03:00:00	30.1	29.7	29.3	99.6	99	98.4	0	1004.9	242.7	28.6	11.2	4.6	0
31-08-2025	04:00:00	30	29.5	29	99.4	98.9	97.8	0	1004.3	242.4	35.3	13.7	6	0
31-08-2025	05:00:00	30	29.6	29.2	99.4	98.3	97.4	0	1004.4	240.4	29.3	13.4	4.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
31-08-2025	06:00:00	29.9	29.5	29.2	98.7	97.9	97.4	0	1004.5	238.9	25.3	9.8	4	0
31-08-2025	07:00:00	30	29.6	29.2	99	98.4	97.8	0.5	1005.2	236.3	24	10.2	4	0
31-08-2025	08:00:00	30	29.7	29.4	99.1	98.3	97.1	12.7	1005.9	228.8	28.6	13.1	5.3	0
31-08-2025	09:00:00	30.9	30.2	29.5	97.8	95.6	93	59.3	1006.7	227.7	28	12	4.6	0
31-08-2025	10:00:00	31.4	30.9	30.2	95	92.8	91.8	185.4	1008.1	238	24	11.1	5.3	0
31-08-2025	11:00:00	32.5	31.7	31.2	92	88.9	86.2	185.7	1008	223.5	38.6	14.3	4.6	0
31-08-2025	12:00:00	31.4	31.4	31.4	90.7	90.7	90.7	146.3	1007.4	207	0	2.6	2.6	0
31-08-2025	13:00:00	32.3	30.8	30.1	95.8	93.6	88.7	112.6	1006.6	242.5	32	12.6	4.6	0
31-08-2025	14:00:00	33.5	32.6	31	93.2	87.6	83.8	240	1006.7	229.4	32.6	14	4.6	0
31-08-2025	15:00:00	33.1	32.5	32	87.5	85.5	83.9	163.4	1005.8	231.1	32	13.8	4.6	0
31-08-2025	16:00:00	33.1	32.5	32	87.4	85.5	83.4	171.1	1004.9	224.8	36	17.1	6.6	0
31-08-2025	17:00:00	32.8	32	31.5	89.1	86.8	84.2	123.2	1004.3	236.2	38	16.6	8	0
31-08-2025	18:00:00	32.3	31.4	30.8	92	89.5	86.6	47.1	1003.8	232.3	40	16.5	7.3	0
31-08-2025	19:00:00	31.2	30.6	30.1	95.4	93.4	91.3	4.7	1003.3	231.6	39.3	16.3	7.3	0
31-08-2025	20:00:00	30.4	30.1	29.7	96	95.3	94.2	0	1003.6	233.5	39.3	16.7	6	0
31-08-2025	21:00:00	30.5	30.1	29.8	95.9	95.1	94.4	0	1004.3	233.8	43.3	16.3	7.3	0
31-08-2025	22:00:00	30.4	30.1	29.8	95.8	94.9	94.2	0	1004.5	238.4	40.6	17.5	8	0
31-08-2025	23:00:00	30.3	29.9	29.5	94.6	92.7	90.6	0	1004.8	246.3	38	18.4	7.3	0
01-09-2025	00:00:00	30.6	30.1	29.8	93.4	92.5	90.7	0	1004.6	241.1	33.3	14.3	6	0
01-09-2025	01:00:00	30.4	30	29.6	94.5	93.6	92.4	0	1004.1	240.7	33.3	14.5	6	0
01-09-2025	02:00:00	30.4	29.7	28.7	98.5	94.7	92.6	0	1003.3	236.5	40.6	16.2	6	0
01-09-2025	03:00:00	29.8	29.4	28.8	100.2	98.2	97	0	1002.6	239.4	38	15.2	7.3	0.5
01-09-2025	04:00:00	29.7	29.3	28.9	99.4	98.5	96.9	0	1002.3	236.6	44.6	16.7	6.6	0.5
01-09-2025	05:00:00	29	28.2	26.7	108.8	107.5	102.9	0	1002.1	256.5	36.6	16.8	4.6	1
01-09-2025	06:00:00	29.5	28.8	27.5	108.7	102	96.8	0	1002	248.5	64.6	19	8	1
01-09-2025	07:00:00	29.7	28.9	28.2	100.1	97.8	95.2	0.5	1002.5	257.6	40	17.8	7.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
01-09-2025	08:00:00	30.3	29.7	29.2	95.6	94	92.3	18.1	1003.1	252.8	34.6	15.8	6.6	0
01-09-2025	09:00:00	31.3	30.4	29.4	95.8	93.6	91.4	91.1	1004.1	246.1	33.3	14.3	4.6	0
01-09-2025	10:00:00	30.2	29.5	28.2	98.7	96.8	95	96.9	1004.4	270.3	34	13.2	4.6	0
01-09-2025	11:00:00	31.4	30.2	29.4	95.4	94	91.2	115.5	1004.7	235.4	43.3	15.1	2.6	0
01-09-2025	12:00:00	34.7	31.6	30.8	92.6	89.8	87.9	240.9	1004.8	236.3	45.3	19.3	9.3	0
01-09-2025	13:00:00	33.1	32.4	31.8	90.5	86.1	82.9	309.6	1004.6	232.6	43.3	18.7	6.6	0
01-09-2025	14:00:00	32.7	32	31.4	89	86.2	83.3	247.5	1003.6	235.7	46.6	19.7	6	0
01-09-2025	15:00:00	32.5	31.2	30.3	93.6	89.2	85.1	95.9	1002.6	237.8	47.3	20.8	9.3	0
01-09-2025	16:00:00	31.6	30.9	30	94.4	91.2	88.6	91.6	1001.9	239.1	39.3	17.6	7.3	0
01-09-2025	17:00:00	31.5	30.7	29	97.4	91.4	88.9	39.3	1001.3	249.4	41.3	17.8	6	1
01-09-2025	18:00:00	29.4	28.9	27.9	108.8	107.9	104	0.1	1000.6	250.3	49.3	18.2	4.6	2
01-09-2025	19:00:00	29.3	29	28.2	108.7	107.9	106.1	0	1001.3	248.3	45.3	22.3	10	0
01-09-2025	20:00:00	30	29.3	28.5	108.7	104	98.9	0	1002.4	245.1	48.6	21.6	9.3	0
01-09-2025	21:00:00	29.9	29.5	29.1	100	97.9	97.1	0	1002.5	247.1	47.3	23.3	6.6	0
01-09-2025	22:00:00	30.1	29.6	29.2	97.9	96.8	95.4	0	1002.9	247.3	47.3	22.2	9.3	0
01-09-2025	23:00:00	30.3	30	29.7	95.9	95.2	94.5	0	1003.5	248.4	45.3	21.2	7.3	0
02-09-2025	00:00:00	30.8	30	29.8	95.8	95.1	94.2	0	1003.3	247.4	43.3	21.5	10	0
02-09-2025	01:00:00	30.3	29.8	29	97.7	95.5	93.8	0	1003.1	247.6	54	20.5	8.6	0
02-09-2025	02:00:00	30.3	29.6	29.2	98.1	96.8	96	0	1002.6	253.3	44.6	21	5.3	0
02-09-2025	03:00:00	30	29.7	29.3	98	97	96.2	0	1002.4	255.8	42.6	18.6	7.3	0
02-09-2025	04:00:00	30.2	29.8	29.5	96.8	96	95.4	0	1002.1	258.4	37.3	17	5.3	0
02-09-2025	05:00:00	30	29.6	29.2	96.5	95.7	94.5	0	1001.9	264.8	38.6	17.5	4.6	0.5
02-09-2025	06:00:00	32.1	29.7	29.4	96.1	94.7	93.7	0	1002.2	261.5	36.6	17.4	8	0
02-09-2025	07:00:00	30	29.7	29.4	95.6	95	94.5	0	1002.5	262.2	35.3	16	6.6	0
02-09-2025	08:00:00	30.4	30	29.6	94.9	94.1	92.8	21.5	1003.4	261.2	39.3	16.9	8	0
02-09-2025	09:00:00	31.5	30.7	30	93.3	92.1	89.6	89.1	1004.5	265.2	33.3	13.9	4	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
02-09-2025	10:00:00	32.3	31.7	31	90.2	88.4	86.8	179.5	1005.7	258.4	26.6	11.8	3.3	0
02-09-2025	11:00:00	32.9	32.5	31.4	88.3	85	83.1	291.8	1006.6	246.9	32.6	15	0	0
02-09-2025	12:00:00	32.9	32.1	31.4	89.5	86.4	83.5	192.5	1005.7	255	32	14.5	4.6	0
02-09-2025	13:00:00	33.3	32.7	32	87.8	85	82.1	325.8	1005.3	245.7	33.3	14.7	5.3	0
02-09-2025	14:00:00	34.1	33.5	32.8	84.3	82.2	80	377.3	1004.6	234	34.6	16.2	6	0
02-09-2025	15:00:00	34.1	33.5	32.9	84.6	82.1	79.4	266.8	1003.9	231.6	32.6	16.2	7.3	0
02-09-2025	16:00:00	33.9	33.3	32.7	85.9	83.7	81.7	185.6	1003	224.2	36	16.7	6	0
02-09-2025	17:00:00	33.3	32.4	31.8	88.5	86.9	84.2	105.1	1002.3	224.5	45.3	19.9	8	0
02-09-2025	18:00:00	32.7	32	31	88.7	85.9	82.8	60.6	1002.1	226	42	20	8.6	0
02-09-2025	19:00:00	31.4	31	30.5	91	89.5	87.9	3.8	1002.2	224.6	46.6	20.1	7.3	0
02-09-2025	20:00:00	31	30.6	30.3	92.2	91.1	89.8	0	1002.7	226	46	20.6	8.6	0
02-09-2025	21:00:00	30.8	30.5	30.2	93.2	92.5	91.6	0	1003.5	227.8	44.6	20.6	8	0
02-09-2025	22:00:00	30.8	30.4	30.2	94	93.5	92.7	0	1004.2	225.2	42	19.9	8	0
02-09-2025	23:00:00	30.6	30.3	30	94.2	93.8	93.3	0	1004.8	227	42	20.4	8	0
03-09-2025	00:00:00	30.4	30.2	29.9	94.6	94	93.4	0	1004.6	236.2	44.6	16.3	8	0
03-09-2025	01:00:00	30.4	30	29.7	94.8	93.4	91.4	0	1004	244.5	38.6	17.9	6.6	0
03-09-2025	02:00:00	30.2	29.9	29.3	93.5	91.8	90.9	0	1003.6	247.1	33.3	16.9	4	0
03-09-2025	03:00:00	30.2	29.9	29.6	92.6	91.7	90.8	0	1003.2	257.2	34.6	16.9	6.6	0
03-09-2025	04:00:00	30.1	29.7	29.4	94	93	91.2	0	1002.8	274.1	30	13.4	6	0
03-09-2025	05:00:00	29.9	29.6	29.4	94.5	93.9	93.4	0	1002.6	283.3	26.6	11.6	4.6	0
03-09-2025	06:00:00	29.8	29.5	29.2	94.4	93.5	92.5	0	1003	284.4	29.3	11.9	4	0
03-09-2025	07:00:00	29.8	29.5	29.2	93	92.2	91.6	0	1003.5	290.3	31.3	11.8	4	0
03-09-2025	08:00:00	30	29.5	29.2	92	91.2	89.8	19.6	1004.4	294.6	29.3	12.6	4.6	0
03-09-2025	09:00:00	31.4	30.5	29.6	90.3	87.1	84.6	134.5	1005.6	297.9	32	14.9	5.3	0
03-09-2025	10:00:00	31.8	31.3	30.8	86	84.4	82.7	221.5	1006.7	297.3	33.3	15.4	5.3	0
03-09-2025	11:00:00	32.8	32.2	31.4	84.7	81	78.6	313.7	1007.5	301.1	26.6	11.7	2.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
03-09-2025	12:00:00	32.8	32.4	31.8	82.1	79.4	77.6	306	1007	297.1	28.6	13.1	3.3	0
03-09-2025	13:00:00	33.7	32.9	31.9	81.5	77.2	73.4	374.7	1006.3	294.5	28	12	2.6	0
03-09-2025	14:00:00	34.4	33.9	33.1	77.1	72.3	69.4	314.7	1005.8	273.8	26	10.1	2.6	0
03-09-2025	15:00:00	33.4	32.5	31.6	94	88.3	84	199.3	1000.8	226.9	28.6	11.2	4	0
03-09-2025	16:00:00	32.7	32.4	31.8	91.1	89.9	89.1	152.9	1000.4	217.1	32.6	17.1	5.3	0
03-09-2025	17:00:00	33.2	32.5	31.4	93.1	89.9	85.6	138.2	999.8	217.5	37.3	19.6	8	0
03-09-2025	18:00:00	32.7	32.3	31.9	90.2	89.2	87.8	65.8	999.5	218.9	40	18.2	6.6	0
03-09-2025	19:00:00	32.1	31.4	30.8	92.7	90.5	88.5	30.5	1003.6	216.9	42	17.9	7.3	0
03-09-2025	20:00:00	31.4	31.1	30.8	93.4	92.2	89.2	0.4	1005.3	213.4	44	20.3	8.6	0
03-09-2025	21:00:00	31.4	30.9	30.4	94.2	93.1	91.8	0	1001	216.5	38	18.6	7.3	0
03-09-2025	22:00:00	31.1	30.8	30.4	94.3	93.1	91.8	0	1001.3	216.1	38	19	8.6	0
03-09-2025	23:00:00	31.2	30.7	30.4	96.1	94.9	93.8	0	1001.5	216.3	36.6	17.5	8	0
04-09-2025	00:00:00	28.3	27.8	27.3	106.1	106	106	0	1005	188.4	25.3	12.7	4	0.5
04-09-2025	01:00:00	27.9	27.3	26.8	108.4	107.2	106	0	1001.6	207.2	25.3	8.6	2	1
04-09-2025	02:00:00	27.3	26.8	26.3	108.6	107.6	106.7	0	1001.3	202.6	23.3	10	3.3	0.5
04-09-2025	03:00:00	26.5	26.2	25.6	108.6	108.1	106	0	999.3	209.5	25.3	11.6	4	0.5
04-09-2025	04:00:00	27.7	27	25.9	108.5	107.3	105.8	0	1000.8	306.6	37.3	15.2	6	3.5
04-09-2025	05:00:00	27.7	27.3	26.8	108.2	107.5	106.7	0	1001.6	328.7	32.6	14.4	4.6	2.5
04-09-2025	06:00:00	27.9	27.5	26.9	108.1	107.4	106.5	0	1002.6	295	20.6	8.8	0.6	0.5
04-09-2025	07:00:00	27.8	27.3	26.8	108.1	107.4	106.5	0	1003	269.4	14.6	5.9	0	0
04-09-2025	08:00:00	28.8	28.1	27.3	108.8	107.6	106	6	1005.4	269.2	16.6	6.5	0.6	0
04-09-2025	09:00:00	29.3	28.8	27.9	108.7	102.7	98.2	20.8	1006.5	271.9	25.3	9.8	2.6	0
04-09-2025	10:00:00	30	29.5	28.9	98.7	94.5	91.7	77.2	1010.1	288.8	32	13.4	4	0
04-09-2025	11:00:00	30.6	30.2	29.6	92.3	90.9	89.1	116.4	1005.9	284.3	36	14.6	4.6	0
04-09-2025	12:00:00	30.7	30.4	30.2	90.3	89.6	88.5	105	1005	286.2	33.3	14.7	2	0
04-09-2025	13:00:00	31.4	31	30.4	90	87.7	86.1	161.2	1004.8	281.6	31.3	13	4	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
04-09-2025	14:00:00	31.9	31.1	30.4	88.8	87.2	84.9	142.5	1003.8	269.1	36	14.1	4.6	0
04-09-2025	15:00:00	31.9	30.9	30.4	91.8	89.2	85.1	67.1	1003	252.6	34.6	16.9	6	0
04-09-2025	16:00:00	30.6	30.2	29.4	95.8	92.8	91.3	11.1	1002.4	252.2	35.3	15.9	7.3	0.5
04-09-2025	17:00:00	28.5	28.1	27.7	108.7	106.8	101.6	0	1001.8	293.5	25.3	14.3	2	0
04-09-2025	18:00:00	28.9	28.1	27.4	108.5	103.3	98.1	0	1005.3	253.1	32	13.4	4	0
04-09-2025	19:00:00	29	28.6	27.7	108.7	101.8	99.8	0	1002.7	255.4	32.6	16.7	7.3	0.5
04-09-2025	20:00:00	29.1	28.7	28.3	100.8	99.8	98.8	0	1002.7	248.6	40.6	19	7.3	0
04-09-2025	21:00:00	30	29.2	28.5	102.2	99.9	98.9	0	1004.4	241.8	34	14.2	6.6	0
04-09-2025	22:00:00	29.9	29.3	28.7	108.8	105.1	98.9	0	1003.7	244.1	47.3	20.8	8	0.5
04-09-2025	23:00:00	29.6	29.1	28.7	100.2	98	95.8	0	1003.4	254.6	56.6	27.8	13.3	0
05-09-2025	00:00:00	29.3	28.6	28.1	100	98.4	96.3	0	1003	247.4	51.3	24.3	12	0
05-09-2025	01:00:00	29.8	29.1	28.2	99.2	97.6	95	0	1002.7	252.8	48	24.4	10	0
05-09-2025	02:00:00	29.7	29.4	29	95.3	94.5	94	0	1002.1	262.2	41.3	15.6	4	0
05-09-2025	03:00:00	29.5	29	28.7	95.4	94.5	93.8	0	1001.6	281.9	16.6	7.2	2.6	0
05-09-2025	04:00:00	29.3	28.8	28.5	95.4	94.8	94.1	0	1001.7	281.7	19.3	7.8	2	0
05-09-2025	05:00:00	29	28.3	27	98.7	94.8	93.2	0	1001.9	303.6	20	8.2	2.6	1.5
05-09-2025	06:00:00	27.6	26.9	26.2	108.7	103.3	98.3	0	1001.5	294	15.3	5.9	0.6	1.5
05-09-2025	07:00:00	27.3	26.7	26	108.7	108	106	0	1002.4	299.4	12	4.1	0.6	0
05-09-2025	08:00:00	26.9	26.4	25.7	108.7	107.5	105.8	0	1002.1	251.4	10.6	2.9	0	1.5
05-09-2025	09:00:00	27.6	26.8	25.7	108.7	105.7	99.6	7.1	1004.9	266.9	26.6	11.9	4	0
05-09-2025	10:00:00	28.2	27.7	27	101.8	99.4	98.2	14.2	1005.8	264.8	32.6	14.2	4	0
05-09-2025	11:00:00	28.5	27.9	27.1	106.3	99.4	97	35	1006.7	259.9	35.3	16.6	5.3	0
05-09-2025	12:00:00	29.7	28.7	28.2	97.5	96	93.2	55.5	1006.9	261.8	34.6	15.9	5.3	0
05-09-2025	13:00:00	31	30.3	29.4	93.6	90	87.7	169.9	1005.4	257	37.3	17.4	6	0
05-09-2025	14:00:00	30.6	30.2	29.9	91.4	90.2	88.9	98.5	1004.5	246.3	35.3	16.3	7.3	0
05-09-2025	15:00:00	30.8	30.4	30	92	90.4	89.4	110.7	1003.8	239.6	35.3	16	7.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
05-09-2025	16:00:00	30.6	30.3	30	92.9	92	91	59.8	1003	235.1	30.6	13.2	5.3	0
05-09-2025	17:00:00	30.6	30.1	29.5	96.3	93.8	92.2	26.2	1002.5	236.2	32.6	12.4	6	0
05-09-2025	18:00:00	29.9	29.5	29.1	97.7	97	95.8	9.6	1002.1	239.7	36.6	14.6	6	0
05-09-2025	19:00:00	30.1	29.8	29.4	97.1	96.3	95.8	0.1	1002.9	236.8	40	15.3	6.6	0
05-09-2025	20:00:00	30	29.6	28.7	103.5	98.4	96.7	0	1003.1	234.3	40	16.8	6.6	1.5
05-09-2025	21:00:00	29.6	29.2	28.5	108.9	106.4	101.1	0	1003.5	237.1	44	19.2	7.3	0
05-09-2025	22:00:00	29.7	29.3	28.5	108.9	107.9	105.8	0	1004.4	231.5	42.6	17.2	8	0
05-09-2025	23:00:00	30	29.5	28.9	108.9	104.7	99.6	0	1005.2	236	44.6	15.7	7.3	0
06-09-2025	00:00:00	30	29.5	28.7	107.6	100.8	98.9	0	1004.8	233.5	32	13.4	5.3	0.5
06-09-2025	01:00:00	29.6	29.2	28.5	108.2	104.5	100.7	0	1004.3	239.3	29.3	12.7	6	0
06-09-2025	02:00:00	29.7	29.1	28.3	108.8	103.7	100.1	0	1003.9	250.4	41.3	17.4	8	1.5
06-09-2025	03:00:00	29.2	28.7	28.1	108.9	107.6	106.1	0	1003.3	258.1	32.6	15.3	4.6	2.5
06-09-2025	04:00:00	29.1	28.4	27.7	108.5	107.7	106.7	0	1002.8	264.8	30	13.1	4	1
06-09-2025	05:00:00	29	28.4	27.8	108.4	107.6	106.8	0	1002.5	244.6	24.6	11.5	3.3	0
06-09-2025	06:00:00	29.2	28.8	28.3	108.5	107.8	106.8	0	1003.1	247.9	23.3	11.3	2.6	0
06-09-2025	07:00:00	29.7	29.2	28.5	108.9	107.3	101.2	0	1003.9	259.1	23.3	9.8	3.3	0
06-09-2025	08:00:00	30.1	29.6	29	102	98.6	96.5	14.3	1004.6	259.2	22	10.5	3.3	0
06-09-2025	09:00:00	30.6	30.1	29.7	97.2	95.4	93.3	40.1	1005.3	246.9	24	11.6	4.6	0
06-09-2025	10:00:00	32	31.2	30.1	93.8	91.2	88.3	126.6	1006.2	234.5	28	11.5	4.6	0
06-09-2025	11:00:00	32.9	32.1	31.4	89.6	86.9	84.3	219	1006.9	227.1	32	15.2	6.6	0
06-09-2025	12:00:00	33.1	32.6	32.3	88	86.2	84.9	277.9	1007.2	229.3	40.6	17.8	6	0
06-09-2025	13:00:00	32.8	31.9	31.4	90.2	88.2	85.3	127.9	1006.3	235.2	35.3	15.6	6	0
06-09-2025	14:00:00	32.6	31.8	31.2	90.8	89.6	88	148.8	1005.4	236.2	38.6	16.2	6	0
06-09-2025	15:00:00	32.4	31.8	31.3	92.6	90.5	88.7	131.2	1004.5	237.9	38.6	16.3	4.6	0
06-09-2025	16:00:00	31.9	30.3	29.3	94.9	93	91.1	39.7	1003.4	275.4	37.3	14.5	5.3	0
06-09-2025	17:00:00	30.6	30.2	29.6	95	94.3	93.4	22.2	1002.9	265.5	30	7.2	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
06-09-2025	18:00:00	30.4	29.8	29.2	98.2	96.5	93.8	7	1002.9	232.5	40	15.4	4	0
06-09-2025	19:00:00	30.4	30.1	29.5	98	97	96	0	1003.3	234.4	43.3	16.8	6.6	0
06-09-2025	20:00:00	30.1	29.8	29.5	97.2	96.1	94.5	0	1003.9	252.8	44	19.9	9.3	0
06-09-2025	21:00:00	30.2	29.9	29.2	95.6	94.7	94	0	1004.6	255.3	37.3	18.2	7.3	0
06-09-2025	22:00:00	30.1	29.7	29.4	96.6	95.5	94.9	0	1004.9	241.7	39.3	16.7	6.6	0
06-09-2025	23:00:00	29.9	29.6	29.3	97.2	96.4	95.8	0	1005.1	234.4	41.3	17.7	8.6	0
07-09-2025	00:00:00	29.9	29.4	28.5	100.1	97.8	96.5	0	1005.1	233	45.3	18.7	7.3	0
07-09-2025	01:00:00	29.3	28.9	28.5	101.6	99.7	98.9	0	1004.5	239.9	55.3	20.8	10	0
07-09-2025	02:00:00	29.4	29	28.5	101.7	99.9	98.9	0	1003.9	241.4	49.3	21.8	10	0.5
07-09-2025	03:00:00	29.6	29.2	28.8	100.1	99.1	98.2	0	1003.4	237.6	52.6	20.7	10	0
07-09-2025	04:00:00	29.6	29.3	29	99.5	98.6	97.4	0	1003.2	244	54.6	23.4	8.6	0
07-09-2025	05:00:00	29.6	28.9	27.8	108.5	98.7	95.6	0	1002.9	253.7	59.3	22	8	1
07-09-2025	06:00:00	29.8	29.2	28.4	99.8	98.2	97.2	0	1003.1	250.9	50	25	10	0
07-09-2025	07:00:00	29.8	29.3	28.9	99.2	98.2	97.4	0	1003.4	252.1	51.3	22.5	8.6	0
07-09-2025	08:00:00	29.9	29.5	29.1	98.7	96.9	94.4	10.9	1004.5	242.4	51.3	21.7	8.6	0
07-09-2025	09:00:00	30.4	30	29.4	94.8	92.9	91.8	24.9	1005.7	241.8	48	18.6	8.6	0
07-09-2025	10:00:00	30.8	30.3	29.8	93.1	92	90.3	58.2	1006.3	239.3	52	21	8	0
07-09-2025	11:00:00	30.9	30.6	30.2	91.3	90.4	89.3	69.5	1006.4	242	51.3	22.2	7.3	0
07-09-2025	12:00:00	31.1	30.6	30.3	92.4	91.4	90	78.7	1006.4	236.8	52	21.3	9.3	0
07-09-2025	13:00:00	31.4	31	30.4	91.8	88.4	84.5	151.1	1006	241.2	54.6	25.1	10.6	0
07-09-2025	14:00:00	31.6	31.3	30.9	88	86.1	84	133.1	1005.3	237	52.6	23.5	9.3	0
07-09-2025	15:00:00	31.8	31.3	30.8	88.5	87	85.8	139.4	1004.9	237.3	50.6	22.1	10	0
07-09-2025	16:00:00	31.4	30.9	30.6	89.8	88.8	87.1	86.2	1004.2	234.1	45.3	19.5	9.3	0
07-09-2025	17:00:00	31	30.7	30	90.1	87.7	86.4	54.1	1003.6	229.4	49.3	19.8	0.6	0
07-09-2025	18:00:00	31	30.6	30.2	90	88	86.4	44.2	1003.3	225	48.6	22.5	9.3	0
07-09-2025	19:00:00	30.6	30.1	29.6	92.3	91	89.1	3.3	1003.6	220.6	41.3	21.5	9.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
07-09-2025	20:00:00	30.2	29.8	29.4	92.9	90.6	88.9	0	1004.2	226.3	44	19.8	9.3	0
07-09-2025	21:00:00	30.3	29.9	29.6	91.8	91	89.5	0	1004.8	219.3	43.3	20.5	7.3	0
07-09-2025	22:00:00	30.2	29.8	29.5	92.1	91.1	90	0	1005.6	227.8	43.3	18	8	0
07-09-2025	23:00:00	30	29.7	29.4	92.3	91.7	90.8	0	1005.9	225.7	38.6	17.8	7.3	0
08-09-2025	00:00:00	30	29.7	29.4	93.2	92.3	91.6	0	1005.9	219.9	37.3	18.8	7.3	0
08-09-2025	01:00:00	29.9	29.5	29.2	94.3	93.4	92.4	0	1005.3	220.9	43.3	19.8	8.6	0
08-09-2025	02:00:00	29.7	29.4	29.1	94.5	93.8	93.2	0	1004.5	214.3	41.3	21	9.3	0
08-09-2025	03:00:00	29.7	29.4	29	94.4	93.8	93.1	0	1004.2	216.6	42.6	20.8	10	0
08-09-2025	04:00:00	29.9	29.5	29.2	94.6	93.6	93	0	1003.7	213.8	43.3	21.2	7.3	0
08-09-2025	05:00:00	29.7	29.4	29	94.4	93.3	92	0	1003.4	210.7	43.3	21.7	9.3	0
08-09-2025	06:00:00	29.8	29.4	29.1	93.8	92.9	92.2	0	1003.7	208.7	42	21.7	10	0
08-09-2025	07:00:00	29.8	29.4	29	94.2	93.4	92.5	0.8	1003.8	201	48.6	23.6	10	0
08-09-2025	08:00:00	30.4	29.7	29.2	93.7	92.1	88.9	33.3	1004.8	202.2	46.6	24.9	11.3	0
08-09-2025	09:00:00	31	30.5	30.1	90.3	88.8	87.2	70	1006.2	203.8	48.6	24.6	11.3	0
08-09-2025	10:00:00	31.9	30.8	30.3	89.8	86.8	83.4	110.7	1006.8	210.5	45.3	24.5	8	0
08-09-2025	11:00:00	32.9	32.3	31.3	83.5	79.9	78.3	256.5	1008.4	216.8	53.3	27	11.3	0
08-09-2025	12:00:00	33.3	32.7	32.1	81.2	78.5	76.3	342.6	1008	214.3	58	29.5	14	0
08-09-2025	13:00:00	33.7	33.1	32.7	78.4	75.6	73.4	358.9	1007.8	214.2	52	27.6	9.3	0
08-09-2025	14:00:00	33.7	33.1	32.7	77.6	74.9	70	283.6	1007.4	216.4	47.3	25	10.6	0
08-09-2025	15:00:00	33.9	33.4	32.9	76.7	73.3	70.6	310.8	1006.9	216.3	45.3	23.6	9.3	0
08-09-2025	16:00:00	33.7	33.2	32.7	76.9	75.3	73.7	248	1006.5	209	46	25.5	9.3	0
08-09-2025	17:00:00	33.3	32.8	32.4	77.7	75.8	73.8	163.6	1005.9	205.5	44	24	10.6	0
08-09-2025	18:00:00	32.8	31.9	31.4	80.3	77.9	75.3	72.3	1005.4	206.8	42.6	23.1	8	0
08-09-2025	19:00:00	31.7	30.8	30	86.7	83.2	79.1	5.8	1005.3	210	37.3	19.2	8	0
08-09-2025	20:00:00	30.6	30.1	29.8	87.4	86.3	85.2	0	1005.5	212.5	44.6	20.1	8.6	0
08-09-2025	21:00:00	30.4	30	29.6	90	88.4	86.3	0	1006.4	211.3	34.6	18.5	6.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
08-09-2025	22:00:00	30.2	29.8	29.4	90.5	89.7	88.9	0	1007.3	214	33.3	15.7	8	0
08-09-2025	23:00:00	30	29.6	29.3	91.2	90.3	89.4	0	1007.4	215.9	32.6	15.3	6.6	0
09-09-2025	00:00:00	29.8	29.4	29.1	91.4	90.4	89.6	0	1007.4	206.2	31.3	16	6.6	0
09-09-2025	01:00:00	29.7	29.3	29	92.2	91.4	90.5	0	1007.3	202.4	26.6	14	7.3	0
09-09-2025	02:00:00	29.7	29.2	28.8	92.9	92.2	91.6	0	1006.9	201.2	23.3	13.2	6	0
09-09-2025	03:00:00	29.6	29.2	28.8	93.9	93	92	0	1006.5	199.9	30	12.3	4.6	0
09-09-2025	04:00:00	29.4	29	28.7	94.3	93.3	92.4	0	1006	195.6	27.3	14.2	7.3	0
09-09-2025	05:00:00	29.6	28.9	28.3	99.3	97.1	94.2	0	1005.9	168.9	44.6	23.8	6.6	0
09-09-2025	06:00:00	29	28.6	27.8	108.7	101.5	98.7	0	1005.9	169.3	50	26.2	4.6	0
09-09-2025	07:00:00	28.7	28.4	27.8	108.8	108.2	104.9	0.7	1006.8	166.5	55.3	29	14.6	0
09-09-2025	08:00:00	29.4	28.9	28.1	108.8	104.8	99.2	39	1009.6	167.7	41.3	26.3	14	0.5
09-09-2025	09:00:00	30	29.3	28.6	102.4	99.5	98.3	85.3	1011.2	163.9	48	29.1	13.3	0
09-09-2025	10:00:00	29.6	28.8	28.1	91.2	86	80.9	190.2	1005.3	206.4	36	15.7	5.3	0
09-09-2025	11:00:00	30.4	29.1	27.8	94.4	93	91.6	247.5	1006	199.6	34	17.1	7.3	0
09-09-2025	12:00:00	31.7	30.2	28.8	87.1	86.8	86.5	352.6	1009.5	201.2	31.3	14.6	4	0
09-09-2025	13:00:00	31.4	31.3	31.2	92.7	84	75.3	350.7	1005.3	221.1	34	15.8	6	0
09-09-2025	14:00:00	33.1	32.5	32	84.8	81.9	80.2	365.2	1009.3	177.8	41.3	22.8	2	0
09-09-2025	15:00:00	34.1	33.3	32.7	81.1	77.6	73.9	322.9	1009	196.6	37.3	19	6.6	0
09-09-2025	16:00:00	34.4	33.7	33.2	77.1	75.4	72.9	258.8	1008.9	207	35.3	17.1	6.6	0
09-09-2025	17:00:00	33.7	33.2	32.7	78.9	77	75	161.3	1008.5	212	33.3	16.6	5.3	0
09-09-2025	18:00:00	33.2	32.5	31.7	82.3	78.8	76.1	64.5	1008.2	221.1	28	14.5	4	0
09-09-2025	19:00:00	32	31.2	30.4	86.9	84.2	81.8	4.5	1008.1	221.4	24	11.7	5.3	0
09-09-2025	20:00:00	30.8	30.3	30	87.3	86.6	85.5	0	1008.1	221.8	17.3	8	3.3	0
09-09-2025	21:00:00	30.4	30	29.5	89.9	88.1	86	0	1008.6	226.8	16	6.8	3.3	0
09-09-2025	22:00:00	30	29.5	29.2	90.9	90.4	89.4	0	1008.9	210.4	13.3	7.4	3.3	0
09-09-2025	23:00:00	29.6	29.3	29	92.8	91.5	90.3	0	1008.9	214.2	10.6	6.5	2.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
10-09-2025	00:00:00	29.4	29.1	28.7	93.7	93.1	92.4	0	1008.7	221.3	11.3	6.1	2	0
10-09-2025	01:00:00	29.2	28.9	28.7	94.7	93.9	93.3	0	1008.4	225.7	13.3	6.6	3.3	0
10-09-2025	02:00:00	29	28.6	28.3	96.2	95.1	94.2	0	1008	213.8	10.6	5.4	2.6	0
10-09-2025	03:00:00	28.9	28.4	28.1	96.9	96.4	95.8	0	1007	210.9	12	6.1	2.6	0
10-09-2025	04:00:00	28.6	28.3	28	96.8	96.2	95.6	0	1007.4	197.4	13.3	8.3	3.3	0
10-09-2025	05:00:00	28.5	28.2	27.9	96.6	95.9	95.5	0	1007.5	200.4	13.3	7.5	4	0
10-09-2025	06:00:00	28.5	28.2	27.8	96.9	96.2	95.7	0	1007.9	195.2	13.3	7.6	4	0
10-09-2025	07:00:00	29.2	28.3	27.9	98.1	96	95	1.6	1008.4	180.9	15.3	7.4	4.6	0
10-09-2025	08:00:00	29.7	29.2	28.6	97.8	97	96.2	49	1009.9	158.1	22.6	12.6	4	0
10-09-2025	09:00:00	30.4	29.6	29.1	98.2	96.5	94.9	149.1	1011	154.6	28	19.1	4	0
10-09-2025	10:00:00	31.1	30.4	29.7	96.6	93.9	90.4	227.8	1008.2	150.3	26	18.4	10.6	0
10-09-2025	11:00:00	31.9	31.4	30.9	91.5	89.6	87.8	88.9	1003.5	238.7	44.6	19.8	5.3	0
10-09-2025	12:00:00	33.1	31.6	31.1	90.1	88.3	86.5	92.3	1003.3	234.8	48	18.9	8	0
10-09-2025	13:00:00	32.9	32.2	31	90.8	86.6	84.3	188.5	1003.3	234	54	22.1	8	0
10-09-2025	14:00:00	33.5	32.9	32.3	86.6	84.3	82.2	225.8	1003.3	226.3	50	23.3	9.3	0
10-09-2025	15:00:00	32.7	32.2	31.9	87.5	85.9	83.8	135.5	1002.2	224.8	56.6	26.5	12.6	0
10-09-2025	16:00:00	32.3	31.9	31.5	89.2	87.6	86.4	116.3	1001.7	226.4	62.6	26.2	11.3	0
10-09-2025	17:00:00	32.1	31.7	31.4	88.8	87.6	86.3	104.8	1001.4	225.5	52.6	25.4	11.3	0
10-09-2025	18:00:00	32.1	31.4	31	89.6	88.3	86.5	53.1	1001.6	227	54.6	25.6	11.3	0
10-09-2025	19:00:00	31.4	31	30.5	91.8	90.1	88.5	16.9	1001.4	228.2	51.3	24.6	10	0
10-09-2025	20:00:00	31.5	30.7	30.2	93.4	92.5	91.4	0	1002.2	224	48	22.5	8.6	0
10-09-2025	21:00:00	30.8	30.5	30.2	93.7	92.6	91.7	0	1002.4	221.2	45.3	24.6	12	0
10-09-2025	22:00:00	31.2	30.4	30.2	93.8	93.2	92.6	0	1002.7	223.4	50.6	23.6	10.6	0
10-09-2025	23:00:00	30.8	30.4	30	94.2	93.5	92.7	0	1002.8	227.7	48.6	21.4	8.6	0
11-09-2025	00:00:00	31	30.5	30.2	93.4	92.3	91.2	0	1001.9	223.8	55.3	24.1	10	0
11-09-2025	01:00:00	30.4	30.3	30.2	93.8	93	92	0	1003.4	227.1	50.6	23.2	10.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
11-09-2025	02:00:00	30.5	29.7	28.4	96.3	92.9	90.1	0	1003.9	231.9	67.3	22.2	8	0
11-09-2025	03:00:00	29.8	29.1	28.3	99.4	97.7	96	0	1002.2	231.1	52.6	15.3	6	0
11-09-2025	04:00:00	30.2	29.6	28.9	99.6	98	96.5	0	1003.8	230.1	46.6	20.6	9.3	0
11-09-2025	05:00:00	30.4	29.9	29.4	97	94.6	93.1	0	1003.8	235.4	49.3	21.1	8.6	0
11-09-2025	06:00:00	30.3	30	29.6	94.3	93.4	92.5	0	1002.4	227.5	55.3	22.8	9.3	0
11-09-2025	07:00:00	30.3	29.9	29.5	96.8	95.1	93.6	0.1	1002.9	227.2	43.3	18.8	9.3	0
11-09-2025	08:00:00	30.1	29.9	29.4	95.4	93.8	92.4	17.6	1003.8	234.5	44.6	18.4	8.6	0
11-09-2025	09:00:00	31.4	30.9	30.4	93.4	91.6	90	53.1	1004.8	236.1	41.3	17.4	7.3	0
11-09-2025	10:00:00	31.8	31.5	31.1	90.8	88.1	85.9	134	1005.7	239.2	41.3	19.2	8	0
11-09-2025	11:00:00	31.7	31.7	31.7	82.4	82.4	82.4	125.2	1010.2	236.6	24	9.9	3.3	0
11-09-2025	12:00:00	33.9	32.9	31.6	82.6	78	74.3	361	1011.3	241.3	32.6	12.3	4	0
11-09-2025	13:00:00	33.9	33.3	32.7	79.4	76.1	71.7	372.6	1010.5	243.2	28.6	11.9	2.6	0
11-09-2025	14:00:00	34.4	34.1	33.3	72.9	70.1	67.5	326.3	1010.2	241.9	30	12.6	0.6	0
11-09-2025	15:00:00	31.2	30.2	29.6	89.3	87.8	86.3	225.7	1008.3	252.3	26.6	12.7	6	0
11-09-2025	16:00:00	34.5	34	33.3	73.4	71.2	69.4	255.2	1009.3	239.3	30	14.2	0.6	0
11-09-2025	17:00:00	33.7	33	32.6	76.9	74.5	72	123.6	1008.1	235.5	31.3	14.4	4.6	0
11-09-2025	18:00:00	33.3	32.5	31.4	80	76.2	72.9	69.6	1007.9	238.3	31.3	14.8	6	0
11-09-2025	19:00:00	31.9	31.3	30.8	83.1	81	79.1	3.7	1007.7	237.5	28.6	11.9	5.3	0
11-09-2025	20:00:00	31.2	30.7	30.4	83.9	83	81.7	0	1007.9	238.9	24.6	10.7	4	0
11-09-2025	21:00:00	31	30.6	30.3	88.2	85.8	82.9	0	1008.5	237.6	27.3	9.5	3.3	0
11-09-2025	22:00:00	30.8	30.5	30.1	88.5	87.4	86.5	0	1009	245.4	25.3	10.3	3.3	0
11-09-2025	23:00:00	30.8	30.4	30.2	90	88.6	87.8	0	1008.9	251	32	14.9	6.6	0
12-09-2025	00:00:00	30.6	30.2	30	91.4	90.3	89.2	0	1008.4	252.2	33.3	16	6.6	0
12-09-2025	01:00:00	30.4	30.1	29.7	92.2	91.3	90.4	0	1008.1	254.6	34.6	16	6.6	0
12-09-2025	02:00:00	30.2	29.9	29.5	92.6	91.7	91.1	0	1007.9	262.8	29.3	14.2	4	0
12-09-2025	03:00:00	30.1	29.7	29.4	92.3	91.4	90.4	0	1007.5	265.7	28	12.9	3.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Hazira station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
12-09-2025	04:00:00	30	29.5	29.2	92.9	92.2	91.2	0	1007.4	264.7	23.3	9.9	3.3	0
12-09-2025	05:00:00	29.7	29.4	29.1	93	92.3	91.8	0	1007.3	281.3	22	8.3	2.6	0
12-09-2025	06:00:00	29.7	29.4	29	92.5	91.8	91.4	0	1007.6	274.4	23.3	10	4	0
12-09-2025	07:00:00	29.4	29	28.4	93.6	92.2	91.3	1.5	1008.2	292.1	18	8.2	3.3	0
12-09-2025	08:00:00	30.7	29.9	28.9	91.6	87.8	83.2	53.2	1009.4	292.2	19.3	9.2	3.3	0
12-09-2025	09:00:00	31.8	31.1	30.4	83.5	79.6	76.1	146.4	1011.3	294.2	20.6	10.2	3.3	0
12-09-2025	10:00:00	32.7	32	31.4	77.9	75.4	72.9	232.5	1012.3	299.4	24.6	10.4	2.6	0
12-09-2025	11:00:00	33.3	32.9	31.6	76.6	69.9	68.9	322.9	1009.4	289.1	25.3	10.5	4	0
12-09-2025	12:00:00	33.9	33.2	32.5	70.7	67.7	64.7	350.7	1012.2	264.8	28.6	11	3.3	0
12-09-2025	13:00:00	33.9	33.2	32.7	70	66.4	63.1	373.6	1011	271	29.3	12.4	4	0
12-09-2025	14:00:00	34.4	33.6	33	66.9	63.8	60.5	338.8	1010.4	269.6	28	13.1	4.6	0
12-09-2025	15:00:00	34	33.4	32.9	67.4	64.3	61.3	232.8	1009.4	261.6	28.6	13.1	3.3	0
12-09-2025	16:00:00	34.6	33.9	33.1	66.2	62.2	58.9	240.2	1009.1	274	22	10.8	4.6	0
12-09-2025	17:00:00	34.7	33.9	33.1	68.9	64.4	58.8	127.5	1008.3	235.7	24	10.2	2.6	0
12-09-2025	18:00:00	34.1	32.9	31.8	73.5	69.5	64.9	63.6	1007.9	234.3	21.3	10.5	4	0
12-09-2025	19:00:00	32.2	31.6	30.9	80.8	78.3	73	2.2	1007.7	241.9	20.6	9.7	4	0
12-09-2025	20:00:00	31.4	31	30.6	84	82.2	80.3	0	1007.9	244.1	21.3	9	2.6	0
12-09-2025	21:00:00	31.2	30.8	30.5	85.1	83.3	82	0	1008	244.2	22	8.1	2.6	0
12-09-2025	22:00:00	31	30.7	30.4	88.3	86.2	84.3	0	1008.7	240.9	53.3	7.8	3.3	0
12-09-2025	23:00:00	30.8	30.5	30.2	90.7	89.3	87.8	0	1008.8	241.1	18.6	8.2	2.6	0



Ghogha Meteorological Data

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
13-08-2025	00:00:00	28.9	28.2	27.9	82.5	81.7	80.3	0	1002.6	233.7	14	4.6	0.6	0
13-08-2025	01:00:00	28.9	28.3	27.8	82.1	80.3	78.5	0	1002.4	230.3	7.3	2.2	0	0
13-08-2025	02:00:00	29	27.9	26.7	83.4	80.2	77.6	4.1	1001.9	244.3	15.3	3.9	0	0
13-08-2025	03:00:00	28.5	27.4	26.6	84.8	84.1	82.7	3.1	1000.8	233.8	8.6	2.9	0	0
13-08-2025	04:00:00	28.1	27.6	27	84.3	83.1	82.4	0	1000.7	238.4	8.6	2.9	0	0
13-08-2025	05:00:00	28.1	27.7	27.3	82.8	82.1	81.5	0	1000.8	238.6	8.6	2.6	0	0
13-08-2025	06:00:00	28	27.5	27	83.3	82.5	81.6	0	1001.2	242	9.3	2.6	0	0
13-08-2025	07:00:00	27.8	27.3	26.9	84	83.2	82.2	0.6	1001.5	240.5	8	1.5	0	0
13-08-2025	08:00:00	29.1	28.2	27.3	82.7	81.1	78.7	23.9	1002.1	236.8	8.6	2	0	0
13-08-2025	09:00:00	31.9	29.9	28.5	78.9	74.5	67.2	111.2	1003.2	249.8	15.3	4.1	0	0
13-08-2025	10:00:00	32.9	31.9	30.8	67.7	65	61.8	167.6	1004.1	304	22	5.1	0.6	0
13-08-2025	11:00:00	33.9	32.8	31.4	67.4	60.6	56.8	225.8	1004.2	325.4	18	4.8	0	0
13-08-2025	12:00:00	34	33	31.9	65.3	61.3	56.7	134.7	1003.7	10	12	2.3	0	0
13-08-2025	13:00:00	33.6	30.7	28.5	82.4	73.6	60.6	115.9	1002.5	120.7	26.6	6.8	1.3	0
13-08-2025	14:00:00	32.6	31	28.8	82.2	72.9	64.5	220	1002	142	20	6.1	1.3	0
13-08-2025	15:00:00	32.6	32	31.6	67.5	66.1	64.5	160.4	1001.7	163.4	18.6	5	1.3	0
13-08-2025	16:00:00	32.1	30.9	29.9	75.2	71.3	64.6	80.5	1000.6	181.9	20	7	2	0
13-08-2025	17:00:00	30.5	30	29.5	77.2	75.4	73.2	64.5	999.7	197	26	9.2	3.3	0
13-08-2025	18:00:00	30.4	29.9	29.5	76.8	75.8	73.2	6.5	999.7	200	27.3	9.1	2.6	0
13-08-2025	19:00:00	30.2	29.7	29.3	75.7	74.7	74.2	0	1000.2	204.9	26.6	8	0.6	0
13-08-2025	20:00:00	29.9	29.4	29	75.9	74.6	73	0	1000.1	200.5	21.3	7.1	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
13-08-2025	21:00:00	29.7	29.2	28.8	76.1	74.9	73.3	0	1000.7	201	21.3	8	2.6	0
13-08-2025	22:00:00	28.6	28.3	27.8	79.8	79	78.5	0	1001.8	233.9	11.3	4.8	0.6	0
13-08-2025	23:00:00	28.6	28	27.6	80.8	79.8	78.4	0	1001.6	246	8	0.8	0	0
14-08-2025	00:00:00	28.1	27.6	27.2	84.8	83.1	80.6	0	1001.2	280.7	3.3	0	0	0
14-08-2025	01:00:00	27.9	27.5	27.2	85.6	84.9	84.2	0	1000.7	238.1	11.3	2.8	0	0
14-08-2025	02:00:00	28	27.6	27.3	85.9	84.9	84	0	1000.2	235.8	10.6	4.1	0	0
14-08-2025	03:00:00	28	27.5	27.1	88.4	87	85.4	0	1000.1	318.8	5.3	0.7	0	0
14-08-2025	04:00:00	27.7	27	26.1	91.7	90.2	87.9	0.4	1000	271.7	3.3	0.1	0	0
14-08-2025	05:00:00	28	26.8	25.8	93.2	92.1	91.1	8	1000.1	263	4.6	0	0	0
14-08-2025	06:00:00	27.8	26.7	25.7	94.2	93.3	92.3	8.2	1000.4	263.2	3.3	0	0	0
14-08-2025	07:00:00	27.9	26.7	25.8	95.2	94.4	93.7	11.3	1001	252.2	2.6	0.1	0	0
14-08-2025	08:00:00	28.7	27.4	26	95.1	93.3	89.1	31.3	1001.8	220.1	6.6	1.9	0	0
14-08-2025	09:00:00	31.2	29.7	27.6	89.3	76.9	68.6	98.5	1003.2	206.5	8.6	3.1	0	0
14-08-2025	10:00:00	32.8	31.8	30.6	69.6	66	62.8	174.6	1004.1	174.5	12	3.1	0	0
14-08-2025	11:00:00	33.2	32.1	30.6	72.1	65.8	60.6	188.6	1004.2	134.7	21.3	5.7	0	0
14-08-2025	12:00:00	32.9	32.1	30.7	72.1	66.9	63.7	287.6	1003.7	121.9	30	9.3	2.6	0
14-08-2025	13:00:00	34.3	33.2	31.6	67.3	61.7	57.4	301.3	1003.4	141	24.6	7.4	2.6	0
14-08-2025	14:00:00	34.3	33.4	32.7	64.5	60.7	58.4	287.8	1003	162.7	25.3	7.4	2	0
14-08-2025	16:00:00	34.4	33.3	32.2	64.9	61	57.3	277.3	1001.9	188.8	27.3	8.7	2	0
14-08-2025	17:00:00	33.2	32.1	31	70	66.7	61.9	139.6	1000.3	198.9	23.3	8.5	2	0
14-08-2025	19:00:00	31.6	30.8	30	72.7	70.6	69.2	24.5	1000.7	196.6	22	8.6	2	0
14-08-2025	20:00:00	30.2	29.7	29.3	76.4	74.6	72.3	0	1000.5	199.3	23.3	8.8	2.6	0
14-08-2025	21:00:00	29.8	29.2	28.8	78.6	77.3	76	0	1000.8	206.9	18.6	6.6	2	0
14-08-2025	22:00:00	29.4	29	28.6	81.2	79.6	78.1	0	1001.3	214.3	16.6	5.3	0.6	0
14-08-2025	23:00:00	29.2	28.7	28.5	83.3	82.1	80.8	0	1001.4	204.1	10	3.4	0	0
15-08-2025	00:00:00	29.1	28.7	28.4	83.3	82.8	82.1	0	1001.4	207.2	14	5	0.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
15-08-2025	01:00:00	28.9	28.4	28.1	85.1	84.2	82.8	0	1001.3	218.7	14.6	4.8	1.3	0
15-08-2025	02:00:00	28.7	28.2	27.9	84.8	82.9	81.7	0	1000.5	234.3	10	2.7	0	0
15-08-2025	03:00:00	28.5	27.9	27.4	87.6	85.3	82.5	0	999.6	238.2	3.3	0.1	0	0
15-08-2025	04:00:00	28.2	27.7	27.4	87.8	87.4	86.8	0	999.2	238.8	0.6	0	0	0
15-08-2025	05:00:00	28.1	27.7	27.4	88.2	87.6	87	0	999.1	227.6	5.3	0.2	0	0
15-08-2025	06:00:00	28	27.5	27.2	89.8	88.5	87.6	0	999.3	237.1	6	1.5	0	0
15-08-2025	07:00:00	27.9	27.4	27.1	90.7	90	89.2	0	1000.1	237.8	5.3	0.9	0	0
15-08-2025	08:00:00	28.9	27.9	27.3	90.6	87.5	82.8	13.7	1001.3	305.4	8.6	1.6	0	0
15-08-2025	09:00:00	31.4	30	28.5	83.2	77.2	72	97.1	1002.4	264.3	10	2.3	0	0
15-08-2025	10:00:00	32.5	31.7	31	72.2	68.2	65.1	110	1003.2	252	10	1.6	0	0
15-08-2025	11:00:00	33.2	32.3	31.8	66	64	60.9	111.5	1003.5	266	6.6	0.8	0	0
15-08-2025	12:00:00	33.4	32.7	31.8	68.3	63.1	59.7	124.1	1003.6	84.2	9.3	0.6	0	0
15-08-2025	13:00:00	32.4	31.8	31.2	71.3	69.6	67.9	149.4	1002.9	118.7	15.3	5.7	0.6	0
15-08-2025	14:00:00	33.3	32.7	32.2	68.5	66	64.1	239	1002.3	126.4	20.6	7.7	3.3	0
15-08-2025	15:00:00	33	32	31.4	72.5	69.4	67	159.1	1000.6	114.2	22.6	7.2	0.6	0
15-08-2025	16:00:00	33.2	32.3	31.8	69.2	66.9	63.7	221.6	999.7	158.1	24.6	6.8	2	0
15-08-2025	17:00:00	34	32.1	30.8	75.5	68.9	62	137.9	998.9	198.3	34	8.7	2.6	0
15-08-2025	18:00:00	32	31.3	30.8	75.5	71.6	67.1	94.9	998.4	198.8	31.3	10.8	3.3	0
15-08-2025	19:00:00	31.4	30.6	30	77.6	75.2	72.8	15.7	998.6	200.5	28.6	10.9	3.3	0
15-08-2025	20:00:00	30.6	30.1	29.8	77.9	76.4	74.9	0	999.2	210.3	23.3	6.5	1.3	0
15-08-2025	21:00:00	30.4	29.9	29.4	76.6	75.3	74.6	0	1000	196.4	9.3	3.3	0	0
15-08-2025	22:00:00	30	29.5	29.2	77.6	76.3	75.5	0	1000.4	205.3	13.3	4.3	0	0
15-08-2025	23:00:00	29.8	29.1	28.6	81.7	79.3	76.8	0	1000.7	229.3	10.6	2.8	0	0
16-08-2025	00:00:00	29.2	28.7	28.3	82.4	79.6	77	0	1000	238.3	12	3.7	0.6	0
16-08-2025	01:00:00	28.9	28.3	28	81.2	80	78.3	0	999.5	254.4	5.3	0.3	0	0
16-08-2025	02:00:00	28.6	28.1	27.8	82.2	81.3	79.9	0	998.9	238	8	2.8	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
16-08-2025	03:00:00	28.3	27.8	27.5	84.7	83.3	81.6	0	998.2	235.1	5.3	0.3	0	0
16-08-2025	04:00:00	28.1	27.6	27.3	85.9	85	84.1	0	998.1	230.5	2.6	0	0	0
16-08-2025	05:00:00	27.8	27.3	26.9	88.6	87	85.4	0	997.9	230.5	6	1	0	0
16-08-2025	06:00:00	27.6	27.1	26.9	88.9	88.4	87.9	0	998.1	224.4	6	2	0	0
16-08-2025	07:00:00	27.6	27.2	26.9	89.6	88.9	88.2	0	998.5	221.8	6	0.5	0	0
16-08-2025	08:00:00	28.4	27.7	27.1	89.8	89.1	87.6	20.3	998.9	223	6	1.1	0	0
16-08-2025	09:00:00	30.4	29.1	27.9	87.8	82.1	77.3	67.2	1000.2	315.5	16.6	3	0	0
16-08-2025	10:00:00	31.5	30.6	29.8	77.4	74.3	69.7	111.9	1001.3	328.4	15.3	5.2	0	0
16-08-2025	11:00:00	32.5	31.4	30.4	71.9	68.5	63.5	129.2	1001.7	335	16.6	5.3	0	0
16-08-2025	12:00:00	34.7	33.4	31.8	66	61.4	57.8	194.6	1001.7	349.2	14	4	0	0
16-08-2025	13:00:00	37.5	35.6	34.1	59.6	55.3	50.2	342.1	1001.3	10.4	15.3	3	0	0
16-08-2025	14:00:00	37.4	35.2	33.7	63.1	57.2	49.4	274.2	1000.1	50	17.3	3.9	0	0
16-08-2025	15:00:00	35	33	31.7	70	65.7	57.9	216	998.6	111.3	16.6	5	0	0
16-08-2025	16:00:00	35.3	33.7	32.6	67.5	63.1	57.4	271.3	998.3	124.7	19.3	6.5	0	0
16-08-2025	17:00:00	34	32.7	32	68.3	66.4	62.6	140.7	997.9	144.3	20	6.6	1.3	0
16-08-2025	18:00:00	32.7	31.4	30.4	75.9	71.3	67.3	59.1	997.6	194.9	29.3	9.8	2.6	0
16-08-2025	19:00:00	31	30.2	29.4	76.5	74.3	72.1	3.9	997.8	231	26.6	6.7	2	0
16-08-2025	20:00:00	30	29.2	28.6	80.3	78.3	76.2	0	998.1	257	14	3.2	0.6	0
16-08-2025	21:00:00	29.2	28.4	27.9	81	79.3	77.9	0	998.2	245.9	12.6	3.8	0.6	0
16-08-2025	22:00:00	28.7	28.3	27.9	81.5	80	79.2	0	998.9	240.9	12	3.2	0	0
16-08-2025	23:00:00	28.5	27.7	26.7	89.3	85	81.2	3.2	998.7	241.1	13.3	2.9	0	0.5
17-08-2025	00:00:00	27.8	26.9	26	93	91.4	89	4.1	998	241	12	3.4	0	1
17-08-2025	01:00:00	27.5	26.6	25.9	94.5	93.5	92.5	4.4	997.7	237.3	6.6	0.8	0	0
17-08-2025	02:00:00	27.5	26.7	25.9	95.2	94.4	93.8	4.7	997.7	302.3	0.6	0	0	0
17-08-2025	03:00:00	27.5	26.6	25.9	95.5	95	94.5	3	996.7	295.2	6	0.3	0	0
17-08-2025	04:00:00	27.3	26.6	25.9	95.9	95.4	95	2	996.6	317.8	10.6	1.2	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
17-08-2025	05:00:00	27.1	26.6	26.1	95.7	95.1	94.8	0.1	997	298.5	10	1.5	0	0
17-08-2025	06:00:00	27.1	26.7	26.3	95.5	95	94.5	0	997.5	321.9	9.3	2.2	0	0
17-08-2025	07:00:00	27.4	26.8	26.3	95.1	94.8	94.4	0	997.6	323.8	8.6	1.8	0	0
17-08-2025	08:00:00	27.9	27	26.5	95.3	94.9	94.5	4	997.5	297.7	6.6	0.5	0	0
17-08-2025	09:00:00	28.6	27.6	26.7	95.3	94.3	92.5	37.3	998	317	9.3	2.2	0	0
17-08-2025	10:00:00	30	28.8	27.6	92.9	89.2	84.4	84.8	998.7	326.8	9.3	2.7	0	0
17-08-2025	11:00:00	31	30.3	29.5	84.6	80.2	77.4	88.4	999.2	348.5	8.6	2.3	0	0
17-08-2025	12:00:00	32	30.8	30	80	77.6	74	103.5	999.2	332.5	8	2.5	0	0
17-08-2025	13:00:00	32.7	31.4	28.9	83	76.6	70.2	84.1	998.9	16.8	6.6	0.6	0	2
17-08-2025	14:00:00	30.4	29.3	28.2	88.3	86.8	82.6	82.3	998	187.4	19.3	3.8	0	0
17-08-2025	15:00:00	31.8	30.2	28.8	87.6	82.8	75.5	146.6	997.8	196	18	6.4	1.3	0
17-08-2025	16:00:00	32.1	30.8	29.9	78.1	76.6	74	111.3	997.7	194	18.6	6.6	0.6	0
17-08-2025	17:00:00	32.6	31.7	30.4	77.5	71.6	68.3	157	997.6	180.5	26	6	1.3	0
17-08-2025	18:00:00	31.6	29.6	27.3	88.7	81.1	74.4	71.4	996.2	190.7	30	8.2	2.6	0
17-08-2025	19:00:00	29.3	28.3	27.3	90.5	89.5	88.3	14.1	996.5	207.6	18.6	6.4	1.3	0
17-08-2025	20:00:00	29.1	28.1	27.4	90.8	90.3	89.6	3.3	997.5	194.9	16.6	6.7	1.3	0
17-08-2025	21:00:00	28.6	27.9	27.2	91.6	90.9	90.3	1.8	997.8	194.3	14	4	0	0
17-08-2025	22:00:00	28.3	27.7	27.1	90.9	90	89.1	0.1	998.1	206.5	16.6	6.5	2.6	0
17-08-2025	23:00:00	27.9	27.4	27	89.9	89.3	88.7	0	998.8	200.3	14.6	6.5	1.3	0
18-08-2025	00:00:00	27.9	27.3	26.9	90.3	89.3	88.5	0	999	215.1	17.3	6	2	0
18-08-2025	01:00:00	27.8	27.1	26.7	91.5	90.5	89.8	0	998.9	226.8	10.6	2.2	0	0
18-08-2025	02:00:00	27.6	27	26.5	92.1	91.7	91.2	0	998.4	197.1	8.6	1.6	0	0
18-08-2025	03:00:00	27.5	27	26.5	92.3	91.9	91.4	0	998.1	185.3	7.3	0.8	0	0
18-08-2025	04:00:00	27.8	27.1	26.7	91.9	90.8	89.6	0	998.2	209.7	6.6	1.6	0	0
18-08-2025	05:00:00	27.7	27.1	26.6	91.2	90.4	89.7	0	998.1	199.4	3.3	0	0	0
18-08-2025	06:00:00	27.3	26.7	26.1	93	91.8	90.8	0	997.9	0	0	0	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
18-08-2025	07:00:00	27.7	26.6	26.1	93.9	93.1	91.9	3.6	998.1	196.8	9.3	1.9	0	0
18-08-2025	08:00:00	31.1	29.2	26.9	92.1	82.6	73.8	65.2	999.6	189.1	12.6	4.9	0.6	0
18-08-2025	09:00:00	31.7	31.1	30.5	76.2	74.1	72.3	97.7	1000.8	113.5	16.6	6.5	0	0
18-08-2025	10:00:00	32.1	31.7	30.7	74.3	72.1	70.4	192.9	1001.9	119	19.3	7.8	1.3	0
18-08-2025	11:00:00	33.3	32.7	32.1	69.4	67.8	66.6	327.6	1002	131.4	31.3	9.8	4.6	0
18-08-2025	12:00:00	33.9	32.9	32	69.1	66.7	63.2	262.5	1001.4	140.8	26.6	8.1	2	0
18-08-2025	13:00:00	33.6	32.6	32	70.9	68.4	66	305.3	1001.2	123.3	28.6	10.7	4	0
18-08-2025	14:00:00	34.4	33.1	32.2	69.2	66.2	61.9	388.5	1000.4	124.1	27.3	10.6	2.6	0
18-08-2025	15:00:00	34.1	33	32.3	68.8	66.9	64	276.1	999.3	137.9	26.6	9	1.3	0
18-08-2025	16:00:00	33.7	32.7	31.8	71.3	68.5	64.5	240.4	998.6	134.7	27.3	9.8	3.3	0
18-08-2025	17:00:00	32.4	31.5	30.9	74	71.8	68.6	108.5	998	149.3	27.3	7.9	2	0
18-08-2025	18:00:00	31.6	30.9	30.4	76.9	74.7	73	60.4	997.9	156.5	22.6	6.9	0.6	0
18-08-2025	19:00:00	30.9	30.1	29.1	82.4	77.8	74.7	12.4	997.9	168.4	24.6	7.6	2.6	0
18-08-2025	20:00:00	29.7	29	28.6	83.8	82.9	81.9	0	997.9	151.1	26.6	7.9	2.6	0
18-08-2025	21:00:00	29.6	28.9	28.3	85.5	83.8	82.2	0.2	998.2	126.4	30.6	9.6	3.3	0
18-08-2025	22:00:00	29.4	28.7	28	88.1	87.1	85.1	0.4	998.7	105	32.6	10.3	2.6	0
18-08-2025	23:00:00	29.1	28.6	28.2	88.7	88.1	87.5	0	999	100.1	30	9.2	2.6	0
19-08-2025	00:00:00	29	28.5	28.2	88.5	87.7	87.1	0	998.7	110	28.6	10.6	2.6	0
19-08-2025	01:00:00	28.9	28.4	28	90.2	89	87.5	0	998.3	104.6	24	6	0	0
19-08-2025	02:00:00	29.1	28.5	28.1	90.2	89	88	0	997.6	109.2	13.3	4.4	0	0
19-08-2025	03:00:00	29.2	28.7	28.2	89.3	87.5	85.2	0	996.8	114.9	22.6	8.2	2	0
19-08-2025	04:00:00	29.1	28.6	28.2	89.3	88.7	87.8	0	996.6	91.7	25.3	7.3	2.6	0
19-08-2025	05:00:00	28.8	28.3	27.8	88.7	87.8	86.8	0	996.2	66.2	20.6	5.2	1.3	0
19-08-2025	06:00:00	28.9	28.3	27.8	90	89.3	88.5	0	995.7	46.5	26	5.7	1.3	0
19-08-2025	07:00:00	28.8	28.3	27.9	89.3	88.5	87.8	1.3	996.7	70.1	28.6	5.8	2.6	0
19-08-2025	08:00:00	29.2	28.5	27.8	88.5	87.3	85.1	32.5	998	59.6	28	4.9	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
19-08-2025	09:00:00	30.6	29.3	28.4	86.2	83.6	79	91.4	998.5	76.4	23.3	5.7	1.3	0
19-08-2025	10:00:00	31.8	30.7	30.1	79.7	76	72.8	130.7	1000	64.1	18	4.8	0.6	0
19-08-2025	11:00:00	32.8	31.7	30.4	77	72.8	68.5	184.4	999.9	57.2	21.3	4.7	0	0
19-08-2025	12:00:00	33.2	32.2	30.6	77.2	71.1	67.8	312.4	999.2	95.7	22.6	7.4	1.3	0
19-08-2025	13:00:00	34.4	33.4	31.9	69.4	65.7	62.4	340.8	999.2	102.6	21.3	7.7	2	0
19-08-2025	14:00:00	34	33	31.6	71.6	67.3	64.3	363.5	998.8	119.2	24.6	9.8	4	0
19-08-2025	15:00:00	34.4	33.6	33	67.6	64.7	63	344.6	998.2	128	25.3	9.5	3.3	0
19-08-2025	16:00:00	34.5	33.8	33	67.7	64.7	61.8	266.9	997.2	143.5	20	6.9	2	0
19-08-2025	17:00:00	33.8	32.8	31.4	73.2	68.4	65.1	130.4	996.1	178.4	17.3	6	1.3	0
19-08-2025	18:00:00	32.7	32.1	31.4	72.4	70.1	68.5	43.1	995.6	172.9	19.3	3.7	0	0
19-08-2025	19:00:00	32.3	29.5	28	89.4	84.4	71.7	13.8	994.9	169.1	21.3	3.2	0	0
19-08-2025	20:00:00	30	29	28	90.5	89.8	88.8	6.8	995.2	178.9	10	0.2	0	0
19-08-2025	21:00:00	29.6	28.8	28.2	89.1	87.6	86.4	2.5	996	79.7	13.3	3.2	0	0
19-08-2025	22:00:00	29.6	28.9	28.3	86.8	85.8	84.7	0.2	997.4	63	7.3	1.2	0	0
19-08-2025	23:00:00	29.6	29	28.5	85.8	85.2	84.5	0	997.9	265.8	5.3	0.7	0	0
20-08-2025	00:00:00	29.4	28.4	27.8	85.9	85.1	84.1	0	996.4	312	42	6.5	0.6	0
20-08-2025	01:00:00	28.7	28.1	27.3	88.1	85.9	85.2	0.7	995.7	310.4	24.6	7	2.6	0
20-08-2025	02:00:00	28.5	27.6	26.5	92.9	90.8	87.7	4.5	995.2	322.4	30	7.6	2	1
20-08-2025	03:00:00	28.4	27.1	26	93.9	93.2	92.5	4.9	994.7	294.5	25.3	4.6	1.3	0.5
20-08-2025	04:00:00	27.9	26.7	25.7	95	94.1	93.4	6.2	993.8	261.3	19.3	5.2	2	1
20-08-2025	05:00:00	27.5	26.5	25.6	96.4	95.9	95.5	6.7	994.2	254.6	16	5	2	0
20-08-2025	06:00:00	27.7	26.7	25.7	95.9	94.9	94	6.3	994.4	273.5	18.6	4.2	0.6	0
20-08-2025	07:00:00	27.9	26.9	26.1	94.4	93.6	93.1	6.6	995.3	253.2	18	5	1.3	0
20-08-2025	08:00:00	27.9	26.9	26	95.9	94.6	93.5	12.1	996	320.2	15.3	3.4	0	1
20-08-2025	09:00:00	28.3	27.3	26.2	96.2	95.6	95.1	30.2	997.1	246.5	14.6	4.6	0	0
20-08-2025	10:00:00	27.5	26.6	25.8	96.5	96	95.5	55.1	997.9	234.9	18	7.4	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
20-08-2025	11:00:00	27.6	26.6	25.7	96.4	95.3	94.9	47	998.2	240.1	24.6	8.6	2	1
20-08-2025	12:00:00	27.8	26.7	25.8	96.3	95.6	95.1	33.9	997.8	244.2	22	6.1	0.6	1
20-08-2025	13:00:00	27.6	25.8	24.6	98.2	96.3	95.1	18.4	997.7	249	28	6.7	2	24.5
20-08-2025	14:00:00	27.3	25.9	24.6	98.7	97.6	96.5	68.3	997.1	241.8	24.6	7.3	1.3	1.5
20-08-2025	15:00:00	27.9	26.8	25.7	97	95.3	94.4	46.2	996.9	241.7	28	8.4	2	1
20-08-2025	16:00:00	29	27.7	26.4	95.4	93.6	90.3	94.3	995.8	240.4	26.6	9.1	2.6	0.5
20-08-2025	17:00:00	29.7	28.7	27.6	90.7	86.2	83.3	75.8	996.3	240.4	26.6	9.8	2	0
20-08-2025	18:00:00	29.4	28.6	28	87.4	85.8	83.4	24.4	997.4	238	30.6	7	2	0
20-08-2025	19:00:00	29.3	28.5	27.8	85.5	84.7	83.4	10.6	997.6	232.3	17.3	6.1	0.6	0
20-08-2025	20:00:00	28.7	27.9	27.2	88.1	86.5	84.8	0.2	997.9	229.2	16.6	5.6	0.6	0
20-08-2025	21:00:00	28.2	27.5	27	88.3	87.6	86.7	0	998.5	232.3	18	6.4	1.3	0
20-08-2025	22:00:00	27.9	27.3	26.9	87.9	87.4	86.9	0	998.9	227.6	22	8	2	0
20-08-2025	23:00:00	27.8	27.3	26.9	88.8	88.2	87.5	0	1000	219	20.6	6.8	0	0
21-08-2025	00:00:00	27.7	27.2	26.6	90.5	89.4	88.3	0	1000.3	225.7	23.3	6.7	1.3	0
21-08-2025	01:00:00	27.6	27	26.5	91.5	90.8	89.9	0	1000.2	224.8	22	6.9	1.3	0
21-08-2025	02:00:00	27.7	27.1	26.6	91.1	90	88.9	0	999.8	227	21.3	8	2	0
21-08-2025	03:00:00	27.8	27.1	26.6	89.7	88.9	88.1	0	999.4	227.1	24	7.4	0.6	0
21-08-2025	04:00:00	27.4	26.9	26.5	91	90.1	89.3	0	999.8	229.2	18.6	6.8	2	0
21-08-2025	05:00:00	27.3	26.7	26	92.3	91.3	90.4	0	999.4	220.7	16	6.6	2	0
21-08-2025	06:00:00	27.1	26.5	26	93.1	92.7	92.1	0	999.3	220.6	26	7.6	2	0
21-08-2025	07:00:00	27.7	26.7	26.1	93	92.1	89.3	4.9	1000	230.7	24	7.6	2	0
21-08-2025	08:00:00	28.8	28	27.1	89.5	85.5	83.1	25.7	1001.7	233.6	27.3	8.6	2.6	0
21-08-2025	09:00:00	29.9	28.9	27.5	86.1	81.4	77.8	93.4	1002.7	231.5	32	10.4	3.3	0
21-08-2025	10:00:00	29.9	29.3	28.9	79.7	78.7	77.8	78.3	1003.4	232.1	29.3	10.2	2.6	0
21-08-2025	11:00:00	31.8	30.8	29.2	78.6	73.8	70	196.4	1004.4	237.5	28	9.6	2	0
21-08-2025	12:00:00	33.4	32.8	32.1	67.2	65.5	63.4	216.3	1004.3	227.5	29.3	8.5	2.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
21-08-2025	13:09:20	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
21-08-2025	14:00:00	29.7	27.7	26.5	90.2	86.5	77.8	64.2	1002.1	226.4	35.3	8.7	2	2
21-08-2025	15:00:00	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
21-08-2025	16:00:00	29.2	28.7	28.2	87.3	86.7	86.2	41.8	1001.6	234.5	14	6.7	2	0
21-08-2025	17:00:00	29.8	28.9	28	89.9	88.2	85.2	48.3	1001.1	233.1	24	7	1.3	0
21-08-2025	18:00:00	29.4	28.6	27.3	89	85.9	84.4	13.5	1001.5	239	27.3	7.7	1.3	0
21-08-2025	19:00:00	28.8	27.8	26.7	93.3	91.3	88.7	9.8	1001.5	231.7	14.6	3.7	0	0
21-08-2025	20:00:00	28.2	27.4	26.5	95	93.8	92.5	6.5	1002.2	235	8	1.7	0	0
21-08-2025	21:00:00	28.4	27.3	26.4	95.5	94.9	94.3	6.7	1003.1	214.4	6.6	1.3	0	0
21-08-2025	22:00:00	28.2	27.3	26.5	95.5	95.1	94.6	5.9	1003.4	223.7	16	5.6	1.3	0
21-08-2025	23:00:00	28.1	27.1	26.3	95	93.9	92.8	4.5	1003.6	226.7	18	7	2	0
22-08-2025	00:00:00	27.6	26.9	26.2	93.4	92.9	92.4	3.1	1003.7	225.1	22	7.6	2.6	0
22-08-2025	01:00:00	27.5	26.7	26.2	93.1	92.6	92.1	1.8	1003.3	223.5	22.6	8	3.3	0
22-08-2025	02:00:00	27.3	26.7	26.1	92.7	92.2	91.7	1.1	1002.7	218.5	29.3	8.4	2.6	0
22-08-2025	03:00:00	27.3	26.7	26.2	92.7	92.1	90.8	0.2	1002	220.9	24.6	7.8	1.3	0
22-08-2025	04:00:00	27.3	26.7	26.1	91.1	90.3	89.8	0	1001.7	228.1	22.6	7.2	0.6	0
22-08-2025	05:00:00	27.1	26.5	26	91.7	90.9	90.3	0	1001.6	232	17.3	5.6	0.6	0
22-08-2025	06:00:00	27	26.5	26.1	91.9	91.2	90.5	0	1001.9	234.7	19.3	6.1	1.3	0
22-08-2025	07:00:00	27.1	26.5	26.1	91.2	90.7	90.1	2.2	1002.7	228	16.6	6.5	2	0
22-08-2025	08:00:00	28.6	28	27.2	87.2	85.6	84.3	58.8	1004.4	233.7	22.6	9	3.3	0
22-08-2025	09:00:00	29.8	29.1	28	84.7	80	76.8	103.1	1004.9	234.7	30.6	10.1	3.3	0
22-08-2025	10:00:00	29.27	28.64	27.55	85.73	80.55	77.36	123.9	998.6	221.2	19.8	7.4	1.43	0
22-08-2025	11:00:00	29.91	29.64	28.45	81.09	77.91	76.64	176.0	999.0	216.8	24.2	8.8	2.2	0
22-08-2025	12:00:00	29.91	29.27	28.73	80.73	78.73	76.18	193.9	1000.1	208.6	22.66	7.48	0	0
22-08-2025	13:00:00	29.73	29.18	28.36	82.27	78.73	76.36	191.2	1000.4	215.0	25.63	7.37	1.43	0
22-08-2025	14:00:00	30.09	29.45	28.91	79.82	77.09	74.73	183.4	1000.3	214.1	24.2	7.59	1.43	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
22-08-2025	15:00:00	30.09	29.64	29.18	77.00	75.27	73.73	177.2	999.9	216.2	23.43	8.8	2.2	0
22-08-2025	16:00:00	29.55	28.73	26.91	85.09	78.36	75.00	147.2	999.5	216.3	26.4	8.14	0.66	0
22-08-2025	17:00:00	29.55	28.36	25.91	87.55	79.73	76.00	86.9	999.9	218.3	20.46	7.48	2.2	0
22-08-2025	18:00:00	28.36	26.09	24.82	98.91	90.73	86.64	13.9	999.5	210.2	17.6	7.26	2.2	0
22-08-2025	19:00:00	27.82	27.45	26.91	87.36	84.09	82.09	1.4	999.4	210.1	28.6	8.36	2.2	0
22-08-2025	20:00:00	27.82	27.45	27.27	83.73	82.82	82.09	0	1000.1	219.7	26.4	8.36	2.2	0
22-08-2025	21:00:00	27.82	27.27	26.73	86.45	83.82	82.18	0	1001.8	222.5	30.03	9.46	2.86	0
22-08-2025	22:00:00	27.82	27.45	27.18	83.64	82.64	81.45	0	1002.8	220.5	35.2	11.44	3.63	0
22-08-2025	23:00:00	27.64	27.45	27.09	83.45	82.36	80.00	0	1003.5	221.0	32.23	11.22	2.86	0
23-08-2025	00:00:00	27.64	27.27	27.00	84.64	83.91	82.73	0	1004.5	226.2	30.8	10.56	2.2	0
23-08-2025	01:00:00	27.55	27.27	27.00	83.82	83.09	82.36	0	1004.4	216.7	32.23	9.35	2.86	0
23-08-2025	02:00:00	27.55	27.27	27.00	83.64	82.73	82.00	0	1001.6	208.9	29.26	9.35	2.86	0
23-08-2025	03:00:00	27.45	27.18	26.91	84.27	83.00	82.00	0	1002.2	215.6	38.83	9.57	2.2	0
23-08-2025	04:00:00	27.45	27.18	26.82	85.00	83.82	82.73	0	1001.6	208.9	29.26	9.35	2.86	0
23-08-2025	05:00:00	27.36	26.64	26.09	88.09	86.27	83.45	0	1001.7	223.3	15.4	7.37	2.2	0
23-08-2025	06:00:00	27.00	26.55	26.09	87.91	87.09	86.18	0	1001.2	222.0	26.4	7.7	1.43	0
23-08-2025	07:00:00	27.27	26.82	26.36	86.55	85.36	84.36	3	1001.6	227.6	30.03	8.47	1.43	0.4
23-08-2025	08:00:00	27.36	27.00	26.36	88.55	85.91	85.00	12.1	1001.6	220.7	16.06	4.07	0	0
23-08-2025	09:00:00	27.36	26.64	25.91	87.73	85.45	83.18	15.4	1002.3	223.8	8.8	1.87	0	0.42
23-08-2025	10:00:00	25.73	25.27	24.73	98.82	97.55	91.36	19.4	1003.2	204.2	7.26	1.43	0	0.3
23-08-2025	11:00:00	26.36	25.45	24.64	98.91	97.82	96.36	27.6	1003.5	213.0	17.6	6.16	1.43	0.0
23-08-2025	12:00:00	26.36	25.45	24.64	85.73	83.73	81.82	73.9	1003.7	215.9	19.8	7.7	2.2	0.3
23-08-2025	13:00:00	28.18	27.82	26.82	85.91	82.27	80.18	78.3	1003.8	214.4	24.2	8.36	2.86	0
23-08-2025	14:00:00	28.55	28.18	27.55	80.82	79.27	78.36	77.5	1003.4	212.9	24.86	8.8	3.63	0.4
23-08-2025	15:00:00	29.18	28.36	27.64	79.73	77.82	75.27	107.9	1002.8	208.1	32.23	9.24	2.86	0.3
23-08-2025	16:00:00	29.27	28.64	28.09	79.82	77.82	75.36	93.3	1002.1	210.4	27.06	8.58	1.43	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
23-08-2025	17:00:00	28.36	27.55	26.73	85.45	81.91	78.45	27.5	1001.8	217.2	24.86	7.92	0.66	0.4
23-08-2025	18:00:00	27.82	27.55	27.18	82.91	81.27	79.73	8.8	1001.7	221.0	19.03	6.16	0.66	0
23-08-2025	19:00:00	27.82	27.55	27.27	82.27	81.27	80.27	0.9	1002.0	223.5	21.23	6.71	1.43	0.3
23-08-2025	20:00:00	27.82	27.55	27.27	81.64	80.64	79.82	0	1002.8	217.1	18.26	7.15	2.2	0
23-08-2025	21:00:00	27.82	27.45	27.27	81.82	80.91	79.82	0	1004.5	222.6	24.86	9.9	3.63	0.4
23-08-2025	22:00:00	29.82	27.45	27.18	81.55	80.55	79.18	0	1005.0	223.5	33.66	11.11	3.63	0.3
23-08-2025	23:00:00	27.82	27.45	27.09	81.82	80.55	79.73	0	1004.8	234.6	23.43	6.82	1.43	0
24-08-2025	00:00:00	27.73	27.00	26.27	86.64	83.45	80.82	0	1004.1	234.1	32.23	7.7	2.2	0.4
24-08-2025	01:00:00	27.27	26.36	25.27	90.36	86.82	84.27	0	1003.0	234.6	24.2	6.27	1.43	0
24-08-2025	02:00:00	27.45	28.00	28.64	95.45	90.09	84.73	0	1002.2	261.3	49.06	6.6	1.43	0.3
24-08-2025	03:00:00	26.36	25.73	24.45	92.73	90.18	88.36	0	1000.7	233.1	22	5.94	0	0
24-08-2025	04:00:00	27.00	26.45	25.82	89.55	88.09	86.55	0	1000.8	227.6	0	3.63	3.63	0.4
24-08-2025	05:00:00	26.91	26.36	25.91	89.45	87.73	86.00	0	1000.1	234.0	24.86	6.05	0.66	0.3
24-08-2025	06:00:00	27.18	26.73	26.27	88.55	86.00	83.00	0	1000.2	222.8	13.2	5.06	0	0
24-08-2025	07:00:00	27.09	26.36	25.73	87.55	85.82	83.36	0.4	1001.0	226.9	11.66	3.74	0	0
24-08-2025	08:00:00	27.18	26.55	26.09	88.36	87.36	86.45	15.6	1001.9	227.0	9.46	4.51	0.66	0
24-08-2025	09:00:00	27.09	26.18	24.73	98.45	89.18	86.09	9.1	1002.8	224.0	11.66	3.96	0.66	0
24-08-2025	10:00:00	26.09	25.36	24.64	98.82	97.73	96.36	12.2	1003.1	222.6	20.46	6.05	1.43	0
24-08-2025	11:00:00	27.64	26.64	25.45	99.00	93.27	88.18	49.0	1003.2	227.2	18.26	6.27	1.43	0
24-08-2025	12:00:00	28.64	27.73	26.55	90.36	85.45	80.45	89.4	1002.8	218.4	19.03	6.16	0.66	0
24-08-2025	13:00:00	29.27	28.55	28.00	81.18	79.45	74.91	126.5	1002.1	193.6	10.23	4.29	0.66	0
24-08-2025	14:00:00	29.73	29.36	28.82	78.27	76.09	74.00	196.8	1001.3	205.0	19.03	6.6	2.2	0
24-08-2025	15:00:00	29.73	29.27	28.73	77.55	75.64	74.55	157.9	1001.5	206.5	15.4	5.39	0	0
24-08-2025	16:00:00	29.73	29.18	28.73	77.27	75.09	73.64	134.2	1001.9	218.6	9.46	2.97	0	0
24-08-2025	17:00:00	29.82	29.09	28.45	76.91	75.64	73.82	95.6	1002.3	225.1	8.03	2.97	0	0
24-08-2025	18:00:00	29.18	28.45	27.82	79.27	77.73	75.55	40.9	1002.6	229.0	5.06	1.54	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
24-08-2025	19:00:00	28.18	27.82	27.45	80.82	79.73	78.45	2.7	1003.3	224.2	13.86	2.2	0	0
24-08-2025	20:00:00	28.00	27.55	27.27	82.36	81.36	80.18	0	1002.8	220.5	35.2	11.44	3.63	0
24-08-2025	21:00:00	27.82	27.36	26.64	84.27	82.73	80.82	0	1003.5	221.0	32.23	11.22	2.86	0
24-08-2025	22:00:00	26.91	25.36	24.27	98.82	92.00	83.91	0	1004.5	226.2	30.8	10.56	2.2	0
24-08-2025	23:00:00	25.64	24.91	24.27	98.45	97.73	96.55	0	1004.4	216.7	32.23	9.35	2.86	0
25-08-2025	00:00:00	26.45	26.18	25.73	98.64	93.09	91.00	0	1001.6	208.9	29.26	9.35	2.86	0
25-08-2025	01:00:00	27.27	26.73	25.91	91.55	88.18	85.09	0	1002.2	215.6	38.83	9.57	2.2	0
25-08-2025	02:00:00	27.27	27.00	26.73	86.18	85.27	84.36	0	1001.6	208.9	29.26	9.35	2.86	0
25-08-2025	03:00:00	27.00	25.55	24.82	98.45	91.45	84.36	0	1001.7	223.3	15.4	7.37	2.2	0
25-08-2025	04:00:00	26.09	25.55	24.82	98.82	97.64	91.09	0	1001.2	222.0	26.4	7.7	1.43	0
25-08-2025	05:00:00	26.18	25.73	24.91	98.91	97.82	91.27	0	1001.6	227.6	30.03	8.47	1.43	0
25-08-2025	06:00:00	26.64	26.09	25.55	98.91	97.36	90.91	0	1001.6	220.7	16.06	4.07	0	0
25-08-2025	07:00:00	28.00	25.55	24.91	98.73	97.73	96.36	0	1002.3	223.8	8.8	1.87	0	0
25-08-2025	08:00:00	26.36	25.73	25.00	98.82	97.73	96.45	0.8	1003.2	204.2	7.26	1.43	0	0
25-08-2025	09:00:00	27.36	26.73	25.91	98.64	90.45	86.18	31.6	1003.5	213.0	17.6	6.16	1.43	0
25-08-2025	10:00:00	27.45	27.00	26.45	88.55	86.91	83.91	30.3	1003.7	215.9	19.8	7.7	2.2	0
25-08-2025	11:00:00	26.82	26.09	25.45	98.73	92.55	88.27	34.5	1000.4	215.0	25.63	7.37	1.43	0
25-08-2025	12:00:00	31.2	30.1	29.5	75.5	74	71.7	128.5	1004.7	246.3	21.3	6.2	1.3	0
25-08-2025	13:00:00	31.8	30.8	28.5	80.8	71.4	68.3	116.4	1004	245.8	29.3	7	2	0
25-08-2025	14:00:00	33.2	30.7	28.6	83.2	76.8	63.6	224.2	1002.9	246.3	22	5.7	1.3	0
25-08-2025	15:00:00	33.1	31.6	27.3	86.1	68.9	63.9	124.8	1002.1	274.4	44.6	6	1.3	4
25-08-2025	16:00:00	29.7	28.6	27.1	91.2	87.3	79.9	98	1000.6	244.8	20	5.4	0	0.5
25-08-2025	17:00:00	29.2	29.2	29.2	79.8	79.8	79.8	29.6	1000.7	239	0	3.3	3.3	0
25-08-2025	18:00:00	30.1	29.3	27.5	86.4	79.5	76.8	22.5	1000	245.7	22.6	5.5	0.6	0
25-08-2025	19:00:00	29.2	28	27.2	88	87	85.8	10.5	1000.1	233.9	12	4.6	0	0
25-08-2025	20:00:00	28.5	27.7	27.2	88.5	86.9	85.8	0	1000.9	238.2	10.6	3.4	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
25-08-2025	21:00:00	27.9	27.3	26.9	88.7	87.8	87.1	0.1	1001.8	238.3	8.6	4.1	0.6	0
25-08-2025	22:00:00	27.4	27	26.7	90.2	89.2	87.7	0	1002.7	235.2	10.6	3.6	0.6	0
25-08-2025	23:00:00	27.6	27.1	26.7	89.8	87.4	85.3	0	1003	233.7	18.6	5.5	1.3	0
26-08-2025	00:00:00	27.3	26.9	26.6	90	88.7	87.6	0	1003.1	238.6	16.6	5.7	1.3	0
26-08-2025	01:00:00	27.3	26.8	26.5	91.2	89.9	88.7	0	1002.7	229.3	17.3	5.6	0.6	0
26-08-2025	02:00:00	26.7	26.4	25.9	94.4	94	93.5	0	1002	203.3	9.3	3.9	0.6	0
26-08-2025	03:00:00	26.7	26.2	25.6	95.8	94.6	93.6	0	1001.2	215.3	17.3	6	2	0
26-08-2025	04:00:00	26.6	26.1	25.6	96.1	95.7	95.2	0	1001.4	216.8	14	4.9	0	0
26-08-2025	05:00:00	26.5	26.1	25.6	95.9	95.6	95.3	0	1001.8	229.5	8.6	2.7	0	0
26-08-2025	06:00:00	26.5	26.1	25.6	96.5	96	95.5	0	1002.2	236.4	7.3	2.7	0	0
26-08-2025	07:00:00	26.7	26.1	25.7	96.6	96.1	95.6	0.7	1002.5	240.5	4.6	1.4	0	0
26-08-2025	08:00:00	28	26.9	26	96.1	94.5	91	27.9	1003.2	235.4	12.6	2	0	0
26-08-2025	09:00:00	29.9	28.9	27.5	86.1	81.4	77.8	93.4	1002.7	231.5	32	10.4	3.3	0
26-08-2025	10:00:00	29.9	29.3	28.9	79.7	78.7	77.8	78.3	1003.4	232.1	29.3	10.2	2.6	0
26-08-2025	11:00:00	31.8	30.8	29.2	78.6	73.8	70	196.4	1004.4	237.5	28	9.6	2	0
26-08-2025	12:00:00	33.4	32.8	32.1	67.2	65.5	63.4	216.3	1004.3	227.5	29.3	8.5	2.6	0
26-08-2025	13:00:00	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
26-08-2025	14:00:00	29.7	27.7	26.5	90.2	86.5	77.8	64.2	1002.1	226.4	35.3	8.7	2	2
26-08-2025	15:00:00	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
26-08-2025	16:00:00	29.2	28.7	28.2	87.3	86.7	86.2	41.8	1001.6	234.5	14	6.7	2	0
26-08-2025	17:00:00	29.8	28.9	28	89.9	88.2	85.2	48.3	1001.1	233.1	24	7	1.3	0
26-08-2025	18:00:00	29.4	28.6	27.3	89	85.9	84.4	13.5	1001.5	239	27.3	7.7	1.3	0
26-08-2025	19:00:00	28.8	27.8	26.7	93.3	91.3	88.7	9.8	1001.5	231.7	14.6	3.7	0	0
26-08-2025	20:00:00	28.2	27.4	26.5	95	93.8	92.5	6.5	1002.2	235	8	1.7	0	0
26-08-2025	21:00:00	28.4	27.3	26.4	95.5	94.9	94.3	6.7	1003.1	214.4	6.6	1.3	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
26-08-2025	22:00:00	28.2	27.3	26.5	95.5	95.1	94.6	5.9	1003.4	223.7	16	5.6	1.3	0
26-08-2025	23:00:00	28.1	27.1	26.3	95	93.9	92.8	4.5	1003.6	226.7	18	7	2	0
27-08-2025	00:00:00	27.7	27.2	26.6	90.5	89.4	88.3	0	1000.3	225.7	23.3	6.7	1.3	0
27-08-2025	01:00:00	27.6	27	26.5	91.5	90.8	89.9	0	1000.2	224.8	22	6.9	1.3	0
27-08-2025	02:00:00	27.7	27.1	26.6	91.1	90	88.9	0	999.8	227	21.3	8	2	0
27-08-2025	03:00:00	27.8	27.1	26.6	89.7	88.9	88.1	0	999.4	227.1	24	7.4	0.6	0
27-08-2025	04:00:00	27.4	26.9	26.5	91	90.1	89.3	0	999.8	229.2	18.6	6.8	2	0
27-08-2025	05:00:00	27.3	26.7	26	92.3	91.3	90.4	0	999.4	220.7	16	6.6	2	0
27-08-2025	06:00:00	27.1	26.5	26	93.1	92.7	92.1	0	999.3	220.6	26	7.6	2	0
27-08-2025	07:00:00	27.7	26.7	26.1	93	92.1	89.3	4.9	1000	230.7	24	7.6	2	0
27-08-2025	08:00:00	28.8	28	27.1	89.5	85.5	83.1	25.7	1001.7	233.6	27.3	8.6	2.6	0
27-08-2025	09:00:00	29.9	28.9	27.5	86.1	81.4	77.8	93.4	1002.7	231.5	32	10.4	3.3	0
27-08-2025	10:00:00	29.9	29.3	28.9	79.7	78.7	77.8	78.3	1003.4	232.1	29.3	10.2	2.6	0
27-08-2025	11:00:00	31.8	30.8	29.2	78.6	73.8	70	196.4	1004.4	237.5	28	9.6	2	0
27-08-2025	12:00:00	33.4	32.8	32.1	67.2	65.5	63.4	216.3	1004.3	227.5	29.3	8.5	2.6	0
27-08-2025	13:00:00	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
27-08-2025	14:00:00	29.7	27.7	26.5	90.2	86.5	77.8	64.2	1002.1	226.4	35.3	8.7	2	2
27-08-2025	15:00:00	29.3	28.2	27.1	90.3	88.8	86.5	82.6	1001.5	219.3	26.6	8.5	2.6	0
27-08-2025	16:00:00	29.2	28.7	28.2	87.3	86.7	86.2	41.8	1001.6	234.5	14	6.7	2	0
27-08-2025	17:00:00	29.8	28.9	28	89.9	88.2	85.2	48.3	1001.1	233.1	24	7	1.3	0
27-08-2025	18:00:00	29.4	28.6	27.3	89	85.9	84.4	13.5	1001.5	239	27.3	7.7	1.3	0
27-08-2025	19:00:00	28.8	27.8	26.7	93.3	91.3	88.7	9.8	1001.5	231.7	14.6	3.7	0	0
27-08-2025	20:00:00	28.2	27.4	26.5	95	93.8	92.5	6.5	1002.2	235	8	1.7	0	0
27-08-2025	21:00:00	28.4	27.3	26.4	95.5	94.9	94.3	6.7	1003.1	214.4	6.6	1.3	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
27-08-2025	22:00:00	28.2	27.3	26.5	95.5	95.1	94.6	5.9	1003.4	223.7	16	5.6	1.3	0
27-08-2025	23:00:00	28.1	27.1	26.3	95	93.9	92.8	4.5	1003.6	226.7	18	7	2	0
28-08-2025	00:00:00	27.6	26.9	26.2	93.4	92.9	92.4	3.1	1003.7	225.1	22	7.6	2.6	0
28-08-2025	01:00:00	27.5	26.7	26.2	93.1	92.6	92.1	1.8	1003.3	223.5	22.6	8	3.3	0
28-08-2025	02:00:00	27.3	26.7	26.1	92.7	92.2	91.7	1.1	1002.7	218.5	29.3	8.4	2.6	0
28-08-2025	03:00:00	27.3	26.7	26.2	92.7	92.1	90.8	0.2	1002	220.9	24.6	7.8	1.3	0
28-08-2025	04:00:00	27.3	26.7	26.1	91.1	90.3	89.8	0	1001.7	228.1	22.6	7.2	0.6	0
28-08-2025	05:00:00	27.1	26.5	26	91.7	90.9	90.3	0	1001.6	232	17.3	5.6	0.6	0
28-08-2025	06:00:00	27	26.5	26.1	91.9	91.2	90.5	0	1001.9	234.7	19.3	6.1	1.3	0
28-08-2025	07:00:00	27.1	26.5	26.1	91.2	90.7	90.1	2.2	1002.7	228	16.6	6.5	2	0
28-08-2025	08:00:00	28.6	28	27.2	87.2	85.6	84.3	58.8	1004.4	233.7	22.6	9	3.3	0
28-08-2025	09:00:00	28.1	27.3	26.3	94.7	94.3	93.8	13.1	1002.8	264.5	14.6	3.6	0	0
28-08-2025	10:00:00	28.2	27.3	26.5	94.8	94.2	93.6	15.1	1002.7	251.2	12	2.6	0	0
28-08-2025	11:00:00	29.4	28	26.9	94	92	87.4	52	1003.1	246.1	10	2.3	0	0
28-08-2025	12:00:00	30.6	29.5	28.3	87.5	82.8	78.3	96.8	1003.3	257.2	13.3	3.4	0	0
28-08-2025	13:00:00	33.6	31.4	30	79.1	74	64.9	176.9	1003.5	249	14.6	3.4	0	0
28-08-2025	14:00:00	33.4	32.8	32.1	69.2	66.6	64.5	183.2	1002.7	265.8	16.6	3.4	0	0
28-08-2025	15:00:00	33	31.1	29.4	82.3	75.6	66.2	82.5	1001	331.2	20.6	4.6	0	0
28-08-2025	16:00:00	31.6	31	30.4	77.4	76.1	74.9	47.7	1000	334	15.3	2.9	0	0
28-08-2025	17:00:00	31.3	30.9	30.4	79.4	78.3	76.9	27.8	999.7	344	5.3	0.3	0	0
28-08-2025	18:00:00	31.2	30.6	30.1	83	80.6	78.6	16.7	999.7	166.7	10.6	0.7	0	0
28-08-2025	19:00:00	30.4	29.7	29	86.3	84.6	82.5	3.3	999.9	195.8	18	5.7	1.3	0
28-08-2025	20:00:00	29.4	28.9	28.4	89.1	87.6	86	0	1000.4	199.5	19.3	6	1.3	0
28-08-2025	21:00:00	29.1	28.7	28.3	90.3	89.5	88.8	0	1001.5	207.8	14.6	5.9	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
28-08-2025	22:00:00	29.1	28.7	28.3	90.1	88.9	88	0	1001.9	218.5	13.3	5.3	2	0
28-08-2025	23:00:00	29.2	28.5	28.1	88.5	88.1	87.2	0	1001.9	229.7	14	5	0	0
29-08-2025	00:00:00	26.3	24.9	23.8	93.7	92	90.3	7.5	1002.1	74.3	24	4.2	1.3	17
29-08-2025	01:00:00	25.9	24.7	23.7	97.2	95.6	93.4	7.3	1000.7	231.9	19.3	2.9	0	3
29-08-2025	02:00:00	26.3	25.1	24	100	98.1	96.6	7.1	999.3	241.9	9.3	3.2	0	0
29-08-2025	03:00:00	26.9	25.7	24.6	103.1	101	99.1	6.5	998.6	236.6	12	3.2	0	0
29-08-2025	04:00:00	27.1	26.1	25.1	102.4	100	98.8	6.2	998.9	239.2	9.3	0.9	0	0
29-08-2025	05:00:00	27.6	26.4	25.4	102.9	100.5	99.1	5.2	999.2	240.9	8	2.6	0	0
29-08-2025	06:00:00	27.7	26.8	25.7	104.5	102.3	99.8	3.9	999.9	260	12.6	2.6	0	0
29-08-2025	07:00:00	27.6	26.7	25.8	101.1	98	96	4.4	1000.6	263.1	13.3	3.3	0.6	0
29-08-2025	08:00:00	27.8	26.8	25.9	96.6	96	95.6	14.1	1001.5	318.2	9.3	1.6	0	0
29-08-2025	09:00:00	28.5	27.7	26.3	96.3	94.9	93.4	28.4	1002.6	298.8	8	0.9	0	0
29-08-2025	10:00:00	27.7	26.8	25.7	104.5	102.3	99.8	3.9	999.9	260	12.6	2.6	0	0
29-08-2025	11:00:00	32.8	31.8	30.4	76.7	69.9	66	242.7	1004.4	307.6	16	3.7	0	0
29-08-2025	12:00:00	33.8	32.8	32	67.4	64.5	60.3	206.6	1004	296.3	18.6	3.5	0	0
29-08-2025	13:00:00	33.8	32.3	31.2	68.7	66	61.3	129.2	1003.2	330.5	14.6	4.2	0	0
29-08-2025	14:00:00	33.1	32.1	31.2	75.5	68.3	63.4	101.5	1002.3	206.9	16	1.8	0	0
29-08-2025	15:00:00	30.8	29.7	28.8	86.3	83.3	80.3	19.7	1001.5	131.6	21.3	8.5	0.6	0
29-08-2025	16:00:00	29.4	28.7	27.5	91.4	87.9	86.1	12.1	999.9	197.5	14	5.6	1.3	1
29-08-2025	17:00:00	29.5	28.5	27.4	94.2	93.4	91	46.8	999.2	213.2	13.3	4.9	0	0
29-08-2025	18:00:00	29.3	28.6	27.9	93.9	93.1	92.3	30.2	999.9	215.8	12	4.6	0	0
29-08-2025	19:00:00	28.6	28.1	27.5	93.6	93	92.6	8.4	1000.4	204.8	14.6	5.3	0.6	0
29-08-2025	20:00:00	28.4	27.8	27.4	94.6	94.1	93.3	0	1001.3	198.9	13.3	4.8	0	0
29-08-2025	21:00:00	28.5	27.9	27.4	94.7	94.2	93.8	0	1001.3	208.2	16.6	6.9	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
29-08-2025	22:00:00	28.4	27.8	27.3	95.1	94.6	94	0	1001.9	217.9	20.6	7.4	1.3	0
29-08-2025	23:00:00	28.2	27.8	27.5	94.2	93.3	92.4	0	1002.5	222	26	8.4	2	0
30-08-2025	00:00:00	28.2	27.8	27.5	92.9	92.4	91.9	0	1002.8	228.1	22	7.8	2.6	0
30-08-2025	01:00:00	28.1	27.8	27.4	93.4	92.9	92.4	0	1002.2	223.5	19.3	6.9	1.3	0
30-08-2025	02:00:00	28	27.6	27.3	92.8	91.5	90.4	0	1001.9	232.5	19.3	6.2	1.3	0
30-08-2025	03:00:00	28.4	27.4	26.3	92.9	91.1	89.9	3.9	1001.6	233.8	14.6	5	0.6	0
30-08-2025	04:00:00	28.2	27.1	26.2	93.4	93	92.5	4.7	1000.9	237.9	10	2.8	0	0
30-08-2025	05:00:00	27.9	27.1	26.5	93.4	92.8	92.1	0.2	1001.2	241.6	5.3	0.6	0	0
30-08-2025	06:00:00	28.2	26.9	25.7	94.2	92.6	91.7	6.4	1001.6	241	10	1.6	0	0.5
30-08-2025	07:00:00	27.9	26.7	25.7	96.1	94.9	93.7	8.5	1002.7	235	9.3	3.6	0	0
30-08-2025	08:00:00	28.1	27.1	25.9	96.8	96.1	95.2	14.6	1003.6	236.1	10	4.4	0.6	0
30-08-2025	09:00:00	28.9	27.7	26.4	95.8	93.2	90.7	34.1	1003.7	237.5	10.6	3.1	0	0
30-08-2025	10:00:00	31.9	30.2	27.6	91.1	80.6	72.6	165.6	1005.2	260.8	17.3	4.5	0	0
30-08-2025	11:00:00	31.3	30.6	29.8	78.1	75.9	73.7	114.1	1005.3	257.2	14.6	3.4	0.6	0
30-08-2025	12:00:00	33.1	32.2	30.6	75	68.4	64.5	202.6	1005.8	252.5	19.3	3.7	0	0
30-08-2025	13:00:00	34	32.9	31.8	67.9	64.2	59.5	171.4	1005.6	251.1	12.6	3.5	0	0
30-08-2025	14:00:00	33.8	32.2	29	80.1	67.8	60.7	78.8	1004.6	320.9	23.3	2.2	0	0
30-08-2025	15:00:00	29.8	27.7	26.2	94	89.1	79.6	17.6	1002.8	22.9	23.3	2	0	17.5
30-08-2025	16:00:00	28.6	27.4	26.3	94.7	94.1	93.3	56.8	1002.1	230.8	16	4.9	0	0.5
30-08-2025	18:00:00	30	28.8	28	91.5	89.9	88.5	18	1002.9	204.4	8.6	1	0	0
30-08-2025	19:00:00	29.3	28.4	27.4	93.5	92.1	91.1	5.2	1003	216.6	10.6	4.3	0.6	0
30-08-2025	20:00:00	29	27.8	26.7	95.6	94.4	93.1	7.4	1003.2	198.4	12.6	5.5	1.3	0
30-08-2025	21:00:00	28.4	27.4	26.3	96.8	96	95.1	7.2	1003.2	204.8	14.6	5.4	0.6	0
30-08-2025	22:00:00	28.8	27.4	26.3	98.2	97.2	96.4	6.9	1003.8	214.4	18.6	5.4	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
30-08-2025	23:00:00	28.3	27.2	26.3	98	96.9	95.9	5.5	1004.2	220.5	17.3	6.6	2.6	0
31-08-2025	00:00:00	28.1	27.2	26.3	96.5	95.9	95.5	4.4	1004.1	224.2	18.6	6.8	2	0
31-08-2025	01:00:00	28.2	27.2	26.4	96	95.6	95.2	3.7	1003.6	232.4	18.6	7.2	2	0
31-08-2025	02:00:00	28	27.2	26.5	96	95.6	95.2	3.3	1003.1	233.4	18	7	2	0
31-08-2025	03:00:00	28.2	27.1	26.4	96.2	95.7	95.3	2.6	1002.8	234.8	14.6	5.7	1.3	0
31-08-2025	04:00:00	28	27	26.3	95.8	95.3	94.9	2.2	1002.6	230.5	12	2.7	0	0
31-08-2025	05:00:00	27.8	27	26.3	95.9	95.4	94.9	1.9	1002.8	236.1	8.6	2.9	0	0
31-08-2025	06:00:00	27.6	26.9	26.2	96.6	95.9	95.5	1.8	1003	234.3	8	3.1	0	0
31-08-2025	07:00:00	27.6	26.8	26.1	97	96.5	96.1	3	1003.4	234.7	9.3	1.7	0	0
31-08-2025	08:00:00	27.9	27	25.7	97.2	96.5	95.7	11.2	1004.1	221.1	8	2.2	0	0
31-08-2025	09:00:00	28.1	27.4	26.5	96.1	94.5	92.4	20.6	1004.9	226.8	12.6	3	0	0
31-08-2025	10:00:00	29.3	28.2	27.1	92.7	87.7	82.7	65.7	1005.4	237.2	17.3	5.8	0.6	0
31-08-2025	11:00:00	30.2	29.4	28.4	83.1	79.9	77.2	108.5	1005.6	242.3	17.3	5.8	1.3	0
31-08-2025	12:00:00	31.2	30.3	29.6	77.9	76.1	73.9	139.2	1005.9	240.6	19.3	5.7	1.3	0
31-08-2025	13:00:00	32.8	31.8	30.6	74.2	70	65.3	206.8	1005.9	237.2	16.6	5.5	0.6	0
31-08-2025	14:00:00	33.9	33.1	32.2	68.3	64.7	61.3	227.6	1005.2	210.8	22.6	3.8	0	0
31-08-2025	15:00:00	32.7	31	30	79.1	75.5	67.9	123.8	1003.7	196.2	28.6	8.5	3.3	0
31-08-2025	16:00:00	30.6	28.5	26	92.6	85.2	78.6	38.8	1002.3	257.6	34.6	3.1	0.6	6.5
31-08-2025	17:00:00	28.7	27.3	26.1	95.3	94.2	92.1	26.3	1001.5	218.4	8	1.3	0	0.5
31-08-2025	18:00:00	28.9	28	27	95.3	93.4	91.5	24.8	1001.5	214.4	18	6.4	0.6	0
31-08-2025	19:00:00	29.1	27.9	27.1	91.9	90.5	89.8	9.3	1001.5	233.4	18	5.4	0.6	0
31-08-2025	20:00:00	28.6	27.6	26.9	91.5	90.9	90.2	2.1	1001.7	224.9	12.6	5	0.6	0
31-08-2025	21:00:00	28.4	27.5	26.4	93.1	91.3	90.4	3.5	1002.1	228.5	14.6	5.2	1.3	0
31-08-2025	22:00:00	28.6	27.4	26.3	93.7	93.2	92.4	7.3	1002.6	230.3	16	5.5	0.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
31-08-2025	23:00:00	28.5	27.3	26.4	93.5	90.6	86.6	5.7	1003.1	235.7	19.3	7.3	2	0
01-09-2025	00:00:00	28.5	27.2	26.5	88.5	87.6	86.3	3.4	1002.6	237.9	10	3.9	0	0
01-09-2025	01:00:00	28.4	27.3	26.6	88.5	87.1	85.6	2.1	1002.1	237.8	18	6.5	2	0
01-09-2025	02:00:00	28.2	27.2	26.5	88	86.6	85.5	1.2	1001.6	232.2	12.6	4.9	1.3	0
01-09-2025	03:00:00	27.6	26.9	26.3	89.5	88.6	87.6	0.2	1001.2	231.3	13.3	3.6	0	0
01-09-2025	04:00:00	27.4	26.7	26.2	89.8	89.3	88.8	0	1001.2	236.6	13.3	3.5	0	0
01-09-2025	05:00:00	27.8	26.9	26.3	89	86.4	85.5	0	1000.4	237.9	15.3	5.8	1.3	0
01-09-2025	06:00:00	27.4	26.5	26	88.7	87.6	85.9	0	1000.2	233.6	11.3	4.6	0.6	0
01-09-2025	07:00:00	27.2	26.4	25.9	89.5	88.2	87.4	1.5	1000.8	227.4	10	3.6	0.6	0
01-09-2025	08:00:00	28.1	26.9	26.1	90.2	89.1	86.4	34.6	1001.6	228.9	10	3.7	0	0
01-09-2025	09:00:00	29.8	29.4	27.5	86.9	75.7	74.8	140.4	1003.7	243.8	26	6.8	0	0
01-09-2025	10:00:00	31.4	30	29.2	76.2	73.5	69.6	171.1	1003.3	238.9	23.3	8.5	2.6	0
01-09-2025	11:00:00	33	31.9	31	69.6	65.8	62.8	208.5	1003.8	247	19.3	5.5	1.3	0
01-09-2025	12:00:00	32.4	31.4	30.7	70.2	67.5	64.5	135.8	1003.1	243.4	16	5.9	1.3	0
01-09-2025	13:00:00	34	32.6	31.2	68.8	63.1	58.7	244.5	1002.9	242.2	21.3	6.1	0.6	0
01-09-2025	14:00:00	35	33.6	32.5	63.8	59	53.8	180.8	1002.2	242.9	18	4.8	1.3	0
01-09-2025	15:00:00	33.1	32	30.2	75.9	68.4	62.5	137.5	1000.6	233.3	27.3	5.5	0	0
01-09-2025	16:00:00	33.2	32	30.6	73.4	68.6	64.7	160.1	1000	233.7	23.3	8	2	0
01-09-2025	17:00:00	32	31.1	30.4	74	72.5	70.7	106.3	999.2	236.3	22.6	8.1	2	0
01-09-2025	18:00:00	31.5	30.7	30	76.2	74.4	72.5	35.7	998.9	234.7	22.6	7.8	2.6	0
01-09-2025	19:00:00	30.4	29.8	29.2	79.5	77.2	74.5	1	999	236.7	18	6.6	2	0
01-09-2025	20:00:00	29.9	29.4	29	79.8	79	78.3	0	999.5	234.2	18	6.7	2	0
01-09-2025	21:00:00	29.6	29.1	28.6	79.9	78.8	77.1	0	1000.3	236.9	25.3	6.5	1.3	0
01-09-2025	22:00:00	29.3	28.6	28	79.9	78.2	77.3	0	1001.2	238.8	22.6	7.2	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
01-09-2025	23:00:00	28.6	28.1	27.5	80.1	79	77.5	0	1001.4	240.7	19.3	5.6	1.3	0
02-09-2025	00:00:00	28	27.6	27.2	82.1	80.8	79.4	0	1001.6	239.2	16	5.1	0.6	0
02-09-2025	01:00:00	27.8	27.3	26.7	84.8	82.9	81.6	0	1001.5	233.7	12	3.7	0	0
02-09-2025	02:00:00	27.6	27.2	26.8	84.7	83.4	82.7	0	1001	235.6	16.6	4.4	0.6	0
02-09-2025	03:00:00	27.5	26.9	26.3	86.6	84.8	83.6	0	1000.5	236.7	13.3	3.5	0.6	0
02-09-2025	04:00:00	27	26.4	25.9	90.5	88.1	86.2	0	999.9	202.8	9.3	2.6	0	0
02-09-2025	05:00:00	26.6	26.2	25.8	93	91.7	90.1	0	999.9	193.5	7.3	1.3	0	0
02-09-2025	06:00:00	26.5	25.9	25.5	95	93.7	92.5	0	1000	213.8	6.6	2.4	0	0
02-09-2025	07:00:00	26.5	25.8	25.3	95.5	95	94.4	0.3	1000.5	245.3	7.3	1.4	0	0
02-09-2025	08:00:00	28.1	27	26	94.6	91.8	87.8	24.3	1001.7	254.4	10.6	2.4	0	0
02-09-2025	09:00:00	30.4	29.1	27.6	88	81.2	74.5	89.9	1002.9	244	16	5	1.3	0
02-09-2025	10:00:00	32.2	31.5	30	74.7	68.9	64.9	168.6	1004.7	271.4	20.6	3.7	0	0
02-09-2025	11:00:00	33	32.3	31.4	67.7	64.2	62.1	191.6	1004.7	283.7	21.3	4.3	1.3	0
02-09-2025	12:00:00	34.3	32.7	31.8	65.4	62.4	57.5	208.9	1004.5	268.8	16.6	3.6	0.6	0
02-09-2025	13:00:00	36.2	34.8	33.8	58.2	54.8	49.8	279.8	1004.4	271.7	15.3	3.2	0	0
02-09-2025	14:00:00	35.9	34.8	33.9	58.6	54.6	50.4	233	1003.2	240.3	23.3	4.2	0	0
02-09-2025	15:00:00	36.3	33.9	31	73.4	58.2	46.6	215.7	1002.2	169.3	21.3	5	0	0
02-09-2025	16:00:00	32.2	31.3	30.8	75.3	73	70.2	96.7	1000.4	167.3	23.3	6.9	1.3	0
02-09-2025	17:00:00	32	30.7	29.2	83.1	79.5	72.4	89.3	999.7	164.3	26	6.7	1.3	0.5
02-09-2025	19:00:00	30.4	29.6	28.6	84.9	83.5	82.5	7.1	1000.1	229.4	16.6	7.3	1.3	0
02-09-2025	20:00:00	30.2	29.3	28.6	84.2	83.4	82.4	4.6	1000.4	223.9	14.6	5.1	1.3	0
02-09-2025	21:00:00	29.9	29	28.4	84.9	84.1	83.7	2.2	1001.5	225.3	15.3	6.2	0.6	0
02-09-2025	22:00:00	29.8	29	28.4	85.4	82.7	77.8	0.5	1002.4	235	14.6	5.7	1.3	0
02-09-2025	23:00:00	29.3	28.5	27.8	78	75.9	74.7	0	1002.6	239.5	24.6	6.8	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
03-09-2025	00:00:00	28.4	27.9	27.4	81	79.1	76.7	0	1002.9	237.9	15.3	5.8	1.3	0
03-09-2025	01:00:00	28.2	27.5	26.9	83.6	82.2	80.6	0	1002.3	243.7	16	5	1.3	0
03-09-2025	02:00:00	27.6	27.1	26.7	85.9	84.4	83.1	0	1001.5	244.4	16	5.3	0.6	0
03-09-2025	03:00:00	27.5	27	26.7	86.1	85.4	84.8	0	1001.3	247.8	14.6	4.6	0.6	0
03-09-2025	04:00:00	27.4	26.9	26.5	86.5	85.6	85.1	0	1001.1	243.2	18	5.1	1.3	0
03-09-2025	05:00:00	27.3	26.8	26.3	88.3	86.8	85.9	0	1001.3	235.3	12	4.7	0.6	0
03-09-2025	06:00:00	27.1	26.6	26.3	90	88.9	87.8	0	1001.8	235.8	12	3.6	0	0
03-09-2025	07:00:00	27.1	26.6	26.3	90.1	89.6	89.3	0	1002.3	239.4	10.6	2.2	0	0
03-09-2025	08:00:00	27.8	26.9	26.3	90	89.1	86.7	15.6	1003.2	251.4	7.3	1.6	0	0
03-09-2025	09:00:00	30.2	29.4	27.3	87.1	76.9	74.5	122.6	1004.8	305.8	14.6	3.9	0	0
03-09-2025	10:00:00	31.6	30.8	29.8	74.6	68.7	64.8	176.4	1005.2	321.6	22.6	5.9	2	0
03-09-2025	11:00:00	32.8	32.1	30.5	67.2	62.2	59.1	242	1005.8	331.4	24	7.2	2	0
03-09-2025	12:00:00	34.2	33	31.9	61.4	57.6	54.4	275.4	1005.3	332.6	20	7.4	0.6	0
03-09-2025	13:00:00	34.2	33.2	32.4	63.5	60.2	53.6	280.9	1004.8	36.8	19.3	5.1	0.6	0
03-09-2025	14:00:00	34.5	33	31.3	67	61.6	56.8	268.2	1004.1	64.2	19.3	5.4	1.3	0
03-09-2025	15:00:00	34.2	31.8	30.6	71.5	67	57.8	139	1002.8	134.8	22	6	1.3	0
03-09-2025	16:00:00	33.5	32.8	32	66.2	63.1	60.1	249.1	1002.3	180.7	22.6	7.2	2	0
03-09-2025	17:00:00	33.4	32.1	31.2	68.7	65.9	61.6	185	1001.3	200.7	26	9.4	2.6	0
03-09-2025	18:00:00	31.8	30.7	29.7	75.5	71.2	66.7	67.9	1000.7	200.7	24.6	10.1	4	0
03-09-2025	19:00:00	30.4	29.8	29.1	78.7	76.2	74.6	10.8	1000.4	203.2	27.3	9.9	3.3	0
03-09-2025	20:00:00	29.8	29.4	29	81	79.9	78.3	0	1001.1	200.5	22	8.3	3.3	0
03-09-2025	21:00:00	29.7	29.3	28.9	81	80.4	79.9	0	1001.7	208.5	19.3	6.2	2	0
03-09-2025	22:00:00	29.6	29.1	28.7	81	80.1	79.4	0	1002.2	227	16	6.2	1.3	0
03-09-2025	23:00:00	29.7	29.1	28.6	81.6	78.5	75.1	0	1002.6	239.9	18.6	6.8	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
04-09-2025	00:00:00	29.8	28.7	27	82.7	78.3	75	4.2	1002.5	244.9	20	6.2	1.3	0
04-09-2025	01:00:00	28.9	27.7	25.5	88.3	82.5	79.7	7.8	1002.2	310	44	5	2	1
04-09-2025	02:00:00	27.2	25.7	24.6	94.4	92.1	88.1	8	1001.6	4.4	22.6	4.8	1.3	6.5
04-09-2025	03:00:00	27.2	26	24.9	94.6	93.8	93	7.8	1000.9	335.3	32	4	0	0.5
04-09-2025	04:00:00	26.7	25.5	24.5	96.5	95.1	93.8	8.4	1000.6	235.9	8	2.7	0	2
04-09-2025	05:00:00	26.5	25.4	24.3	98.6	97	95.9	8.3	1000.3	226.4	8	2.4	0	0
04-09-2025	06:00:00	26.5	25.3	24.1	102.7	99.2	97.5	8.3	1000.8	234.7	8.6	3.1	0	0
04-09-2025	07:00:00	26.7	25.5	24	107.6	105.2	100.8	9.3	1001.5	241.4	9.3	2.9	0	0
04-09-2025	08:00:00	27.3	26	24.6	107.3	103.9	98.6	23.3	1002.3	243.3	10	2.8	0	0
04-09-2025	09:00:00	28.3	27	25.2	99.7	96.1	91.4	61.1	1003	245.1	14	4.8	0.6	0
04-09-2025	10:00:00	28.9	28.3	27.1	91.8	85.6	84.9	33.9	1004.1	269.4	17.3	3.7	0.6	0
04-09-2025	11:00:00	29.3	28.2	27.4	86.3	85.2	83	51.3	1003.8	259.8	15.3	3.6	0	0
04-09-2025	12:00:00	31	30	28.4	83.3	77.9	74.2	147.6	1003.8	282.4	26.6	4.2	0.6	0
04-09-2025	13:00:00	31.4	30.5	29.2	79.1	75.2	72	112.3	1003.6	294.3	15.3	3.7	1.3	0
04-09-2025	15:00:00	27.5	26.5	25.3	102.3	100.7	99.1	17	1001.3	306	16.6	4.6	1.3	8.5
04-09-2025	17:00:00	27.7	26.7	25.5	107.4	106.6	105.9	10.5	1000.5	239.5	15.3	5.8	2	6.5
04-09-2025	18:00:00	27.7	26.5	25.3	107.4	106.7	106	8.5	999.4	240.7	18.6	6.4	2	1.5
04-09-2025	19:00:00	27.3	26.2	25.1	107.5	106.7	105.7	8.2	999.4	240.4	20.6	7.6	2.6	2.5
04-09-2025	20:00:00	27.1	26.2	25.1	107.6	106.6	105.6	7.5	1000.2	239.4	27.3	8.3	2.6	1.5
04-09-2025	21:00:00	27.3	26.2	25.1	107.4	106.7	105.7	6.7	1000.5	240	25.3	8.8	2.6	0
04-09-2025	22:00:00	27.3	26.3	25.2	108	106.6	104.8	6.4	1001.1	240.2	24	8.3	3.3	0
04-09-2025	23:00:00	27.7	26.7	25.7	107.6	97.4	93.5	5.7	1001.4	242.8	24	8	3.3	0
05-09-2025	00:00:00	27.7	26.5	25.2	93.9	92.2	89.5	5.7	1001.6	273.8	24	3.9	2	0
05-09-2025	01:00:00	26.9	25.9	25	90.7	89.9	89.3	5.5	1000.8	273.6	18.6	3.9	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
05-09-2025	02:00:00	26.5	25.7	25	90.2	89.6	89.1	3.5	999.8	314.9	17.3	5	2	0
05-09-2025	03:00:00	26.5	25.7	25	89.8	88.8	87	2.6	999.7	335	20	7.8	1.3	0
05-09-2025	04:00:00	26.4	25.2	24.1	92.2	90	86.7	6.9	1000.1	325.5	24	5	0	0
05-09-2025	05:00:00	26.2	25.1	24.2	91.8	88.5	86.2	6.9	1000.6	324.6	12.6	3.6	0	0
05-09-2025	06:00:00	26.3	25.1	24.2	90.2	89.2	87.8	6.3	1001.2	317.3	8	2.1	0	0
05-09-2025	07:00:00	25.9	25	24.1	91.7	90.2	88.7	5.5	1001.6	252.7	8	1.7	0	0
05-09-2025	08:00:00	25.8	24.9	23.9	91.9	91.4	90.9	10.5	1002.2	258.1	8	2.5	0	0
05-09-2025	09:00:00	26.7	25.3	24.1	91.9	90.7	88.5	28.8	1003.2	254.3	11.3	2.7	0	0
05-09-2025	10:00:00	28	26.5	25.3	89.1	88.4	87.6	57.4	1003.9	247.4	12	4	0	0
05-09-2025	12:00:00	29.8	29	27.8	86.2	81.9	79.6	107.4	1004.5	256.1	20	4.2	1.3	0
05-09-2025	13:00:00	30.6	29.7	28.8	80.5	78.9	76.9	105.5	1003.5	255.7	20.6	5	1.3	0
05-09-2025	15:00:00	31.2	30.4	29.8	79.6	77.7	74.5	106	1002.7	244.7	18.6	6.5	1.3	0
05-09-2025	16:00:00	32.5	31.3	30.1	78.1	74.2	70.6	179.8	1001.7	239.5	24.6	8.3	2.6	0
05-09-2025	17:00:00	30.8	30.5	29.9	79.8	78.9	78.3	58.5	1000.7	240.7	22	7.9	2	0
05-09-2025	18:00:00	30.8	30.2	29.6	81	79.6	78.2	28.1	1000.4	238.5	18.6	8	2.6	0
05-09-2025	19:00:00	30.2	29.6	28.9	82.7	81.7	80.6	1.4	1001.1	238.4	14.6	6	1.3	0
05-09-2025	20:00:00	29.6	29	28.5	84.3	83.4	82.3	0	1001.6	234.5	14.6	5.7	2	0
05-09-2025	21:00:00	29.4	28.8	28.3	84.8	83.1	81.4	0	1001.9	238.5	24	7.2	2	0
05-09-2025	22:00:00	29	28.4	27.9	83.5	82.7	81.8	0	1002.9	244	24	7.5	1.3	0
05-09-2025	23:00:00	28.8	28.2	27.8	82.6	82	81.6	0	1003	242.4	26	7.5	1.3	0
06-09-2025	00:00:00	29	27.7	26.4	88.6	84.7	82	5.5	1003.2	329.5	28	2.1	0	0.5
06-09-2025	01:00:00	28.1	26.4	25.3	94.5	91.7	87.9	8.5	1002.4	135	14.6	1.4	0	5.5
06-09-2025	02:00:00	27.3	26.2	25.1	96.7	95.3	93.9	8	1002.1	215.6	6.6	2.7	0	1
06-09-2025	03:00:00	27.6	26.3	25.2	98.7	97.3	96.1	7.9	1001.8	233.9	11.3	3.8	0	1



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
06-09-2025	04:00:00	27.3	26.1	24.9	100.4	99	97.7	7.2	1000.8	234.7	16	5.6	0.6	0
06-09-2025	05:00:00	27.4	26.2	25	100.8	99.6	98.3	6.8	1001.2	235	16.6	5.2	1.3	0
06-09-2025	06:00:00	27.4	26.2	25.1	100	97.9	96.5	6.5	1001.3	245.4	17.3	5.4	1.3	0
06-09-2025	07:00:00	27.4	26.4	25.4	97	95.8	94.6	7.3	1001.4	240.6	12.6	3.9	0	0
06-09-2025	08:00:00	28.1	26.9	25.7	95.1	93.3	90.8	28.2	1002.4	228.1	10	3.2	0	0
06-09-2025	09:00:00	29.2	28.2	26.9	91.2	87.1	84.1	69.7	1003.6	231.2	13.3	5	0	0
06-09-2025	10:00:00	31.8	30.2	28.2	84.4	78.2	72.3	162.9	1004.5	226.5	16.6	5.7	0.6	0
06-09-2025	11:00:00	32.6	31.7	30.2	75.8	70.3	66.6	182.9	1005	235.6	16.6	5.3	1.3	0
06-09-2025	12:00:00	31.8	30	28	87.2	79.5	72.1	70	1004.6	245.7	16	3.6	0	0.5
06-09-2025	13:00:00	30.7	29.6	28.3	85.1	80.2	78	79.8	1004.1	253.8	16.6	3.7	0.6	0
06-09-2025	14:00:00	31.6	30.5	29	78.3	73.9	71.1	122.7	1003.7	257.5	17.3	3.7	0	0
06-09-2025	15:00:00	30.4	29.9	29.5	75.5	74.4	73.4	116	1002.7	245.1	20.6	5.9	2	0
06-09-2025	16:00:00	30.2	29.9	29.3	73.4	73	72.6	89.9	1002	259.3	16.6	5	3.3	0
06-09-2025	17:00:00	30.4	29.6	28.5	77.2	74.8	72.3	63.1	1001.6	250.4	20	5.6	2	0
06-09-2025	18:00:00	29.1	28.5	28	81.3	78.7	77	15.6	1001.4	249.3	20.6	4.9	0	0
06-09-2025	19:00:00	28.6	27.8	26.7	87.5	84.3	81	2.7	1001.7	248.3	12	3.3	0	0
06-09-2025	20:00:00	28.1	26.9	25.8	90.8	89.1	87	7.3	1002	236.5	20.6	5.4	0.6	0
06-09-2025	21:00:00	27.7	26.5	25.7	93.5	91.9	90.2	7.3	1002.3	234.8	14	6.4	2	0
06-09-2025	22:00:00	27.6	26.6	25.7	93.8	93	92.2	7	1002.5	228.5	20.6	6.9	1.3	0
06-09-2025	23:00:00	27.6	26.6	25.7	93.4	92.7	92.3	6.2	1003.1	231.6	17.3	4.6	0.6	0
07-09-2025	00:00:00	27.9	26.9	25.9	93.1	90.7	88.6	4.6	1003	222.4	17.3	6	2	0
07-09-2025	01:00:00	27.5	26.7	26	91.7	90.6	89.1	3.5	1002.6	221.9	18.6	6.4	1.3	0
07-09-2025	02:00:00	27.5	26.7	26	92	91.5	91	2.3	1002.1	230.8	17.3	6.3	2	0
07-09-2025	03:00:00	27.5	26.7	26	91.9	90.7	87.1	1.6	1001.8	232.9	22.6	6.5	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
07-09-2025	04:00:00	28.2	27	25.5	90.7	86.4	83.6	5.3	1001.5	243.5	26	8.2	2	0.5
07-09-2025	05:00:00	27.3	26.1	25.1	95	93	90.3	7.5	1000.9	241.4	18.6	6.4	2	0.5
07-09-2025	06:00:00	27.1	26	25.1	96.1	95.4	94.6	6.9	1001.2	233.8	20.6	7.4	2	0
07-09-2025	07:00:00	26.9	26	25	96.1	95.7	95.1	7.5	1001.2	234.2	25.3	7.9	2	0
07-09-2025	08:00:00	27.1	26.1	25.1	95.7	94.7	94.1	13.3	1001.9	225.8	25.3	6.9	2	0.5
07-09-2025	17:00:00	28.6	27.4	26.3	95.9	93.1	91.9	35	1001.5	211	27.3	5.7	0.6	0
07-09-2025	18:00:00	28.3	27.4	26.6	92.3	89.2	87	21.2	1001	217.4	17.3	6.8	2	0
07-09-2025	19:00:00	28.2	27.2	26.4	88.7	87.8	86.8	7.2	1001.3	204.2	18	6.9	2.6	0
07-09-2025	20:00:00	27.8	26.9	26.3	88.9	88.4	87.8	3.3	1001.9	203.5	16.6	7.3	2.6	0
07-09-2025	21:00:00	27.8	26.9	26.1	89.3	88.2	87.4	2.7	1002.9	213.4	16	5.9	2	0
07-09-2025	22:00:00	27.7	26.7	26.1	89.7	89.3	88.6	2.5	1003.6	208.3	15.3	6.2	1.3	0
07-09-2025	23:00:00	27.5	26.7	26.1	89.1	88.4	87.6	1.8	1004.2	213.9	22.6	7.3	2	0
08-09-2025	00:00:00	27.7	26.8	26.1	88.1	87.6	87.1	1.2	1004.2	216.7	22.6	8.3	2.6	0
08-09-2025	01:00:00	27.6	26.8	26.1	89	88	87.1	1.2	1003.6	216.4	22.6	7.9	3.3	0
08-09-2025	02:00:00	27.5	26.7	26	89.5	88.9	88.3	1.3	1003.2	221.4	26	8.3	2	0
08-09-2025	03:00:00	27.4	26.5	25.7	90.2	89.1	88.2	1.4	1002.4	220.1	21.3	8	2	0
08-09-2025	04:00:00	27.2	26.3	25.5	90.5	89.7	88.8	1.7	1001.6	220.1	24.6	8.3	2	0
08-09-2025	05:00:00	27	26	25.3	91.7	91	90	2.2	1001.3	220.9	21.3	8.3	2.6	0
08-09-2025	06:00:00	26.9	25.9	25.1	92.1	91.3	90.8	2.4	1001.3	206.7	24	8.4	2.6	0
08-09-2025	07:00:00	27.1	26.2	25.3	92	90.6	89	7.9	1001.9	218.6	22.6	8.1	2	0
08-09-2025	08:00:00	28.6	27.5	26	89.4	85.8	82	66.1	1003.4	227.5	28	8.5	2	0
08-09-2025	09:00:00	29.3	28.6	27.7	82.9	80.8	78.7	111.2	1004.7	228.3	33.3	10.2	3.3	0
08-09-2025	10:00:00	27.5	26.7	26.1	89.1	88.4	87.6	1.8	1004.2	213.9	22.6	7.3	2	0
08-09-2025	11:00:00	31.5	30.7	29.5	72.8	66.8	62.7	179.9	1006.1	225.5	44	13.9	3.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
08-09-2025	12:00:00	32.4	31.6	30.6	66.4	61.9	57.5	310.4	1005.8	222.6	49.3	14.5	4.6	0
08-09-2025	13:00:00	33.1	32.2	31.4	59.8	57.6	54.3	321.7	1005.8	226.4	40.6	13.9	5.3	0
08-09-2025	14:00:00	33.8	33	32.1	59	55.1	51.3	324.2	1005.3	223.4	37.3	12.8	4.6	0
08-09-2025	15:00:00	33.9	32.9	31.9	60.6	55.9	52	277.9	1004.6	224.7	34	12.4	4.6	0
08-09-2025	16:00:00	33	32	31.2	65.1	60.1	56	213.8	1004	211.4	32	12.3	4	0
08-09-2025	17:00:00	32.7	31.8	30.6	68.5	64.8	61.8	173.9	1003.6	203.2	34.6	11.4	3.3	0
08-09-2025	18:00:00	31.2	30.6	29.8	70.2	68.2	66.5	84.9	1003.5	209	30	10.6	3.3	0
08-09-2025	19:00:00	30	28.9	28	78	74.6	69.4	4.4	1003.3	203.3	26	9.9	3.3	0
08-09-2025	20:00:00	28.4	27.8	27.2	81	78.7	77.4	0	1003.7	211.6	28	8.3	3.3	0
08-09-2025	21:00:00	27.6	27.3	26.9	84.1	82.5	80.6	0	1004.6	213.1	23.3	7.4	2.6	0
08-09-2025	22:00:00	27.4	26.8	26.4	87.1	85.4	83.8	0	1005.4	210.8	16	4.9	0	0
08-09-2025	23:00:00	26.9	26.4	26	89.4	88.2	86.7	0	1005.6	206.3	14	5.2	1.3	0
09-09-2025	00:00:00	26.7	26.1	25.7	91.3	90	89	0	1005.5	214.9	11.3	4	1.3	0
09-09-2025	01:00:00	26.3	25.8	25.5	92.7	91.8	90.6	0	1005.1	216.7	12	3.9	0	0
09-09-2025	02:00:00	26.3	25.7	25.3	94	92.9	92.1	0	1004.9	228.4	10	4	0.6	0
09-09-2025	03:00:00	26.1	25.5	25.1	94.8	94.2	93.6	0	1004.6	238.8	8	2.1	0	0
09-09-2025	04:00:00	25.7	25.2	24.8	96	95.2	94.4	0	1004.4	244.2	2.6	0	0	0
09-09-2025	05:00:00	25.5	25	24.6	97	96.2	95.5	0	1004.7	244.5	0.6	0	0	0
09-09-2025	06:00:00	25.4	24.9	24.5	97.9	96.9	96.4	0	1005	0	0	0	0	0
09-09-2025	07:00:00	25.3	24.7	24.2	98.5	97.7	97	1.1	1005.2	243.9	4	0	0	0
09-09-2025	08:00:00	26.7	25.5	24.4	98.4	96.9	95.4	23.8	1006.1	240.2	6.6	2.2	0	0
09-09-2025	09:00:00	29.7	28.2	26.2	95.5	87.1	77.6	104.7	1007.9	225.2	20.6	5.2	0	0
09-09-2025	10:00:00	30.6	29.7	29.1	78.5	74	69.4	131.3	1008.8	222.7	18.6	6.1	0	0
09-09-2025	11:00:00	31.4	30.7	30.2	68.5	66.8	64.5	156.5	1009.3	210	20	7	1.3	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
09-09-2025	12:00:00	31.8	31.1	30.4	69.8	66.6	64.5	174.1	1008.9	209.8	21.3	6.9	2	0
09-09-2025	13:00:00	32.6	31	30.2	69.4	66.7	62.4	178.5	1008.1	205.2	26.6	7.9	2	0
09-09-2025	14:00:00	33.3	32.7	32.2	63.6	60.4	58	365.4	1007.9	193.3	30	9.7	3.3	0
09-09-2025	15:00:00	33.3	32.7	32.2	61	59.3	57.7	334	1007.4	188.6	28.6	10.1	4	0
09-09-2025	16:00:00	32.8	32.2	31.6	63	59.5	57.4	275	1007	196.1	30	11.5	4.6	0
09-09-2025	17:00:00	32	31.4	30.8	66.4	64	61.4	190.5	1006.7	197.7	34	12	4	0
09-09-2025	18:00:00	31.4	30.7	29.9	71.1	66.6	64	90.5	1006.7	202.2	24.6	9.4	2.6	0
09-09-2025	19:00:00	30.2	29.1	28.1	76	73.8	70.7	5.7	1006.6	203.8	21.3	8.4	3.3	0
09-09-2025	20:00:00	28.6	28	27.4	80.4	77.9	75.1	0	1006.8	206.9	20.6	6.9	2	0
09-09-2025	21:00:00	28	27.2	26.7	83.4	81.8	79.6	0	1007.2	219.3	16	5.9	1.3	0
09-09-2025	22:00:00	27.3	26.9	26.5	84.1	82.7	81.7	0	1007.6	215.7	16	6.6	1.3	0
09-09-2025	23:00:00	27	26.3	25.7	88.5	86.2	83.9	0	1007.5	235.8	13.3	4.2	1.3	0
10-09-2025	01:00:00	25.8	25.4	24.9	93.3	92.6	92.1	0	1007.2	232.3	7.3	3	0	0
10-09-2025	02:00:00	25.7	25.1	24.7	93.8	93.3	92.8	0	1006.7	229.8	6.6	1.6	0	0
10-09-2025	03:00:00	25.3	24.8	24.5	94.6	94	93.4	0	1006.7	230.1	6.6	1.3	0	0
10-09-2025	04:00:00	25.1	24.6	24.2	95.9	95	94.3	0	1006.4	230.3	6	0.9	0	0
10-09-2025	05:00:00	24.8	24.3	23.9	96.9	96.2	95.5	0	1006.7	230.6	6	1.7	0	0
10-09-2025	06:00:00	24.7	24.2	23.7	98.8	97.3	96.4	0	1007.1	231.4	7.3	2.8	0	0
10-09-2025	07:00:00	24.9	24.2	23.6	100	98.8	97.8	1.5	1007.6	236.8	7.3	3.2	0	0
10-09-2025	08:00:00	27.8	26	24	99.4	94.8	88	45.4	1008.9	236.5	13.3	4.3	0.6	0
10-09-2025	09:00:00	30.3	29.9	27.4	88.2	72.4	70.6	156.3	1011	216.1	16.6	7	2	0
10-09-2025	10:00:00	31.8	30.7	29.8	71.8	66.9	61.9	204.6	1010.8	227	20	7.7	2	0
10-09-2025	11:00:00	33.2	32.2	31.2	63.3	58.1	50.9	212.8	1011.2	225.4	20.6	6.7	1.3	0
10-09-2025	12:00:00	33.6	32.6	31.4	63.2	55.9	49	243	1010.9	203.1	18	5.1	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
10-09-2025	13:00:00	33.9	33	32.2	60.4	57.3	54.5	348.5	1010.4	190.4	24.6	7.3	2	0
10-09-2025	14:00:00	33.8	33.1	32.4	59.3	56.2	52.6	361.3	1009.4	151.3	26	7.8	2	0
10-09-2025	15:00:00	33.9	32.9	32	59.4	57.4	55	297.7	1008.9	173.4	26.6	7.6	0.6	0
10-09-2025	16:00:00	33.8	32.1	30.9	63.9	60.5	54.5	187.7	1007.9	156.9	26.6	7.2	2	0
10-09-2025	17:00:00	32.5	31.4	30.6	66.1	63.2	59.7	124.3	1007.3	161.6	22.6	6.9	0.6	0
10-09-2025	18:00:00	31.2	30.2	29.6	69.4	66.6	63.6	34	1006.4	183.5	17.3	5.9	1.3	0
10-09-2025	19:00:00	30	29.2	28.5	73.6	71.2	69.3	3.2	1006	197.3	15.3	6	2	0
10-09-2025	20:00:00	29	28.4	27.9	77.4	75.6	73	0	1006.6	200.9	16.6	6.9	2	0
10-09-2025	21:00:00	28.6	28	27.4	78.8	77.2	75.9	0	1006.9	205.2	14	5.5	1.3	0
10-09-2025	22:00:00	28	27.5	27.1	81	79.9	78.5	0	1007.3	210.8	16.6	5.6	1.3	0
10-09-2025	23:00:00	27.5	27.1	26.7	83.6	82.1	80.6	0	1007.5	213.8	16	6.5	2	0
11-09-2025	00:00:00	27.2	26.6	26.1	86.1	84.6	83	0	1007.1	223.9	17.3	6.8	2.6	0
11-09-2025	01:00:00	26.7	26	25.5	90	88	85.7	0	1006.7	231.7	13.3	5.2	1.3	0
11-09-2025	02:00:00	26.1	25.6	25.3	92.1	91.1	89.7	0	1006.2	233.6	8	3.3	0	0
11-09-2025	03:00:00	26.1	25.6	25.2	91.9	91.4	90.2	0	1005.6	237.1	8.6	3.6	0	0
11-09-2025	04:00:00	26.2	25.6	25.1	91.4	90.6	89.9	0	1005.3	243.9	7.3	2.8	0	0
11-09-2025	05:00:00	25.7	25.2	24.8	93.2	92.2	91.1	0	1005.3	232.6	8	2.3	0	0
11-09-2025	06:00:00	25.8	25.2	24.7	93.6	93	92.6	0	1005.5	245.8	7.3	2.4	0	0
11-09-2025	07:00:00	25.4	24.9	24.5	94.5	93.8	93.1	0.6	1006.6	255.6	6	0.8	0	0
11-09-2025	08:00:00	27.9	26	24.8	94.2	91.6	83.3	33.4	1007.4	238.1	9.3	1.8	0	0
11-09-2025	09:00:00	31.2	30.1	28.5	75.5	69	63.8	150.3	1009.9	242.7	14	4.2	0	0
11-09-2025	10:00:00	33.2	32.3	30.6	64.1	58.6	54.3	207	1010.6	234.6	14.6	3.7	0	0
11-09-2025	11:00:00	34.4	33.5	32.5	54	50.8	45.7	164.2	1010.7	227.6	15.3	3	0	0
11-09-2025	12:00:00	33.8	32.1	31.2	67.1	62.6	51.6	282.5	1009.8	107.2	21.3	6.8	2	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
11-09-2025	13:00:00	32.7	32.1	31.4	66.7	63.9	61.1	328.5	1009.4	107.3	20	7.5	1.3	0
11-09-2025	14:00:00	33.4	32.7	32	63.4	60.4	54.6	357.5	1008.8	117.1	21.3	8.2	2.6	0
11-09-2025	15:00:00	34	33	32.3	63.5	59.8	54.9	320.3	1008.4	132.9	22	7.6	2	0
11-09-2025	16:00:00	33.8	32.9	32.2	63.6	60.9	57.4	270.4	1007.5	166.3	23.3	8	2.6	0
11-09-2025	17:00:00	33.1	32.3	31.4	65.6	62.4	60	178.4	1007	191.3	20	7.3	2	0
11-09-2025	18:00:00	32.3	30.9	30	70	66.2	60.6	69.3	1006.4	197.4	25.3	8.1	2	0
11-09-2025	19:00:00	30.4	29.4	28.7	74.5	72.1	69.6	6.7	1006.2	198.8	23.3	8.9	2.6	0
11-09-2025	20:00:00	29.2	28.7	28.4	76.7	75.9	74	0	1006.5	200.9	21.3	8	2	0
11-09-2025	21:00:00	28.7	28.1	27.6	80.6	78.4	76.2	0	1007	208.6	19.3	6.8	2	0
11-09-2025	22:00:00	28.1	27.7	27.3	83.7	82	80.1	0	1007.3	212.9	17.3	6.9	2	0
11-09-2025	23:00:00	27.7	27.2	26.8	86.9	85.4	83.4	0	1007.3	223.3	18	6	1.3	0
12-09-2025	00:00:00	27.7	27	26.7	88.1	86.4	80.2	0	1007.2	237.1	18	5.9	2	0
12-09-2025	01:00:00	27.8	27.3	26.9	80.5	78.3	76.8	0	1007	244.5	15.3	5.6	1.3	0
12-09-2025	02:00:00	27.4	26.9	26.3	83	80.6	78.7	0	1006.6	244.6	15.3	4.2	0.6	0
12-09-2025	03:00:00	26.9	26.2	25.8	86.4	84.5	82.7	0	1005.8	241.9	13.3	4	0.6	0
12-09-2025	04:00:00	26.4	25.8	25.5	87.9	87.1	85.9	0	1005.4	247	14	3.5	0.6	0
12-09-2025	05:00:00	26.1	25.5	25.1	90.4	88.9	87.5	0	1005.4	245.8	10.6	3.6	0	0
12-09-2025	06:00:00	25.6	25.2	24.9	91.6	90.9	90	0	1005.8	245	8.6	3.5	0.6	0
12-09-2025	07:00:00	25.7	25.2	24.9	91.6	91.3	91	0.7	1006.6	247.7	9.3	2.7	0	0
12-09-2025	08:00:00	29	26.8	25.1	91.6	86.9	78	39.2	1008	237.5	8	1.1	0	0
12-09-2025	09:00:00	31.6	30.2	28.5	78	70.2	64.1	119.5	1010.1	275.4	10	1.2	0	0
12-09-2025	10:00:00	32.2	31.1	30.2	67.3	64.4	60.9	203.6	1010.9	337.5	16	5.2	0	0
12-09-2025	11:00:00	33.9	32.5	31.8	61.5	59.2	54.9	202.8	1010.9	352.4	18	4.9	0	0
12-09-2025	12:00:00	34.4	33.5	32.5	59.8	53.7	47.9	305.3	1010.9	4.2	20	5.4	0.6	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
12-09-2025	13:00:00	35	33.6	33	58.5	55.1	51.1	355.3	1010.4	21.9	21.3	4.6	0	0
12-09-2025	14:00:00	34.3	32.8	31.8	64	59.5	53.8	343.9	1009.5	58	24.6	8.8	2	0
12-09-2025	16:00:00	34.3	33.8	33	53.2	51.1	48.4	225.7	1008.4	61.6	13.3	5	0.6	0
12-09-2025	17:00:00	34.6	33.9	33.2	53.8	48.9	45.6	180.2	1007.5	68.1	11.3	2.8	0	0
12-09-2025	18:00:00	33.8	33.2	32.5	54.6	52.2	50.6	38.9	1007.2	113.5	0.6	0	0	0
12-09-2025	19:00:00	33	31.4	29.6	67.5	60.2	52.7	7.2	1006.7	180.4	6.6	0.3	0	0
12-09-2025	20:00:00	30	29.1	28.4	75.9	71.8	67.3	0	1006.5	214.1	9.3	3.4	0	0
12-09-2025	21:00:00	29.1	28.4	27.8	78	76.9	75.5	0	1006.8	221	12	4.5	0.6	0
12-09-2025	22:00:00	28.4	28	27.5	81.4	79.8	77.6	0	1007.2	216.5	12.6	5.2	0.6	0
12-09-2025	23:00:00	28.1	27.5	27.1	84	82.8	81	0	1007.2	229.7	10	4.2	0	0
12-09-2025	06:00:00	27	26.6	26.3	94.6	93.1	91.9	1.5	1007.9	235.7	12.6	5	0	0
12-09-2025	07:00:00	26.7	26.4	26.2	95.4	94.5	93.9	2.2	1008.5	224.2	12.6	1.8	0	0
12-09-2025	08:00:00	28.5	27	26.3	95.5	93.4	88.4	37.1	1009.6	236.7	5.9	0.1	0	0
12-09-2025	09:00:00	29.9	29	28.1	89.1	83.5	79.1	139.1	1011.3	248.6	13.9	2.5	0	0
12-09-2025	10:00:00	30.7	30	29.6	80.2	76.4	73.3	230.3	1011.9	244.6	17.9	5.1	0	0
12-09-2025	11:00:00	31.3	30.6	30.1	76.9	72.6	69.2	185.8	1011.9	239.3	15.9	3.9	0	0
12-09-2025	12:00:00	32.4	31.5	30.4	75.5	68.8	62	311.2	1012	236	19.9	5.2	0	0
12-09-2025	13:00:00	33.4	32.7	31.6	65.6	58.9	54.1	379	1011.8	236.7	20.6	4.7	0	0
12-09-2025	14:00:00	35.8	34.1	32.5	60.4	52	45.3	373.3	1011.3	233.2	14.6	2.3	0	0
12-09-2025	15:00:00	35.5	34.7	33.8	51.4	47.5	44.6	333.3	1010.4	232.9	14.6	3.5	0	0
12-09-2025	16:00:00	35.5	34.5	33.3	51.6	47.3	43.5	243.2	1009.4	243	16.6	4	0	0
12-09-2025	17:00:00	34.6	34	33.4	51.2	48.1	45.3	170.9	1008.5	243.9	15.2	2.5	0	0
12-09-2025	18:00:00	34	32.5	31.4	60.6	54.8	48.4	75.6	1007.9	240	11.9	2.6	0	0
12-09-2025	19:00:00	32.1	30.6	29.3	75.2	66.3	56	10.5	1007.6	219.9	9.9	1.9	0	0



Final EMP Report for Dahej-Hazira-Ghogha for 13th August to 12th September 2025

Ghogha station														
DATE	TIME	AT_Max	AT_Avg	AT_Min	RH_Max	RH_Avg	RH_Min	SOLAR	BP	WD	WS_Max	WS_Avg	WS_Min	RAIN
DD/MM/YY	HH:MM:SS	DegC	DegC	DegC	%	%	%	W/m2	mbar	Deg	m/s	m/s	m/s	MM
12-09-2025	20:00:00	29.4	29	28.8	80	76.9	74.9	0.6	1007.5	204.6	10.6	2.6	0	0
12-09-2025	21:00:00	29.1	28.9	28.7	82.1	81.1	79.9	0.6	1008.1	202.8	11.3	2.6	0	0
12-09-2025	22:00:00	29.2	28.9	28.7	86.4	83.5	81.3	0.6	1008.5	201.9	10.6	3.6	0	0
12-09-2025	23:00:00	29.2	28.8	28.6	90.2	87.4	85.6	1	1008.9	201.8	11.3	3.6	0	0

Annexure–B

Inception Report

On

Greenbelt Development in Deendayal Port Authority (DPA) and its surrounding areas (Phase-III) along with two years maintenance



Submitted to



Deendayal Port Authority

Administrative Office Building
Post Box No.50, Gandhidham (Kachchh)
Gujarat-370201

Prepared by



Gujarat Institute of Desert Ecology

Mundra Road, Bhuj-370 001, Kachchh, Gujarat

E-mail: desert_ecology@yahoo.com

www.gujaratdesertecology.com

Inception Report
on
Greenbelt Development in Deendayal Port Authority (DPA) and
its surrounding areas (Phase-III) along with two years
maintenance

Co-ordinator
Dr. V. Vijay Kumar, *Director*

Principal Investigator
Dr. Jayesh B. Bhatt, *Scientist*

Co-Principal Investigator
Mr. Bhagirath Paradva, *Project Fellow*
Mr. Rakesh Popatani, *Project Fellow*

Team Member
Mr. Vivek Chauhan, *Junior Research Fellow*

Submitted by



Gujarat Institute of Desert Ecology
Opp. Changleshwer Temple, Mundra Road
Bhuj-370 001, Kachchh, Gujarat
www.gujaratdesertecology.com

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Plantation techniques	4
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Introduction

A greenbelt is a designated area of undeveloped, wild, or agricultural land surrounding urban areas, intended to limit urban sprawl, protect natural environments, improve air quality, and promote biodiversity. Greenbelt development involves creating and maintaining these areas, often through strategic planting of trees, shrubs, or other vegetation to form natural barriers between urban and rural landscapes.

Thus, greenbelt offers a number of benefits for population. Vegetation absorbs various pollutants from the environment and thus help in effective pollution control. However, economic development like industrialization, mining, infrastructural development, etc. have exerted pressure and led to reduction and fragmentation of natural vegetation cover day-by day across the globe. Industrial and infra-structural developmental activities are likely to pollute the environment with varying magnitudes. Nevertheless, the pre-eminence of resistance of each of the organisms helps themselves to overcome the hazards caused by such pollutants.

Therefore, the general concept of greenbelt has evolved to develop vegetation or green spaces alongside of industries, mines, thermal power stations, roadsides, and other developmental unit is an effective measure to rejuvenate the environment through vital vegetation cover that safeguard the health of human and other living organisms. Greenbelts in and around urban and industrial areas are important to the ecological health of any given region.



Rationale

GUIDE team visited the proposed Greenbelt development site at Kandla port with the officials from Kandla Port as part of site selection. Based on the field observation and its landscape, environment and ecology of the area, suitable plant species were identified to improve the local environment and for the Greenbelt development at the port area.



Project Site

Based on observation made by the GUIDE team and officials from Deendayal Port Authority, a site at Road Over Bridge (RoB) to oil jetty road and Gopalpuri The area proposed for green development of Deendayal Port is barren land without any vegetation. The soil of the area is black muddy and is high saline soil with saline ground water. The area is very dry and hot during the summer.



Scope of Work

The overall objective is to Development Greenbelt at Deendayal Port Area. The following activities under the Greenbelt development have been carried out:

1. Inventories the suitable sites for greenbelt development in and around the Deendayal Port at Kandla.
2. Carryout Soil and Moisture Conservation (SMC) and management of the plantation sites.
3. Identify suitable plant species as per site scenario for the greenbelt plantation and plantation of plant saplings (5000 plants-suitable to the area & 200 plants at Gopalpuri-fruit bearing/medicinal/air purifying) including maintenance of the same for 1st year, along with maintenance, management and monitoring of plantation including drip/tanker water supply for a further period of 2 years.
4. Adopting plantation technique and soil/manure amendments.
5. Regular monitoring (survival and growth) of the plantation.

Approach and Methodology for Greenbelt Development

Following steps have been adopted for greenbelt development:

1. Planning Phase:

- Involves site selection, environmental assessments, and choosing appropriate plant species based on local ecosystems.
- DPA officials and environmental experts collaborate to design sustainable spaces that support biodiversity and recreation.
- Selecting native trees/suitable to the condition and local environment to ensure ecological compatibility and resilience.

2. Implementation Phase:

- Includes land preparation (clearing and levelling), planting trees and shrubs, and constructing pathways or recreational facilities.
- Sustainable practices are prioritized to minimize environmental disruption.

3. Maintenance Phase:

- Focuses on long-term care such as watering, pruning, pest control, and replanting.
- Regular monitoring ensures the health of vegetation and ecosystems.
- Community involvement and education are key to sustaining the greenbelt

Plantation techniques:

- Site development for a plantation includes clearance for weeds and it involves, bush cutting, soil and moisture conservation works and marking of pits for planting of saplings, etc.
- After clearing the land sites for pits, plantation have been marked on ground using a measuring tape to ensure the desired spacing.
- Pits of the size 45 cm x 45 cm and 45 cm depth have been dug for tree plantation. Pits have been deep enough to ensure that the roots of the plants do not curl up once the planting material is placed in it.
- Since the soil is highly saline, a fertile soil around 06 dumpers have been added for better survival.
- Charcoal have been added for better moisture conservation and survival.
- The pit has been filled a little above the ground level so that after the earth settles the upper surface of the pit is at same level as that of ground thus avoiding any water logging.
- The plantation has been carried out in two phases (1st in Gopalpuri-200 plants & 2nd Road Over Bridge (RoB)-Oil jetty road side-5000 plants)

Selection of Plant Species for Plantation: Various indigenous tree species suitable for the area have been identified and selected for plantation areas based on soil quality, available water facility, and other environmental parameters.

Management and Monitoring of Greenbelt: The plantation within the identified site will be managed and monitored for a minimum period of two years after the plantation. The management of plantation includes watering at regular intervals, during summer and winter periods and if required even during monsoon with dry spells.

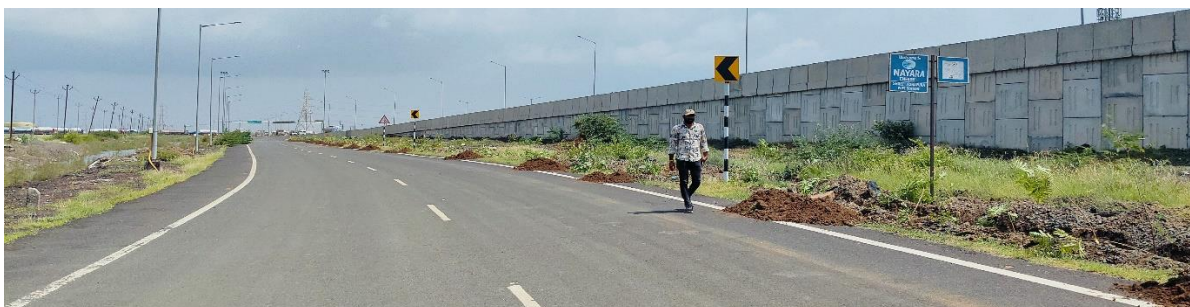




Fig. Map of Plantation Area at Gopalpuri

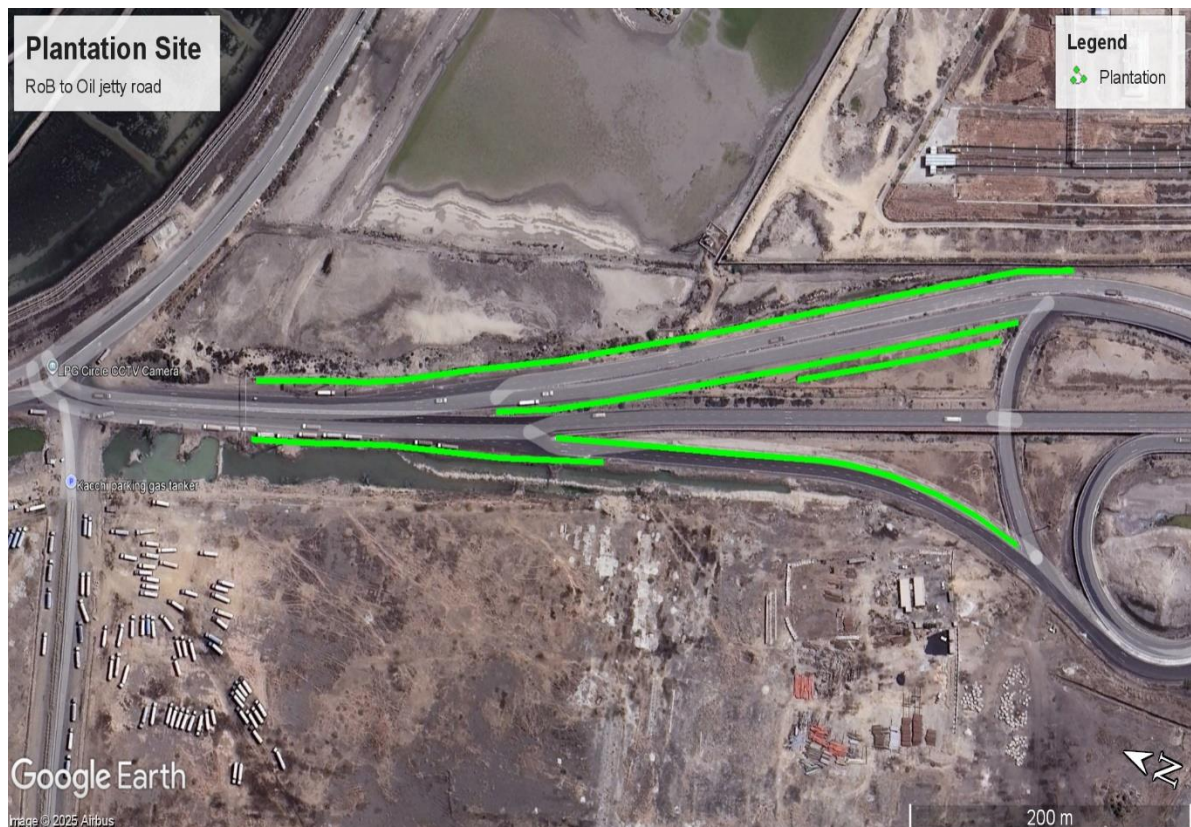


Fig. Map of Plantation Area RoB to Oil Jetty Road



Fig. Digging Out Trench for Plantation



Fig. Transportation of Plants to Site



Fig. Fertile Soil for Better Survival of Plants



Fig. Fertile Soil Filling to the pits



Fig. Addition of Charcoal for moisture conservation



Fig. Regular Watering of the Plants by Tanker

Annexure I
List of Plants for Plantation at site for Greenbelt Development
Site: Gopalpuri

Sr. No	Scientific name	Local name	No. of plants
Fruit Plants			
1	<i>Achras sapotta</i>	Chiku	3
2	<i>Citrus limonum</i>	Limbu	3
3	<i>Citrus medica</i>	Bijora	3
4	<i>Cocos nucifera</i>	Nariyel	3
5	<i>Eugenia jambolana</i>	Jambu	3
6	<i>Ficus carica</i>	Anjir	3
7	<i>Morus indica</i>	Shetur	5
8	<i>Phyllanthus emblica</i>	Amla	3
9	<i>Psidium guajava</i>	Jamfal	3
10	<i>Punica granatum</i>	Dadam	3
11	<i>Terminalia catappa</i>	Badam	5
12	<i>Pithecellobium dulce</i>	Gorsamli	3
13	<i>Tamarindus indica</i>	Khatiamli	5
14	<i>Carissa carandas</i>	Karmda	5
15	<i>Moringa oleifera</i>	Mitho sargavo	5
16	<i>Limonia acidissima</i>	Kothi	3
Medicinal Plant			
17	<i>Murraya koenigii</i>	Mitho limdo	5
18	<i>Plumbago zeylanica</i>	Chitrak	5
19	<i>Vitex negundo</i>	Nagod	8
20	<i>Nyctanthes arbor-tristis</i>	Parijat	8
21	<i>Justicia adhatoda</i>	Ardusi	5
22	<i>Butea monosperma</i>	Khakharo	5
23	<i>Hibiscus rosa-sinensis</i>	Jasud	5
24	<i>Bauhinia variegata</i>	Kanchnar	5
25	<i>Terminalia arjuna</i>	Arjun	5
26	<i>Azadirachta indica</i>	Limdo	5
27	<i>Ficus racemosa</i>	Umaro	5
28	<i>Aegle marmelos</i>	Bili	5
Air purifying plant			
29	<i>Cestrum diurnum</i>	Divsno raja	5
30	<i>Nerium odorum</i>	Karen	8
31	<i>Plumeria rubra</i>	Khadchampo	8
32	<i>Thespesia lampas</i>	Parspipalo	8
33	<i>Alstonia scholaris</i>	Saptaparni	8
34	<i>Plumeria rubra</i>	Kadam	5

Sr. No	Scientific name	Local name	No. of plants
35	<i>Ficus elastica</i>	Rabarplant	3
36	<i>Livistona chinensis</i>	Fenpalm	3
37	<i>Polyalthia longifolia</i>	Asopalav	8
38	<i>Roystonea regia</i>	Roayalpalm	2
39	<i>Pongamia glabra</i>	Karanj	8
40	<i>Delonix regia</i>	Gulmhor	5
41	<i>Ficus benamina</i>	Ficus	5

Site: RoB to Oil Jetty Road

Sr. No.	Scientific Name	Local Name	No. of plants
1	<i>Conocarpus lancifolius</i>	<i>Conocarpus</i>	1700
2	<i>Peltophorum pterocarpum</i>	Peltophorum	660
3	<i>Millettia pinnata</i>	Karanj	660
4	<i>Delonix regia</i>	Gulmahor	660
5	<i>Tabubia rosea</i>	Tabubia	660
6	<i>Senna siamea</i>	<i>Kasid</i>	660



Annexure–C

दीनदयाल पोर्ट प्राधिकरण
DEENDAYAL PORT AUTHORITY



Office of the Dy. Chief Engineer
(EMC & I/c), Ground Floor,
Administrative Office Building
Post Box No. 50, Gandhidham-Kachchh
Email: scplkpt@gmail.com
www.deendayalport.gov.in

No: EG/WK/4783/VII/ 143

Date: 04/10/2024

To,
M/s. Precitech Laboratories Pvt. Ltd.
1st floor, Bhanujyot Complex,
Plot no. C5/27, B/h. Pachratna Complex,
Near GIDC Char Rasta,
VAPI-396195
Mail - vapi@precitechlab.com

WORK ORDER

Sub: "Strengthening of Existing Environmental Management Cell of Deendayal Port Authority: Appointment of Environment Expert for two years and further extendable for one years."

- Ref:** 1) Tender dated 28/12/20223 submitted by M/s Precitech Laboratories Pvt. Ltd., Vapi.
2) LOA No. EG/WK/5375/171 dated 19/09/2024.
3) Performance Guarantee submitted by M/s. Precitech Laboratories Pvt Ltd in the form of Bank Guarantee of Rs. 9,45,000.00 vide Bank Guarantee no. 1102924BG0B00238 dated 30.09.2024 issued by State Bank India, Commercial Branch, Vapi.

Sir,

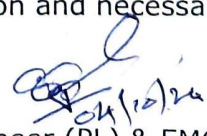
Kindly refer above cited Letter of Acceptance dated 19/09/2024.

- 1) You shall have to provide Key Experts as per tender requirement during the entire contract period. Accordingly, you shall have to submit the qualification and experience certificates of the Key experts to be appointed at DPT, as per tender conditions for verification & approval.
- 2) Please submit the agreement of contract as per Tender Conditions.
- 3) Kindly commence the work on or before 07/10/2024.

Please note that the time period for providing Consultancy service for the subject work will be Initially for Two years and further extendable for one year on mutual consent as per tender condition.

Accordingly, a copy of Form-III is enclosed herewith for information and necessary action please.

Encl: Form - III


Dy. Chief Engineer (PL) & EMC (I/c),
Deendayal Port Authority

- CC: 1. TPA to CE - For kind information to Chief Engineer, please.
2. RAO, DPA
3. Sr. DD (EDP) with a request to hoist this work order in website of DPA.

दीनदयाल पोर्ट प्राधिकरण
DEENDAYAL PORT AUTHORITY



Office of the Dy. Chief Engineer
(EMC & I/c), Ground Floor,
Administrative Office Building
Post Box No. 50, Gandhidham-Kachchh
Email: seplkpt@gmail.com,
www.deendayalport.gov.in

No: EG/WK/4783/VII/

Date: 4 /09/2024

10

FORM – III

(Under rule 21(2) of the Contract Labour (Regulation and Abolition) Central Rules, 1970; and Rules 7(3) of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Central Rules, 1980)

CERTIFICATE BY PRINCIPAL EMPLOYER FOR OBTAINING LICENCE FROM ASSISTANT LABOUR COMMISSIONER (C), GOPALPURI.

Certified that:

I have engaged the applicant "Precitech Laboratories Pvt Ltd. 177, 1st floor, Bhanujyot Complex, Plot no. C5/27, B/h. Pachratna Complex, Near GIDC Char Rasta, VAPI-396195. as a contractor in my establishment for the work "**Strengthening of Existing Environmental Management Cell of Deendayal Port Authority: Appointment of Environment Expert for two years and further extendable for one years.**" to be carried out for **24 months** (as per tender) and the work will be commenced on or before **07/10/2024**.

- 1) I undertake to be bound by all the provisions of the Contract Labour (Regulations and Abolition) Act, 1970 (37 of 1970) and the Contract Labour (Regulations and Abolition) Central Rules, 1971 The inter-State Migrant Workman (Regulation of Employment and Conditions of Service) Act, 1979 (30 of 1979) and the Inter State Migrant Workmen (Regulation of Employment and Conditions of Service) Central Rules, 1980* in so far as the provisions are applicable to me in respect of the employment of Contract Labour/inter-state migrant workmen by the applicant in my establishment.
- 2) The engagement of contract labour in the said work is not prohibited under sub-section (1) of section 10 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) or an award or a settlement.

Dy. Chief Engineer (PL) & EMC (I/c),
Deendayal Port Authority

Annexure–D

CE
may posted in
Civil Engineering Deptt/
Chairman's office, after clearance
& all formalities done.
J. S. Jaiswal

Date: 25th August



To,

The Secretary,
Deendayal Port Authority,
Gandhidham, Kutch

Subject: Duty Report for the post of Chief-Manager (Environment & Safety) on contractual basis at DPA – reg.

Sir,

I Dr. Utkarsh S. Mukkannawar, have been selected and offered the position of Chief Manager (Environment & Safety) on contractual basis under professional functionaries category vide Letter No. GA/PS/4292(PF)/2025/1347 with effective from 12th August'2025.

As per terms clause no 19, I "have to report for medical examination before the Chief Medical Officer, DPA at Gopalpuri Hospital....."

Accordingly, I hereby submit and enclose my medical examination Report as clinically healthy and "FIT to Join".

Further, I hereby submit my duty report today i.e., 25th August 2025 (FN) along with duly signed acceptance copy of Offer Letter, the original copy of the medical report enclosing clinical documents and two passport size photos for your kind perusal.

Thanking you,

Yours faithfully,


Dr. Utkarsh Mukkannawar
Mob: 9822077507

CE
may be posted in Civil Engineering
Department, after due clearance
& formalities as per r/c of
engagement, under intimation to
GAD here.

Date: 10th September 2025

To,
The Secretary,
Deendayal Port Authority,
Gandhidham, Kutch

[Signature]
Secretary.

Subject: Duty Report for the Port of Manager (Environment & Safety) on contractual basis at DPA - reg.

Sir,

I Ms. Neha Chandrashekhar Dekate, have been selected and offered the position of Manager (Environment & Safety) on contractual basis under professional functionaries' category vide letter no. GA/PS/4292 (PF)/2025/1349 with effective from 12th August'2025.

As per clause no. 19, "I have to report for medical examination before the Chief Medical Officer, DPA at Gopalpuri Hospital....."

Accordingly, I hereby submit and enclose my medical examination report as clinically healthy and "FIT to Join".

Further, I hereby submit my duty report today i.e. 10th September 2025 (FN) along with duly signed acceptance copy of Offer letter, the original copy of the medical report enclosing clinical documents and two passport size photos for your kind perusal.

Thanking you,

Yours faithfully,

[Signature]

Ms. Neha Dekate
Mob: 9096069665

CG/Sr AS

may be posted in Environment
Cell of Civil Engineering Deptt, subject
to clearance of due formalities
as per terms & conditions of engagement
in DPA on contract, above.

To,
The Secretary
Administrative Building
Deendayal Port Authority

2/9/25
Secretary

Date: 03/09/2025

SUBJECT: Duty Report for Contractual Engagement as Manager – Environment & Safety in Deendayal Port Authority (DPA)

Ref : DPA letter GA/PS/4292(PF)/2025/1348 dated 12/08/2025

Sir,

With reference to the above referred letter dated 12/08/2025 I am hereby pleased to submit my Duty Report and I confirm to join the organization with effect from today i.e. 03/09/2025.

Thanking You

Yours Faithfully



Rajeshwari Sharma