adani

Power

Ref: APL/APRL/EMD/EC/MoEFCC/210/05/23
Date: 23/05/2023

To,

Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Jaipur
Aranya Bhawan, Mahatma Gandhi Road, Jhalana Institutional Area.
Jaipur – 302004, Rajasthan

Sub: Six Monthly Compliance Status reports on Environment Clearance of Residential Complex for Phase I & II of Kawai Thermal Power Plant along with Environmental Monitoring reports- reg.

Ref: 1) Environmental clearance letter no. F1 (4) SEIAA/SEAC-RAJ/SECTT/ PROJECT/ CAT.8 (a) B/ (444)/12-13, dated- 30/11/2012 and
2) Environmental clearance letter no. F1 (4) SEIAA/SEAC-RAJ/SECTT/ PROJECT/CAT. 8(a) B2 (444)/13-14, dated- 22/01/2016

Dear Sir,

With reference to above subject, please find enclosed herewith Six-Monthly Environment Clearances (EC) compliance status report for **Residential Complex** (Phase I & Phase II) along with environmental monitoring reports etc. for the period of **October'2022 to March'2023** in soft (**e-mail**).

This is for your kind information & record please.

Thanking You,
Yours faithfully,
for **Adani Power Limited**

(**R N Shukla**)
Head Env. & Forest

Encl: as above

CC:

Member Secretary
Central Pollution control Board
Parivesh Bhavan, East Arjun Nagar
Kendriya Paryavaran Bhawan
New Delhi- 110 032.

Member Secretary,
Rajasthan State Pollution Control Board
4, Institutional Area, Jaipur - 302 004

Member Secretary
State Level Environment Impact Assessment Authority (SLEIAA),
4, Jhalana Institutional Area, Jhalana Doongri,
Jaipur, Rajasthan

Regional Officer,
Rajasthan State Pollution Control Board
Jhalawad, Rajasthan

Adani Power Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: L40100GJ1996PLC030533

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www.adanipower.com

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE

RESIDENTIAL COMPLEX

FOR

Kawai Thermal Power Station (Phase I & II)

At

KAWAI VILLAGE, ATRU TEHSIL
BARAN DISTRICT
RAJASTHAN

Submitted to:

Integrated Regional Office, Jaipur
Ministry of Environment, Forests & Climate Change
State Level Environment Impact Assessment Authority
Central Pollution Control Board, New Delhi &
Rajasthan State Pollution Control Board, Jaipur

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Submitted By:

Environment Management Department
Adani Power Limited
Kawai Village, Atru Tehsil
Baran District, Rajasthan

PERIOD: October'2022 – March'2023

CONTENTS

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Introduction

Kawai TPP has constructed Residential Complex for 1320 MW (2x660 MW) Coal-based Supercritical Thermal Power Plant at village: Kawai Tehsil: Atru District: Baran, Rajasthan.

Environmental Clearances & Consent to Operate for the Residential Complex of APL, Kawai has been granted by State Level Environmental Impact Assessment Authority and Rajasthan State Pollution Control Board respectively.

Kawai Power plant has obtained environment clearance from State Level Environment Impact Assessment Authority, Rajasthan dated 30.11.2012 followed by amendment in EC vide letter no. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.8 (a) (444)/2019-20 dated 16th July 2020. Compliance of additional conditions mentioned in the amended EC is being complied with & status is updated in the half yearly compliance.

The Environment Quality Monitoring is being carried out by NABL accredited Environment Laboratory inside the plant premises and in nearby villages by M/s Team Test House, a unit of Team Institute of Science & Technology, Jaipur.

APL, Kawai has also been granted Amendment in Phase – II EC vide letter no. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat. 8(a_B2 (444)/13-14 dated 26th July 2019.

Point wise compliance to the conditions stipulated in Environmental Clearance of Residential Complex for Kawai Thermal Power Plant is being furnished herewith.

Residential Complex Construction for expansion project not yet started.

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE
For Residential Complex for Kawai Thermal Power Plant

Vide letter No. F1 (4)/SEIAA/SEAC-RAJ/SECTT/PROJECT/CAT.8 (a) B/(444)12-13 dated 30.11.2012.

<table>
<tr><th>Sl. No</th><th>CONDITIONS STIPULATED BY SEIAA</th><th>COMPLIANCE STATUS</th></tr>
<tr><td colspan="3">PART A: SPECIFIC CONDITION</td></tr>
<tr><td colspan="3">I. Construction Phase</td></tr>
<tr><td>i.</td><td>“Consent To Establish” shall be obtained from RPCB before start of any construction work at the site</td><td>Complied
Both “Consent to Establish” (CTE) and ‘Consent to Operate’ (CTO) obtained from RSPCB.
Renewed ‘Consent to Operate’ (CTO) has been obtained vide file no. F(CPM)/Baran (Atru)/1027(1)/2012-2013/1491-1493 and order no. 2020-2021/CPM/5648 dated 22.06.2020, CTO is valid up to 31.08.2024.</td></tr>
<tr><td>ii.</td><td>No mobile tower shall be installed</td><td>Complied.
Mobile tower is not installed.</td></tr>
<tr><td>iii.</td><td>As envisaged, the PP shall earmark an amount of Rs. 567.50 lacs as initial capital cost and Rs.20.50 Lacs as annual recurring cost for implementing various environmental protection measures under the Environmental Management Plan.</td><td>Complied.
EMP Expenditure during construction phase:
<table>
<tr><th>Item</th><th>Capital Cost (Rs. Lakhs)</th></tr>
<tr><td>Sanitation facilities for construction workers</td><td>10.0</td></tr>
<tr><td>Curtain Wall around Project Boundary</td><td>5.0</td></tr>
<tr><td>Covered Storage for Construction Material</td><td>7.0</td></tr>
<tr><td>Sedimentation Trap for construction wastewater</td><td>5.0</td></tr>
<tr><td>Sewage Treatment Plant</td><td>300.0</td></tr>
<tr><td>DG Stacks</td><td>5.0</td></tr>
<tr><td>DG room acoustic treatment</td><td>1.5</td></tr>
<tr><td>Soild waste management</td><td>15.0</td></tr>
<tr><td>Rainwater harvesting</td><td>4.0</td></tr>
<tr><td>Landscaping</td><td>65.0</td></tr>
<tr><td>Solar lighting & solar heating</td><td>150.0</td></tr>
<tr><td>Total</td><td>567.5</td></tr>
</table></td></tr>
<tr><td>iv.</td><td>As committed, the PP shall invest an amount of Rs. 1.00 Crores in the first and Rs. 50.00 Lacs every year subsequently under CSR for School Education of Children, Anganwadi Services & Nutrition, Health & Sanitation, Livestock in the villages, Adult education & Youth Development, Income Generation</td><td>CSR activities are being carried out by Adani Foundation. Implementation / achievement of CSR activities during April’2022 to March’2023 is enclosed as Annexure-II.</td></tr>
</table>

	Activities & Infrastructure support.	
v.	That the grant of this EC is issued from the environmental angle only, and does not absolved the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent	Noted & agreed.
vi.	The PP shall comply with the guide line of High Rise Buildings as per office Memorandum no. 21-270/2008-IA.III dt. 07.02.2012	There are no high rises building in the Residential Complex.
vii.	For the conservation of electricity and to reduce energy losses the management shall ensure that the electrical voltage is stepped down from 33KV to 11KV and distributed at this level and finally brought to 440 volts	Dedicated transformer for the Residential Complex is provided for conservation of electricity.
viii.	The PP shall obtain approval of drawing of laying of electrical lines from the concerned SE of RVUNL	Approval of drawing for lying of electrical lines is obtained from RVUNL-Chhabra.
ix.	The PP shall fulfill the requirement of energy regulatory commissions	APL has been followed the guidelines of Regulatory commissions.
x.	Feasibility of underground wiring may be examined and followed	Underground wiring provided.
xi.	Open land may be earmarked for laying 132 KV Lines	Underground line provided for the Residential complex.
xii.	Road width and bench should be of adequate for easy movement of fire fighting vehicles	Standard Road width are provided for easy movement of vehicles
xiii.	The drain should be of adequate capacity and be lined till the final disposal point.	300mm to 900mm width lined drain are constructed from primary collection to final discharge point.
xiv.	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities and such fuel for cooking, mobile toilets, mobile STP, safe drinking water, Medical Health Care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Labour for Construction activities were hired from local villages. Mobile toilets, STP drinking water and medical care facilities were provided during construction phase.
xv.	All required sanitary and hygienic measure shall be in place before starting construction activities. The safe disposal of waste water and solid waste generated during the construction phase shall be ensured	Labor/ workers for Construction activities hired from local villages. Mobile toilet STP facility was provided during construction.
xvi.	Adequate drinking water facilities shall be provided for construction workers at the site	Drinking water supplied adequately in water dispenser from RO plant during construction phase.

xvii.	Provision shall be made for the supply of fuel (Kerosene or cooking gas); utensils such as pressure cookers etc. to the laborers	Not Applicable. All the labors hired from local villages.
xviii.	All the laborers engaged for construction shall be screened for the health and adequately treated before engaging them to work at site	Complied. Gate pass to labors have been issued only after thorough health checkup.
xix.	For disinfection of wastewater appropriate tertiary treatment may be given	For disinfection of wastewater, an inbuilt tertiary arrangement in STP (such as Filtration, disinfection by chlorination and holding tank) is provided.
xx.	All the top soil excavated during the construction shall be stored for use in horticulture / landscape development within the project site	Complied. Excavated soil during the construction period has been used for landscaping, horticulture, and greenbelt development within the premises of residential complex.
xxi.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of the people, only in approved site with the approval of competent authority	Muck including other construction waste during construction phase was used as area grading and land filling within the project premises in such a way that they have no adverse effects on the neighboring communities and special precautions had taken for general safety and health aspects.
xxii.	Soil and ground water samples will be tested to ascertain that, there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants	Environmental Monitoring including Soil and ground water sampling and analysis are being carried out. Monitoring report is enclosed as **Annexure-I**
xxiii.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump site for such material must be secured so that they do not leach in to the ground water	Construction spoil was used for ground levelling. No hazardous material was used in the construction area. Ground water contaminations will not take place as the complex area is a part of rocky hard sandstone.
xxiv.	Diesel generator sets to be used during the construction phase shall be low-sulphur-diesel type and shall confirm to Environment (Protection) Rules for air and noise emission standards	Power for Residential Complex was supplied from Kawai Power Plant.
xxv.	Vehicles hired for construction material and laborers to the site shall be in good conditions and shall conform to applicable air and noise emission standards and shall be approved during non-peak/approved hours	Only certified vehicle with valid PUC are allowed for Gate pass entry inside the Residential Complex as well as Kawai TPP.
xxvi.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase	NABL accredited consultant (M/s Team Test House, Jaipur) has been appointed for Environmental monitoring of Ambient Air Quality, Water Quality and Noise Level monitoring etc. Monitoring reports for construction phase had been submitted.

xxvii.	Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September,1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 km of Thermal Power Station)	Fly Ash based Bricks and Paver block has been used for construction purpose.
xxviii	Ready mix concrete shall be used in building Construction	Complied
xxix.	Storm water control and its re-use as per CGWA and BIS standards for various applications.	The storm water of the project area is routed to a rainwater harvesting pond.
xxx.	The responsibility of water supply to the occupants would be that of the PP and the PP should ensure supply of water to occupants before occupancy from a legal source.	The required quantity of water is supplied from Parvan River for power plant as well as Residential Complex after treatment.
xxxi.	Water demand during construction shall be reduced by the use of pre-mix concrete, curing agents and other best practices	APL, Kawai has used pre-mix concrete and fly ash bricks and adopted conservative measures for curing
xxxii	Total domestic water requirement shall not exceed 240 KLD. The PP shall source of water from Parvan Irrigation Project. The PP should ensure availability of required quantity of water from Parvan Irrigation Project and disposal of sewage in an environmentally safe manner	It is ensured that the water required for domestic purpose is within 240KLD. Treated sewage water is used for Greenbelt development & Horticulture.
xxxiii	Separation of grey and black water shall be done by the use of the dual plumping line for separation of grey and black water	Separate sewerage system for Black Water (from a toilet or urinal) and Grey Water (wastewater from sinks, showers, washing machines, dish washers etc.) are provided.
xxxiv	Treatment of 100% grey water by decentralized treatment shall be done	Decentralized treatment facilities as modular STP of different capacities (3 Nos. of 10KLD, 2 Nos. of 45KLD and 2 Nos. of 60KLD) are provided for the treatment of Wastewater.
xxxv.	Building plan from the competent Authority shall be got approved and position cleared with reference to Master Plan	Complied.
xxxvi	Adequate measures shall be taken to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits	Complied, maintained during construction. Monitoring reports for construction phase had been submitted.
xxxvii	A First Aid Room will be provided in the project both during construction and operation of the project	Dedicated Health Centre is available and working within the Residential Complex.
xxxviii	Any hazardous waste generated during construction phase shall be disposed off as per applicable rules and norms with necessary authorization of the RPCB	Complied during Construction Phase.

xxxix.	The approval of the competent authority shall be obtained from structural safety of the building due to earth quack, adequacy of the Fire Fighting equipment, etc. as per National Building Code 2005 including protection measures from lightening etc.	Complied Building structural design & safety design plan was prepared by competent architect and approved by Chartered Civil Engineer. Structural Stability Certificate had already been submitted.
xl.	Regular and periodic mock-up drills shall be undertaken by the fire department at least once in a year	Fire drill conducted twice in a year.
xli.	NOC shall be obtained from National State Disaster Management Authority, wherever applicable	Not applicable
xlii.	Regular supervision of the above and other measures for monitoring shall be in place through the construction phase, so as to avoid nuisance to the surroundings	Regular supervision was carried out by experienced professionals during construction period.
xliii.	Guidelines issued by concern Ministry for water scares areas may be followed	Being followed
xliv.	Composting of biodegradable waste shall be carried out within the campus	Biodegradable waste is being composted at designated place within the plant premises through Organic Waste Converter (OWC) installed for the purpose
xlv.	STP sludge will be used for composting and compost will be used as manure	Disinfected Sludge is being used for composting & used as manure.
xlvi.	Provision of solar water heating/chilling/street lighting shall be explored	Solar street lighting has been provided.
xlvii.	Review and revise the DG set capacities for 100% power backup through optimization of power backup in case of power failure and emergency	Power Supply from station Transformer of TPP, with a backup facility for critical equipment's and Residential complex in Case of grid failure/blackout.
xlviii.	During construction and post construction / operation phase of the project, the proponent shall be responsible for implementation of EIA/EMP. Commitment of the proponent in this regard shall be submitted to RPCB at the time of applying for CTE	CTE has been issued by RSPCB after submission of EMP and APRL has committed to implement as suggested under EIA/EMP report.
xlix.	The project proponent shall fulfill in letter and spirit, all the commitments given/submitted to the SEAC office	Being complied and followed.
l.	The PP will ensure that the STP of 230 KLD as proposed performs as desired efficiency. Scheme of arrangement for disposal of treated sewage in a scientific manner should be submitted after approval from an expert before completion of the project	Being complied It is ensured that the desired efficiency of STP will always be maintained. Scheme of arrangement for disposal of treated sewage in a scientific manner is prepared by expert engineers. Decentralized modular STPs have been installed to fulfil desired efficiency.
li.	After construction and handing of the project, the Resident Welfare Association or the maintenance agency shall be responsible	A full-fledged administrative and environmental management cell of APRL is dedicated for implementation of EMP.

	for the EIA/EMP implementation. In this regard a suitable clause shall be put by the PP in the Maintenance agreement	
II.	**Operational Phase**	
i.	An independent expert shall be certify the installation of the Sewage Treatment Plant (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation discharge of treated sewage shall conform to the norms & standards of the RSPCB.	STP details submitted to RSPCB and CTO granted after evaluations of the same.
ii.	For conservation of electricity and to reduce energy losses the management shall ensure that the electrical voltage is stepped down from 33 KV and distributed at this level and finally brought to 440 Volts.	Noted Electrical voltage brought down from 33 KV to 11 KV for conservation and reduce losses.
iii.	Rain Water harvesting (RWH) for roof top run-off, as planned shall be implemented.	Rainwater Harvesting Structure (RWHS) is constructed towards lowest gradient (East) of Residential Complex and connected with storm water drainage system collect roof top & paved area.
iv.	Before recharging the surface run off, pre - treatment must be done to remove the suspended matter, oil & grease.	Siltation chamber is provided for Pre-treatment for removal of suspended matter. Oil & grease will be done before recharging.
v.	The rain water harvesting plan shall be as per GoI Manual.	Rainwater Harvesting Structure (RWHS) is constructed towards lowest gradient (East) of Residential Complex and connected with storm water drainage system to collect run off, roof top & paved area.
vi.	The solid waste generated shall be properly collected & segregated before disposal to the City Municipal facility. The in-vessel bio-conversion technique may be used for composting the organic waste.	Being Complied Biodegradable waste is being composted at designated place within the plant premises through Organic Waste Converter (OWC) installed for the purpose.
vii.	Any hazardous waste including biomedical waste shall be disposed of as per applicable rules & norms with necessary approvals of the RSPCB.	The generated Bio-medical waste is being collected by an authorized vendor (M/s Hoswin Incinerator) on regular basis from dedicated Health Centre for Residential Complex.
viii.	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day & night noise standards prescribed for residential land use. The open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.	Being Complied Vegetation developed all along the periphery of residential area is for noise attenuation.
ix.	The D.G sets to be operate with stack height as per CPCB norms.	Not Applicable
x.	Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project.	Being Complied Monthly monitoring of Ambient Air Quality, Noise Level & Water Quality carried out. Monitoring report is enclosed as **Annexure-I**

xi.	Fixtures for showers, toilet flushing and drinking shall be of low flow either by use of aerators of pressure reducing devices or sensor based control.	Complied. Low flow fixtures provided
xii.	Use of glass may be reduced by up to 40% to reduce the electric consumption and load in air- conditioning, if necessary, use the high quality double glass with special reflective coating windows.	Complied. Glass provided only in windows. The glass area in less than 40%.
xiii.	Roof shall meet prescriptive requirement as per Energy Conservation building code by using the appropriate thermal insulation material to fulfil the requirement.	Complied. RCC Roof provided with adequate thermal insulation.
xiv.	Opaque walls shall meet prescriptive requirement as per Energy Conservation building code for all air- conditioning spaces, whereas, for non air- conditioned spaces, by use of appropriate thermal Insulation material to fulfil the requirement.	Complied. Opaque walls provided in the entire residential complex.
xv.	Application of solar energy shall be incorporated for illumination of common area, lighting for gardens and street lighting in addition to provision of solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided	Solar street lighting provided.
xvi.	Traffic congestion near the entry and exit points from the roads adjoining from the proposed project site must be avoided. Parking shall be fully internalized and no public space shall be utilized	The construction of internal roads and approach roads has been planned for smooth control of traffic movement within the residential complex. Adequate parking provisions are made to cater to the occupants as well as visitors. Adequate parking for 4 wheelers, 2 wheelers and bicycle has been provided.
xvii.	A report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology, R&U factors, etc. Quantify energy saving measures	Potential savings of energy had been submitted.
xviii.	Proper system of channelizing excess storm water shall be provided	Excess storm water, if any, is channelized to the rainwater harvesting pond and outfall.
xix.	The power factor shall be maintained near unity	Compliance Assured
xx.	Trees and shrubs of local species shall be planted to allow habitats for birds with appropriate distance from the boundary	About 12120 trees and shrubs are planted within the Residential Complex area.

xxi.	Polyalthia longifolia (Ashok),Cassia fistula (Amaltas) and Ficus infectoria (Pilkhan) shall be planted	The respective species are already planted & plantation is being continued.
xxii.	Re-cycled water to match standards for cooling water system. MPN should be less than 5/100 ml in case of reuse of water of landscaping and flushing	Environmental Monitoring report is enclosed as **Annexure-I**
xxiii.	Adequate measures shall be taken to prevent odor from solid waste processing and STP	Biodegradable waste is being composted at designated place within the premises, Organic Waste Converter (OWC) installed for this purpose.
xxiv.	The SEIAA, Rajasthan reserves the right to add new condition, modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA Rajasthan & RPCB	Noted & agreed.
PART – B. GENERAL CONDITIONS		
i	The environmental safeguards contained in Form I-A shall be implemented in letter and spirit	Noted
ii	Six monthly compliance reports shall be submitted to Ministry of Environment & Forest, Govt. of India, Regional Office, Ministry of Environment & Forest, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow, SEIAA, Rajasthan and Rajasthan State Pollution Control Board	Being Complied Six monthly compliance report on the Environmental Clearance granted by MoEFCC is being submitted to MoEFCC, RO (CZ), and CPCB & RSPCB regularly. Compliance status updated on Company's website. Compliance reports for the period of April-2022 to September-2022 had been submitted vide letter no.: APL/APRL/EMD/ EC/MoEFCC/212/11/22 dated 27.11.2022.
iii	Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full co-operation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SEIAA, Rajasthan shall be forwarded to the DoE, Rajasthan and Rajasthan State Pollution Control Board	Noted Full co-operation shall be extended at all the time.
iv	In case of any changes in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan	Noted
v	The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures	Noted

	subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provision of the Environment (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner	
vi	All the statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation department, Forest Conservation Act, 1980 and The Wildlife (Protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority	Not Applicable for Residential Complex.
vii	The PP shall ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and Rajasthan State Pollution Control Board and may also be seen on the web site of the Board at www.rpcb.nic.in. The advertisement shall be made within 7 (Seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur (S) of the Board	Complied Advertised in local newspaper 'Dainik Bhaskar and Rajasthan Patrika' on 15th December'2012.
viii	These stipulations would also be enforced amongst the other under the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986, The Public Liability (Insurance) Act, 1991 and EIA Notification '06	Noted
ix	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.	Noted
x	Environment clearance is subject to final order of the Honb'le Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of the year 2004 as may be applicable to this project	Noted

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

For Residential Complex (Phase II) for Kawai Thermal Power Plant

Vide letter No.F1 (4)/SEIAA/SEAC-RAJ/SECTT/PROJECT/CAT.8 (a)B2/(444)13-14 dated- 22.1.2016

(The construction for expansion of Residential Complex is yet to start)

<table>
<tr><th>Sl. No.</th><th>CONDITIONS STIPULATED BY SEIAA</th><th>COMPLIANCE STATUS</th></tr>
<tr><td colspan="3">PART A: SPECIFIC CONDITION</td></tr>
<tr><td colspan="3">1. Construction Phase</td></tr>
<tr><td>i.</td><td>This Environment Clearance is granted for Expansion in Residential Complex for Kawai Thermal Power Plant as follows-
<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Existing</th><th>Proposed</th><th>After Exp (Total)</th></tr>
<tr><td>i.</td><td>Total Plot Area</td><td>176500 m2</td><td></td><td>176500 m</td></tr>
<tr><td>ii.</td><td>Gross Built up Area</td><td>49799.32 m2</td><td>25200.68 m2</td><td>75000 m2</td></tr>
<tr><td>iii.</td><td>Built up Area</td><td>49799.32 m2</td><td>25200.68 m2</td><td>75000 m2</td></tr>
<tr><td>iv.</td><td>Proposed Green Area</td><td>6800 m2</td><td>5300 m2</td><td>12100 m2</td></tr>
<tr><td>v.</td><td>Parking Total E.C.U</td><td>315</td><td>172</td><td>487</td></tr>
<tr><td>vi.</td><td>Project Cost</td><td>Rs. 100 Crore</td><td>Rs. 54 Crore</td><td>Rs. 154 Cr</td></tr>
<tr><td>vii.</td><td>STP</td><td>155 KLD</td><td>90 KLD</td><td>245 KLD</td></tr>
</table></td><td>Noted,

Construction of expansion project not yet started.</td></tr>
<tr><td>ii.</td><td>“Consent to Establish" shall be obtained from RPCB before start of any construction work at the site,</td><td>Noted,
Already applied</td></tr>
<tr><td>iii.</td><td>No Mobile tower shall be installed.</td><td>Noted & agreed</td></tr>
<tr><td>iv.</td><td>As envisaged, the PP shall earmark an amount of Rs. 369.50 lacs as initial capital cost and Rs. 69.00 Lacs as. Annual recurring cost for implementing various environmental protection measures under the Environmental Management Plan.</td><td>Compliance Assured
Separate budget has already been earmarked for environmental protection measures.</td></tr>
<tr><td>v.</td><td>Green belt/Landscaping should be developed in 12,100 Sq. m. as proposed.</td><td>Compliance Assured
Three tier plantation/ greenbelt all along the periphery of residential area is proposed.</td></tr>
<tr><td>vi.</td><td>As committed the PP shall invest an amount of Rs. 100,00,000 under CSR spread over for 3 years as Rs.3220000 for 1st year, Rs.3770000 for 2nd year and Rs.301 0000 for 3rd year for School Education of Children, Anganwadi Services & Nutrition, Health & Sanitation, and Livestock in the Villages, Adult Education & Youth Development, and Income Generation</td><td>CSR activities are being carried out by our Adani Foundation.

Budget will be provided at the time of start of construction.</td></tr>
</table>

	Activities & Infrastructure Support.	
vii.	That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and 'complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent.	Noted and agreed.
viii.	The PP shall obtain approval of drawings of laying electrical lines from the concerned SE of AVVNL.	Residential complex is an integrated project of Kawai Thermal Power Station and the required electrical power will be supplied from power plant itself.
ix.	The PP shall full fill the requirements of energy regulatory commission.	Noted and agreed.
x.	Feasibility of underground wiring may be examined and followed.	Underground wiring is proposed.
xi.	Open land may be earmarked for laying 132 kV line.	11 KV underground line provided for the residential complex.
xii.	Road width and bench should be adequate for easy movement of fire fighting vehicles.	7.5m width road is proposed for easy movement of fire fighting vehicles.
xiii.	The waste water drains should be of adequate capacity and be lined till the final disposal points.	300mm to 900mm width lined drain will constructed from primary collection to final discharge point.
xiv.	The P.P. shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site. The proposed Budgetary provision of Rs. 2.00 Lacs shall be made for the housing of Construction labour within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, fuel/LPG for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants. The housing may be in the form of temporary structures to be removed after the completion of the project. Details of provisions should be submitted to RPCB at the time of obtaining CTE.	Labour for Construction activities will be hired from local villages, Hence, provision of housing facilities to the construction labour does not arise. Health facility, sanitation facility, fuel /LPG for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants will be provided during construction period.
xv.	All required sanitary and hygienic measures shall be in place before starting construction activities. The safe disposal of waste water and solid waste generated during the Construction phase shall be ensured.	Mobile toilet facility will be provided during construction.
xvi.	All the labours engaged for construction shall	Compliance Assured

	be screened for health and adequately treated before engaging them to work at the site.	Gate pass to labours will be issued only after health checkup.
xvii.	All the topsoil excavated during the construction shall be stored for use in horticulture/landscape development within the project site.	Noted and compliance assured
xviii.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of the people, only in approved sites with the approval of competent authority.	Noted and compliance assured
xix.	Soil and ground water samples will be tested to ascertain that, there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants.	Environmental Monitoring including Soil and ground water sampling and analysis is being carried out.
xx.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they do not leach into the ground water	Noted & Compliance Assured
xxi.	The diesel generator sets to be used during the construction phase shall be low-sulphur-diesel type and shall conform to Environment (Protection) Rules for air and noise emission standards.	Electrical power will be supply form Kawai Power Plant.
xxii.	Vehicles hired for bringing construction material and labours to the site shall be in good conditions and shall conform to applicable air and noise emission standards and shall be operated during nonpeak/ approved hours	Only pollution (PUC) certified vehicle will be hired for construction activities.
xxiii.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase.	MoEF&CC accredited agency M/s Team Institute of Science & Technology Pvt, Ltd., Jaipur has been engaged for the environmental monitoring.
xxiv.	Fly ash shall be used as building material in the construction as per the provisions of Fly Ash notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 km of Thermal Power Station).	It is proposed to use ash-based bricks for construction purpose
xxv.	Ready mixed concrete shall be used in building Construction.	Noted Compliance Assured

xxvi.	Storm water control and its re-use as per CGWA and BIS standards for various applications.	It is proposed to collect the storm water of the project area in to a rainwater harvesting pond through storm water channel.
xxvii.	The responsibility of water supply to the occupants would be that of the P.P. and the PP', should ensure supply of water to occupants before occupancy from a legal source	The required quantity of water for residential complex will be supplied from water treatment plant of integrated Power Plant.
xxviii.	Water demand during construction shall be reduced by the use of pre-mixed concrete, curing agents and other best practices	It is proposed to use concrete and fly ash bricks and adopt conservative measures for curing
xxix.	Total domestic water requirement shall not exceed during construction phase 59.05 KLD and during operational phase 234 KLD. As proposed, the P.P. should ensure availability of required quantity of water from Pravan Irrigation Project and disposal of sewage in an environmentally safe manner.	Noted.
xxx.	Separation of grey and black water shall be done by the use of dual plumping line for separation of grey and black water.	Noted Compliance Assured
xxxi.	Treatment of 100% grey water by decentralized treatment shall be done.	Decentralized treatment facilities as modular STP of different capacity has been installed are proposed for the treatment of wastewater from Kitchen and Bathroom (i.e., waste water from sinks, showers, washing machines, dish washers and etc.).
xxxii.	Building Plan from the competent Authority shall be got approved and position cleared with reference to Master Plan.	Compliance assured
xxxiii.	Adequate measures shall be taken to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.	Noted Compliance Assured
xxxiv.	A First Aid Room will be provided in the project both during construction and operation of the project	Noted Compliance Assured
xxxv.	Any hazardous waste generated during construction phase shall be disposed off as per applicable rules and norms with necessary authorization of the RPCB.	Noted Compliance Assured
xxxvi.	The approval of the competent authority shall be obtained. for structural safety of-the building due to earthquake, adequacy of firefighting equipment's, etc. as per National Building Code 2005 including protection	Compliance assured

	measures from lightening etc.	
xxxvii.	Regular and periodic mock-up drills shall be undertaken by the fire department at least once in a year.	Noted Fire drills are being conducted twice in a year.
xxxviii.	NOC shall be obtained from National State Disaster Management Authority, wherever applicable.	Not Applicable
xxxix.	Regular supervision of the above and other measures for monitoring shall be in place throughout the Construction phase, so as to avoid nuisance to the surroundings.	Noted Compliance Assured
xl.	Guidelines issued by concerned Ministry for water scarce areas may be followed	Compliance Assured
xli.	Provision of solar water heating/chilling/ street lighting etc shall be explored.	Compliance Assured
xlii.	Review and revise the requirement of DG set capacities for 100% power back up through optimization of power back up in case of power failure and emergency	Noted Power supply will be through Station Transformer of Kawai TPP.
xliii.	During construction phase and Post construction/operation phase of the project, the proponent shall be responsible for implementation of EIA/EMP. Commitment of proponent in this regard shall be submitted to RPCB at the time of applying for CTE.	Environment Management Plan as suggested in EIA/EMP will be implemented once the project takes off.
xliv.	The project proponent shall fulfil in letter and spirit, all the commitments given/ submitted to the SEAC office.	Noted Compliance Assured
xlv.	The P.P. will ensure that the STP of 180 KLD as proposed performs as desired efficiency. Scheme for arrangement for disposal of treated sewage in a scientific manner should be submitted after approval from an expert before completion of the project.	Noted. STP will be installed along with construction of Residential Complex.
xlvi.	Fixtures for showers, toilet flushing, and drinking shall be of low flow either by use of aerators of pressure reducing devices or sensor based control.	Noted Low flow fixtures will be provided.
xlvii.	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load in air conditioning. If necessary, use high quality double glass with special reflective coating windows.	Noted Uses of glass will be less than 40%.
xlviii.	Roof shall meet prescriptive requirement as per Energy Conservation Building Code by using	Noted RCC roofs.

	appropriate thermal insulation material to fulfil requirement.	
xlix.	Opaque walls shall meet prescriptive requirement as per Energy Conservation Building Code for all air- conditioned spaces, whereas, for non- air- conditioned spaces, by use of appropriate thermal insulation material to fulfil the requirement.	Noted Opaque wall will be provided
l.	Application of solar' energy shall be' incorporated for illumination of common areas, lighting for gardens and street lighting. In addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided.	Noted The entry and exit are already developed for phase I, Avoiding congestion.
li.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking shall be fully internalized and no public space shall be utilized.	Noted Compliance Assured
lii.	Proper system of channelizing excess storm water shall be provided.	Noted Proper storm water system is proposed.
liii.	Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.	Noted Local trees and shrubs are proposed along the periphery of residential complex.
PART A: SPECIFIC CONDITION		
2. Operation Phase		
i.	An independent expert shall be certify the installation of the Sewage Treatment Plant (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation discharge of treated sewage shall conform to the norms & standards of the RSPCB.	Noted Compliance Assured
ii.	Composting of biodegradable waste shall be carried out within the campus.	Biodegradable waste will be composted at designated place within the plant premises through Organic Waste Converter (OWC).
iii.	STP sludge will be used for composting and compost will be used as manure	Noted Compliance Assured
iv.	Rain Water harvesting (RWH) for roof top run-off and surface run-off, as planned shall be implemented. The rain water harvesting plan shall be as per GoI Manual.	Roof top rainwater harvesting is proposed. Recharge pits for deep and shallow depth is planned for project to conserve maximum runoff from site Excess rainwater from project area will

		be diverted to Rain water Harvesting pond at designated place for reuse.
v.	Before recharging the surface run off, pre-treatment must be done to remove the suspended matter, oil & grease.	Pre-treatment for removal of suspended matter. Oil & grease will be removed before recharging.
vi.	The solid waste generated An independent expert shall be certify the installation of the Sewage Treatment Plant (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation shall be properly collected & segregated before disposal to the City Municipal Facility. The in-vessel bio-conversion technique may be used for composting the organic waste.	Noted, Will be submitting during after installation & commissioning of STP. Once the project takes off.
vii.	Any hazardous waste including biomedical waste shall be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.	Noted, Once the project takes off.
viii.	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day & night noise standards prescribed for residential land use. The open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.	Being Complied Three tier vegetation all along the periphery of residential complex phase I area is proposed for noise attenuation.
ix.	The D.G sets to be operate with stack height as per CPCB norms.	Noted Compliance Assured
x.	Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project.	Noted Compliance Assured
xi.	A report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology, R&U factors, etc. Quantify energy saving measures	Noted, Once the project takes off.
xii.	The power factor shall be maintained near unity	Compliance Assured
xiii.	Polyalthia longifolia (Ashok), Cassia fistula (Amaltas) and Ficus infectoria (Pilkhan) shall be planted.	The respective species are already included in the list of plant species recommended by local forest department for project area.
xiv.	Re-cycled water to match standards for cooling water system. MPN should be less than 5/100	Noted, once the project takes off.

	ml in case of reuse of water of landscaping and flushing	
xv.	Adequate measures shall be taken to prevent odor from solid waste processing and STP	Compliance Assured
xvi.	The SEIAA, Rajasthan reserves the right to add new condition, modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA Rajasthan & RPCB	Noted & agreed.
PART B : GENERAL CONDITION		
i.	The environmental safeguards contained in Form I-A shall be implemented in letter and spirit.	Noted
ii.	Six monthly compliance reports shall be submitted to Ministry of Environment & Forest, Govt. of India, Regional Office, Ministry of Environment & Forest, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow, SEIAA, Rajasthan and Rajasthan State Pollution Control Board	Being Complied
iii.	Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full co-operation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SEIAA, Rajasthan shall be forwarded to the DoE, Rajasthan and Rajasthan State Pollution Control Board	Noted Full co-operation will be extended.
iv.	In case of any changes in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan	Noted
v.	The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provision of the Environment (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner	Noted

vi.	All the statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation department, Forest Conservation Act, 1980 and The Wildlife (Protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority	Not Applicable for Residential Complex.
vii.	The PP shall ensure advertising in at least two local news-papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and Rajasthan State Pollution Control Board and may also be seen on the web site of the Board at www.rpcb.nic.in. The advertisement shall be made within 7 (Seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur (S) of the Board	Complied, Advertised in local newspaper 'Dainik Navjyoti, Dainik Bhaskar on 15th February '2016 and 'Chambal Sandesh' on 16th February '2016.
viii.	These stipulations would also be enforced amongst the other under the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986, The Public Liability (Insurance) Act, 1991 and EIA Notification '06	Noted
ix.	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.	Noted
Condition Amended in Environmental Clearance		
xlv.	The PP will ensure that the STP of 90 KLD as proposed performs as desired efficiency. Scheme for arrangement for disposal of treated sewage in scientific manner should be submitted after approval from an expert before completion of the project.	Noted & compliance assured once the project takes off. STP will be installed along with construction of Residential Complex. STP of capacity 90 KLD is proposed for expansion of Residential complex (Phase II)

Additional conditions in Environmental Clearance (EC amendment for residential complex (Phase-I) Vide letter No. F1 (4)/SEIAA/SEAC-RAJ/SECTT/PROJECT/CAT.8 (a) (444)/2019-20 dated- 16.07.2020		
I Statutory compliance		
i	The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Agreed.
ii	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	Compliance assured.
iii	The project proponent shall obtain forest clearance under the provision of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable Forest clearance is not required as there is no diversion of forest land for non-forest purpose.
iv	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable.
v	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from concerned State Pollution Control Board/Committee.	Complied Both "Consent to Establish" (CTE) and 'Consent to Operate' (CTO) obtained from RSPCB. Renewed 'Consent to Operate' (CTO) has been obtained vide file no.F(CPM)/Baran(Atru)/1027(1)/2012-2013/1491-1493 and order no. 2020-2021/CPM/5648 dated 22.06.2020, CTO is valid up to 31.08.2024.
Vi	The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.	There is no extraction of ground water. The required quantity of water is supplied from Parvan River for power plant as well as Residential Complex after treatment.
vii	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Power for Residential Complex is being supplied from Adani Power Limited - Kawai TPP.
viii	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as	Not Applicable for Residential Complex.

	applicable by project proponents from the respective competent authorities.	
ix	The provisions of Solid Waste (Management) Rules, 2016, e-waste (Management) Rules,2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Being complied.
x	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Being followed.
ii Air quality monitoring and preservation		
i	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and demolition Activities for projects requiring Environmental Clearance shall be complied with.	The project is in operation phase.
ii	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	NABL accredited laboratory (M/s Team Test House, Jaipur) has been appointed for Environmental monitoring of Ambient Air Quality at the site.
iii	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion relevant to the main pollutants released (e.g., PM10 and PM 2.5) covering upwind and downwind directions during the construction period.	NABL accredited laboratory (M/s Team Test House, Jaipur) has been appointed for Environmental monitoring of Ambient Air Quality at the site. The project is in operation phase.
iv	Diesel power generating sets proposed as source of back up power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to height needed for the combined capacity of all DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Diesel power generating sets are not installed at project site. Power for Residential Complex is being supplied from Adani Power Ltd., Kawai.
v	Construction site shall be adequately barricaded before the construction begins. Dust smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction material prone to	Same was compiled during construction phase now the project is in operation phase.

	causing dust pollution at site as well as taking out debris from the site.	
vi	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution,	The project is in operation phase.
vii	Wet jet shall be provided for grinding and stone cutting.	The project is in operation phase.
viii	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	The project is in operation phase.
ix	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	Same was followed during construction phase.
x	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environment (Protection) prescribed for air and noise emission standards.	Diesel power generating sets are not installed at project site.
xi	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Diesel power generating sets are not installed at project site.
xii	For indoor air quality the ventilation provisions as per National Building Code of India.	Being complied. Provision of proper ventilation is provided.
iii Water quality monitoring and preservation		
i	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	Natural drainage system is not disturbed due to construction of project.
ii	Building shall be designed to follow the natural topography as much as possible, minimum cutting and filling should be done.	There is no adverse impact on natural topography due to project implementation.

<table>
<tr><td>iii</td><td>Total fresh water use shall not exceed the proposed requirement as provided in the project details.</td><td>Fresh water consumption in not exceeding then prescribed limit.</td></tr>
<tr><td>iv</td><td>The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports</td><td>Quantity of freshwater consumption and water recycling is being measured, details of the same is mentioned below:
<table>
<tr><th>Sr. No.</th><th>Month</th><th>Recycled Water (KL)</th><th>Fresh Water (KL)</th></tr>
<tr><td>1.</td><td>Oct-22</td><td>2813</td><td>6724</td></tr>
<tr><td>2.</td><td>Nov-22</td><td>2551</td><td>6534</td></tr>
<tr><td>3.</td><td>Dec-22</td><td>2409</td><td>6198</td></tr>
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<tr><td>6.</td><td>March-23</td><td>3302</td><td>6681</td></tr>
</table></td></tr>
<tr><td>v</td><td>A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</td><td>The required quantity of water for residential complex is being supplied by Adani Power Limited -Kawai TPP.</td></tr>
<tr><td>vi</td><td>At least 20% of the open spaces as required by local building bye-laws shall be pervious. Use of grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.</td><td>Complied.</td></tr>
<tr><td>vii</td><td>Installation of dual pipe plumbing for supplying fresh water for drinking, cooking, and bathing etc. and other for supply of recycled water for flushing, landscape irrigation etc. car washing. Thermal cooling conditioning etc. shall be done.</td><td>Dual pipe plumbing is provided for water supply one is for drinking, cooking and bathing and another for supply of recycled water.</td></tr>
<tr><td>viii</td><td>Use of water saving devices/fixtures (viz. low flow flushing systems, use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.</td><td>Low flow fixtures are provided.</td></tr>
<tr><td>ix</td><td>Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.</td><td>Separate sewerage system for Black Water (from a toilet or urinal) and Grey Water (wastewater from sinks, showers, washing machines, dish washers and etc.) are provided.</td></tr>
<tr><td>x</td><td>Water demand during construction should be reduced by use of pre-mixed concrete, curing</td><td>Same was complied during construction phase.</td></tr>
</table>

<table>
<tr><td></td><td>agents and other best practice referred.</td><td></td></tr>
<tr><td>xi</td><td>The local bye-laws provisions rain water harvesting should be followed if local byelaws provisions is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.</td><td>Rainwater Harvesting Structure (RWHS) is constructed towards lowest gradient (East) of Residential Complex and connected with storm water drainage system to collect roof top & paved area.</td></tr>
<tr><td>xii</td><td>A rain water harvesting plan needs to be designed where the bores of minimum one recharge bore per 5000 square meter of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In area where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from Competent Authority.</td><td>Rainwater Harvesting Structure (RWHS) is constructed towards lowest gradient (East) of Residential Complex and connected with storm water drainage system collect roof top & paved area.
There is no extraction of ground water.</td></tr>
<tr><td>xiii</td><td>All recharge should be limited to shallow aquifer.</td><td>Being complied.</td></tr>
<tr><td>xiv</td><td>No ground water shall be used during construction phase of the project.</td><td>There was no use of ground water during construction phase.</td></tr>
<tr><td>xv</td><td>Any ground water dewatering should be properly managed and shall conform to the approval and guideline of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.</td><td>There is no extraction of ground water.</td></tr>
<tr><td>xvi</td><td>The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as project by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.</td><td>Quantity of freshwater consumption and water recycling is being measured, details of the same is mentioned below:
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</table></td></tr>
<tr><td>xvii</td><td>Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall</td><td>Decentralized treatment facilities as modular STP of different capacities (3</td></tr>
</table>

	be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.	Nos. of 10 KLD, 2 Nos. of 45KLD and 2 Nos. of 60KLD) are provided for the treatment of Wastewater.
xviii	No sewage or untreated effluent water would be discharged through storm water drains.	Being complied. wastewater is being treated through STP and reusing for plantation.
xix	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower and other end uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest, and Climate Change. Natural Treatment systems shall be promoted.	Decentralized treatment facilities as modular STP of different capacities (3 Nos. of 10KLD, 2 Nos. of 45KLD and 2 Nos. of 60KLD) are provided for the treatment of Wastewater.
xx	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Environmental Monitoring of treated water being carried out. Monitoring report is enclosed as **Annexure-I**
xxi	Sludge from the onsite sewage treatment including septic tanks shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems,2013.	Noted Compliance Assured.
iv	**Noise monitoring and prevention**	
i	Ambient noise levels shall conform to residential area/commercial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000.increamental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	The project is in operation phase. Environmental Monitoring including ambient air and noise being carried out. Monitoring report is enclosed as **Annexure-I**
ii	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the	Monitoring report is enclosed as **Annexure-I**

	Ministry as a part of six-monthly compliance report.	
iii	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	DG sets are not installed.
v	**Energy Conservation measures**	
i	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured in the States which have notified their own ECBC, shall comply with the State ECBC.	Being complied.
ii	Outdoor and common area lighting shall be LED.	Solar street lighting has been provided.
iii	Concept for passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design wall, window, and roof u-values shall be as per ECBC specifications.	Solar street lighting has been provided.
iv	Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	LED lighting is provided for energy conservation.
v	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-laws requirement, whichever is higher.	Solar street lighting has been provided.
vi	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement to meet its hot water demand from solar water heaters, as far as possible.	Solar street lighting has been provided.
vi	**Waste Management**	
I	A certificate from the competent authority	Township is integrated part of Adani

	handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Power Limited Kawai TPP solid waste is being handled as per environmental guidelines.
ii	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Muck including other construction waste during construction phase was used as area grading and land filling within the project premises in such a way that they have no adverse effects on the neighboring communities and special precautions had taken for general safety and health aspects.
iii	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Separate wet and dry bins are provided for segregation of Bio & Non Bio-degradable waste.
iv	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg/person/day must be installed.	Being Complied Biodegradable waste is being composted at designated place within the plant premises through Organic Waste Converter (OWC) installed for the purpose.
v	All non-biodegradable waste shall be handed over to authorized recycler for which a written tie up must be done with the authorized recyclers.	Agreed.
vi	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Complied during Construction Phase.
vii	Use of environment friendly materials in bricks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	Fly Ash based Bricks and Paver block has been used for construction purpose.
viii	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September,1999 and amended as on 27th August 2003 and 25th January, 2016, Ready mixed concrete must be used in building construction.	Fly Ash based Bricks and Paver block has been used for construction purpose.
ix	Any wastes from construction and demolition activities related thereto shall be managed so	Waste from construction activities during construction phase was used as

	as to strictly conform to the Construction and Demolition Rules, 2016	area grading and land filling within the project premises in such a way that they have no adverse effects.
x	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	Used CFLs and TFLs is being collected properly and disposed of properly as per guidelines/rules to avoid mercury contamination.
viii	**Green Cover**	
i	No tree can be felled/transplant unless exigencies demand where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantation to be ensured species (cut) to species (planted)	Complied during construction phase.
ii	A minimum of 1 tree for every 80 sq.m. of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, board leaves and wide canopy are desirable. Water intensive and/or invasive species should not be used for landscaping.	Plantation/ greenbelt all along the periphery of residential complex is provided.
iii	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.	No tree cutting required for the project construction.
iv	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Noted and compliance assured
viii	**Transport**	
I	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be	Complied. Internal roads are designed to considering environment and safety of users. Traffic calming measures along

	designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.	with proper entry and exit points are in place and parking space is provided.
ii	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Only certified vehicles with valid PUC are allowed for Gate pass entry inside the Residential Complex.
iii	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact on all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 kms radius of the site in different scenarios of space and time and the traffic management plan shall be dully validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Township is situated in rural area and not effecting traffic to nearby area, Traffic calming measures along with proper entry and exit points are in place and parking space is provided.
ix	**Human health issues**	
i	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	Labour for Construction activities were hired from local villages. Dust masks were provided during construction phase.
ii	For indoor air quality the ventilation provisions as per National Building Code of India.	Being complied. Provision of proper ventilation is provided.

iii	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan is prepared.
iv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after completion of the project.	Labour for Construction activities were hired from local villages. Mobile toilets, STP drinking water and medical care facilities were provided during construction phase.
v	Occupational health surveillance of the workers shall be done on regular basis.	Gate pass to labors have been issued only after health checkup.
vi	A first Aid Room shall be provided in the project both during construction and operations of the project.	Dedicated Health Centre is available and working within the Residential Complex.
X	**Corporate Environment Responsibility**	
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable regarding Corporate Environment Responsibility.	CSR activities are being carried out by Adani Foundation.
ii	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper check and balances and to bring focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and /or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Corporate level Environmental Policy has been developed to implement EMS (Environmental Management System) as per ISO 14001-2015. Environmental Management System as per EMS ISO 14001 implemented Integrated Management System (IMS) is also Implemented. Wildlife conservation plan is prepared.
iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	A full-fledged environmental management cell of Adani Power Limited-Kawai TPP is dedicated for implementation of EMP.
iv	Action plan for implementing EMP and environmental conditions along with	Compliance assured.

	responsibility matrix of the company shall be prepared and shall be duly approved by component authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with Six Monthly Compliance Report.	
XI	**Miscellaneous**	
i	The project proponent shall prominently advertise it at least in two local newspaper of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environmental clearance and the details of MoEFCC/SEIAA website where it is displayed.	Complied.
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Being complied.
iv	The project proponent shall submit six monthly reports on the status of the compliance on the stipulated environmental conditions on the website of the ministry of Environment, Forest, and Climate Change at environmental portal.	Noted compliance assured.
v	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986 as amended subsequently and put on the website of the company.	Township is integrated part of Kawai Thermal Power Plant it is taken care environment management department.
vi	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the	The project is in operation phase.

	project by the concerned authorities, commencing the land development work and start of production operation by the project.	
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted for compliance.
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Being complied.
ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)	Noted.
x	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
xiii	The regional Office of this Ministry shall monitor compliance of stipulated conditions. The project authorities should extend cooperation to officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted, full cooperation shall be extended.
xiv	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of pollution) Act, 1974 the Air (Prevention & Control of pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.	Noted.

xv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

Annexure-I

SIX MONTHLY COMPLIANCE REPORT ON ENVIRONMENTAL MONITORING as AMBIENT AIR QUALITY, WATER QUALITY AND NOISE LEVEL

for

Adani Power Limited

Residential Complex of 2x660 MW- SUPERCRITICAL THERMAL POWER STATION)

Village - Kawai, Tehsil - Atru, District -Baran, Rajasthan

PREPARED BY:

TEAM TEST HOUSE

(A UNIT OF TEAM Institute of Science & Technology Pvt. Ltd.)
G1-584, RIICO INDUSTRIAL AREA, SITAPURA, TONK ROAD,
JAIPUR - 302022, RAJASTHAN
Approved by Ministry of Environment & Forest (Govt.of India)
And Rajasthan State Pollution Control Board
Accredited by National Accreditation Board for Testing & Calibration Laboratories
Certified by ISO 9001: 2008

Period: October- 2022 to March-2023

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

Adani group has constructed 2 units of 660 MW Supercritical Thermal Power Plant at Village-Kawai Tehsil- Atru District: Baran Rajasthan. The plant is designed to generate 2x660 MW electricity. The site is located Near Salpura Railway Station in district Baran, Rajasthan. The plant is well connected by Road and Rail network with different parts of Rajasthan and adjoining states, at present both units are in operation.

M/s Adani Power Rajasthan limited (amalgamated with Adani Power Limited) has awarded environmental monitoring job work to **M/s Team Institute of Science and Technology (Unit - Team Test House)** vide Service Order No 5700295971 dated 03/04/2021 for Sampling/Monitoring and Testing of Environmental parameters on quarterly basis for the period 01/04/2021 to 31/03/2023.

The samples for determination of quality of Ambient Air, Noise and STP outlet water etc. are collected from site and analyzed at **Team Test House**, Jaipur.

The overall results for third and fourth quarter are found to be satisfactory. The plant was performing well during the monitoring and environmental parameters in each segment like Ambient air, noise level and water are found to be within the desired limits.

2. BRIEF DESCRIPTION OF ADANI POWER AND KAWAI THERMAL POWER STATION

2.1 ADANI THERMAL POWER STATION

Adani, a conglomerate with a formidable presence in multiple businesses across the globe, has entered the power sector to harbinger a 'Power Full' India, by generating 20,000 MW of power by 2020. Comprehension of the criticality in meeting the power requirement and its crucial role in ensuring the energy security of India, spurs us to build India's largest and one of the world top 5 single location thermal power plant in Mundra.

Adani Power Limited has commissioned the first supercritical 660 MW unit in the country. Mundra is also the WORLD'S FIRST supercritical technology project to have received 'CLEAN DEVELOPMENT MECHANISM (CDM) Project' certification from United Nations Framework Convention on Climate Change (UNFCCC).

2.2 KAWAI THERMAL POWER STATION

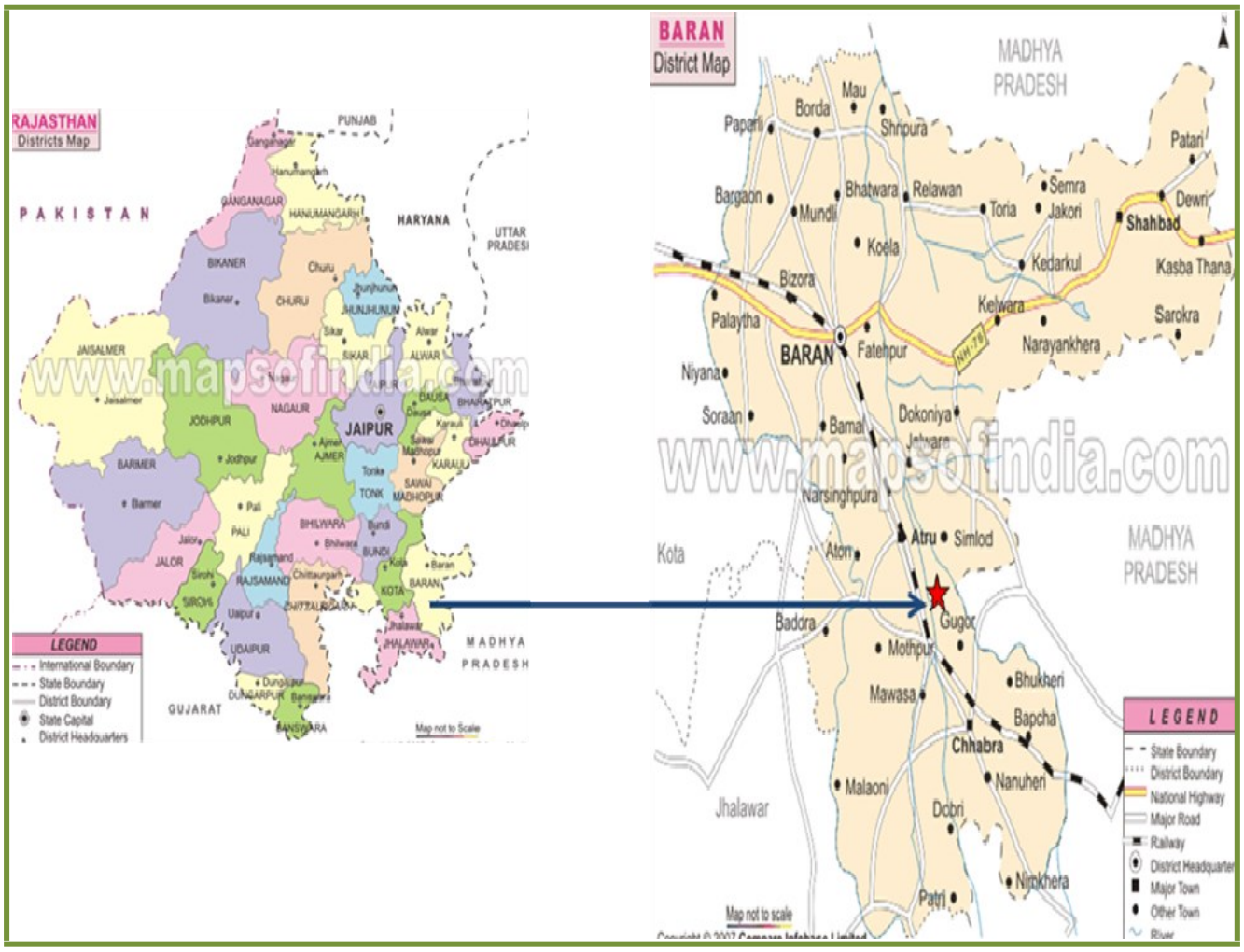
Adani Enterprises Limited (AEL) signed MoU with Energy Department, Government of Rajasthan on 20th March 2008 for developing a Thermal Power Project of 1320 MW capacity at village: Kawai, District Baran, Rajasthan. For this purpose, Adani Enterprises Limited (AEL) has registered Adani Power Rajasthan Limited (amalgamated with Adani Power Limited), The site is approximately 120 km from Kota and 40 Kms from Baran.

The plant is covered in around 350 Ha. area. The possession of 350 Ha has already been given to APL by Govt. of Rajasthan. The coal and water requirement of the plant is 5.6 MTPA and 34 MCM respectively.

Both imported and domestic coal is being used. Water is drawn through a dedicated pipeline from the PARWAN River located about 15 km from the plant.

2.3 LOCATIONS OF THE PLANT

State	**Rajasthan**
District	Baran
Villages	Kawai
Land type	Barren and Stony Waste Land
Geographical Co-ordinates	24º 46' 14.62" N & 76º 44' 28.60" E.



Location Map

AVERAGE DAILY METEROLOGICAL DATA OF OCTOBER-2022

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
2022-10-01	26.1	32.1	65.1	93.1	0
2022-10-02	27.0	35.1	59.0	92.3	0
2022-10-03	25.6	36.1	37.1	83.5	0
2022-10-04	25.1	35.3	39.2	81.3	0
2022-10-05	26.0	32.2	63.0	91.4	19
2022-10-06	26.7	33.2	65.5	93.2	0
2022-10-07	26.0	32.5	81.0	98.2	63.5
2022-10-08	24.0	29.5	67.1	98.2	38
2022-10-09	24.0	31.4	74.2	95.3	4.5
2022-10-10	25.0	29.2	70.4	98.3	0
2022-10-11	25.1	32.2	69.1	95.4	0
2022-10-12	25.6	33.1	70.1	93.4	0
2022-10-13	21.1	32.4	30.2	97.4	0
2022-10-14	20.3	32.5	36.0	92.0	0
2022-10-15	20.2	32.5	36.0	86.5	0
2022-10-16	22.0	34.1	40.1	97.3	0
2022-10-17	21.2	33.3	30.0	83.1	0
2022-10-18	21.2	34.4	24.2	83.1	0
2022-10-19	21.0	35.1	23.2	74.3	0
2022-10-20	20.3	35.3	21.1	71.2	0
2022-10-21	20.2	34.6	21.1	72.2	0
2022-10-22	20.1	34.5	23.3	70.2	0
2022-10-23	21.0	33.2	25.4	70.0	0
2022-10-24	20.0	32.3	27.0	80.0	0
2022-10-25	18.0	34.5	21.3	77.4	0
2022-10-26	19.5	34.5	22.2	67.0	0
2022-10-27	20.2	35.6	22.1	66.0	0
2022-10-28	20.3	35.4	23.1	66.5	0
2022-10-29	20.1	34.6	21.5	70.1	0
2022-10-30	19.3	32.4	23.2	74.1	0
2022-10-31	18.1	32.1	29.0	73.1	
Max.	**27.0**	**36.1**	**81.0**	**98.3**	**125.0**
Min.	**18.0**	**29.2**	**21.1**	**66.0**	

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Date : 01/10/22 - 31/10/22

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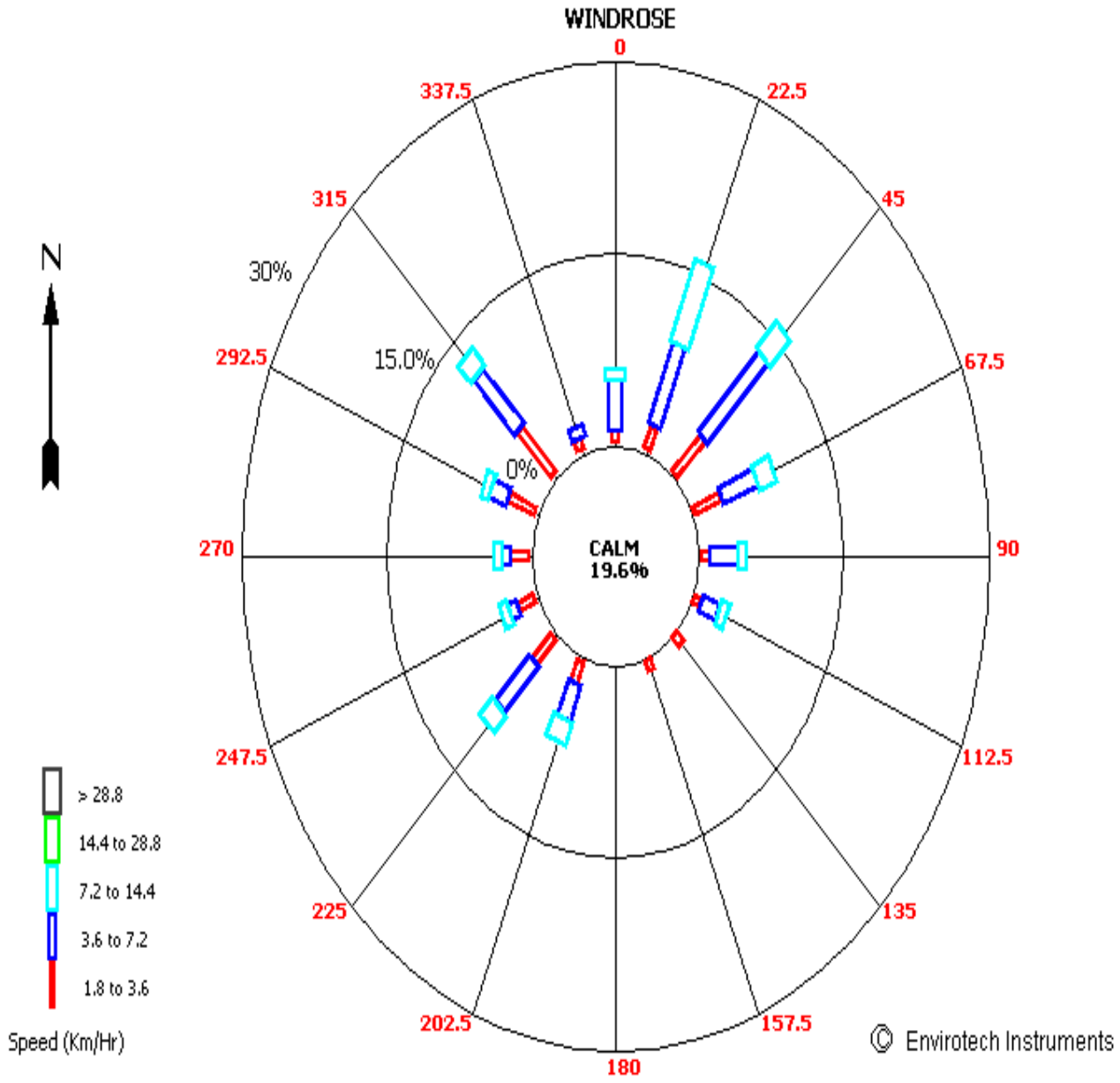
ADANI POWER RAJ. LTD
KAWAI



AVERAGE DAILY METEROLOGICAL DATA OF NOVEMBER-2022

Date	Temp		Relative Humidity		Rainfall
	Min	Max	Min	Max	Total
2022-11-01	18.2	33.2	28.0	78.2	0
2022-11-02	19.6	35.2	23.5	74.0	0
2022-11-03	20.0	34.6	26.3	68.1	0
2022-11-04	20.3	36.1	26.0	70.2	0
2022-11-05	21.4	37.1	21.1	66.1	0
2022-11-06	20.1	36.5	20.1	65.5	0
2022-11-07	22.2	36.0	21.0	65.1	0
2022-11-08	23.3	34.3	24.2	55.6	0
2022-11-09	22.2	32.3	34.0	64.5	0
2022-11-10	20.2	32.0	36.3	78.4	0
2022-11-11	21.0	31.3	31.0	78.5	0
2022-11-12	17.1	34.1	40.1	81.4	0
2022-11-13	21.1	32.4	30.2	97.4	0
2022-11-14	20.3	31.3	24.1	92.0	0
2022-11-15	18.1	31.5	31.0	72.2	0
2022-11-16	18.2	31.1	35.1	77.4	0
2022-11-17	18.1	28.6	27.3	84.6	0
2022-11-18	15.2	29.0	25.1	76.2	0
2022-11-19	15.0	25.4	37.5	73.2	0
2022-11-20	15.1	28.5	32.6	79.1	0
2022-11-21	14.0	29.0	31.1	84.6	0
2022-11-22	14.4	28.2	29.2	87.1	0
2022-11-23	14.2	28.5	28.3	85.0	0
2022-11-24	13.3	27.5	24.2	82.1	0
2022-11-25	14.2	29.0	26.2	72.4	0
2022-11-26	13.0	34.5	22.2	87.5	0
2022-11-27	20.2	35.6	22.1	66.0	0
2022-11-28	20.3	29.3	28.1	66.5	0
2022-11-29	15.3	28.3	31.0	76.5	0
2022-11-30	16.1	27.4	29.3	75.4	0
Max.	**23.3**	**37.1**	**40.1**	**97.4**	**0**
Min.	**13.0**	**25.4**	**20.1**	**55.6**	

Time : 00:00 - 23:00
Date : 01/11/22 - 30/11/22

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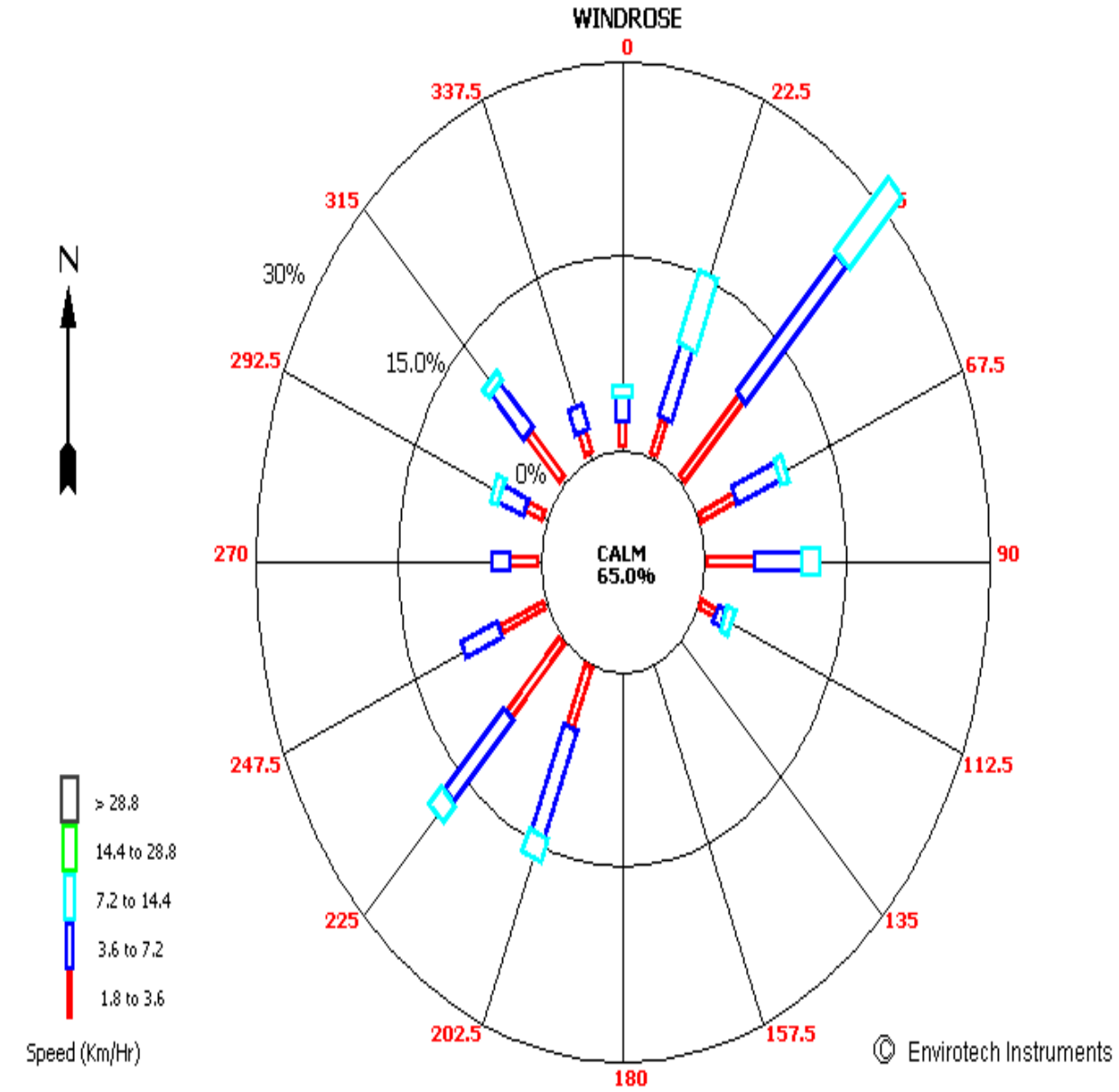
ADANI POWER RAJ. LTD
KAWAI



AVERAGE DAILY METEROLOGICAL DATA OF DECEMBER -2022

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
2022-12-01	15.2	26.5	31.5	74.3	0
2022-12-02	13.0	27.3	35.0	88.1	0
2022-12-03	15.3	26.1	39.0	81.5	0
2022-12-04	15.0	26.3	42.4	87.3	0
2022-12-05	16.1	26.4	49.0	80.4	0
2022-12-06	15.1	26.5	34.2	79.3	0
2022-12-07	13.0	27.6	27.4	89.2	0
2022-12-08	12.2	27.0	26.0	83.1	0
2022-12-09	13.0	27.6	31.3	84.2	0
2022-12-10	13.1	28.2	34.3	83.2	0
2022-12-11	13.5	28.2	40.4	93.1	0
2022-12-12	17.0	28.5	41.0	71.2	0
2022-12-13	19.0	28.1	30.3	66.4	0
2022-12-14	19.1	27.3	29.1	64.3	0
2022-12-15	16.0	28.5	36.6	88.1	0
2022-12-16	15.1	28.5	36.6	92.2	0
2022-12-17	14.0	27.3	43.4	93.1	0
2022-12-18	13.1	27.1	38.2	86.1	0
2022-12-19	13.4	27.5	36.1	87.4	0
2022-12-20	14.0	28.2	32.6	90.6	0
2022-12-21	16.1	29.1	37.1	75.6	0
2022-12-22	16.0	29.0	41.5	76.2	0
2022-12-23	16.0	27.4	50.1	79.5	0
2022-12-24	13.0	23.6	55.1	96.4	0
2022-12-25	11.0	23.4	32.3	88.3	0
2022-12-26	12.0	23.4	32.3	71.3	0
2022-12-27	11.4	23.0	38.0	87.5	0
2022-12-28	9.2	25.5	34.0	93.3	0
2022-12-29	12.2	28.3	29.1	89.2	0
2022-12-30	15.2	27.1	45.3	79.2	0
2022-12-31	12.1	23.3	48.1	91.0	0
Max.	**19.1**	**29.1**	**55.1**	**96.4**	**0**
Min.	**9.2**	**23.0**	**26.0**	**64.3**	

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Date : 01/12/22 - 31/12/22

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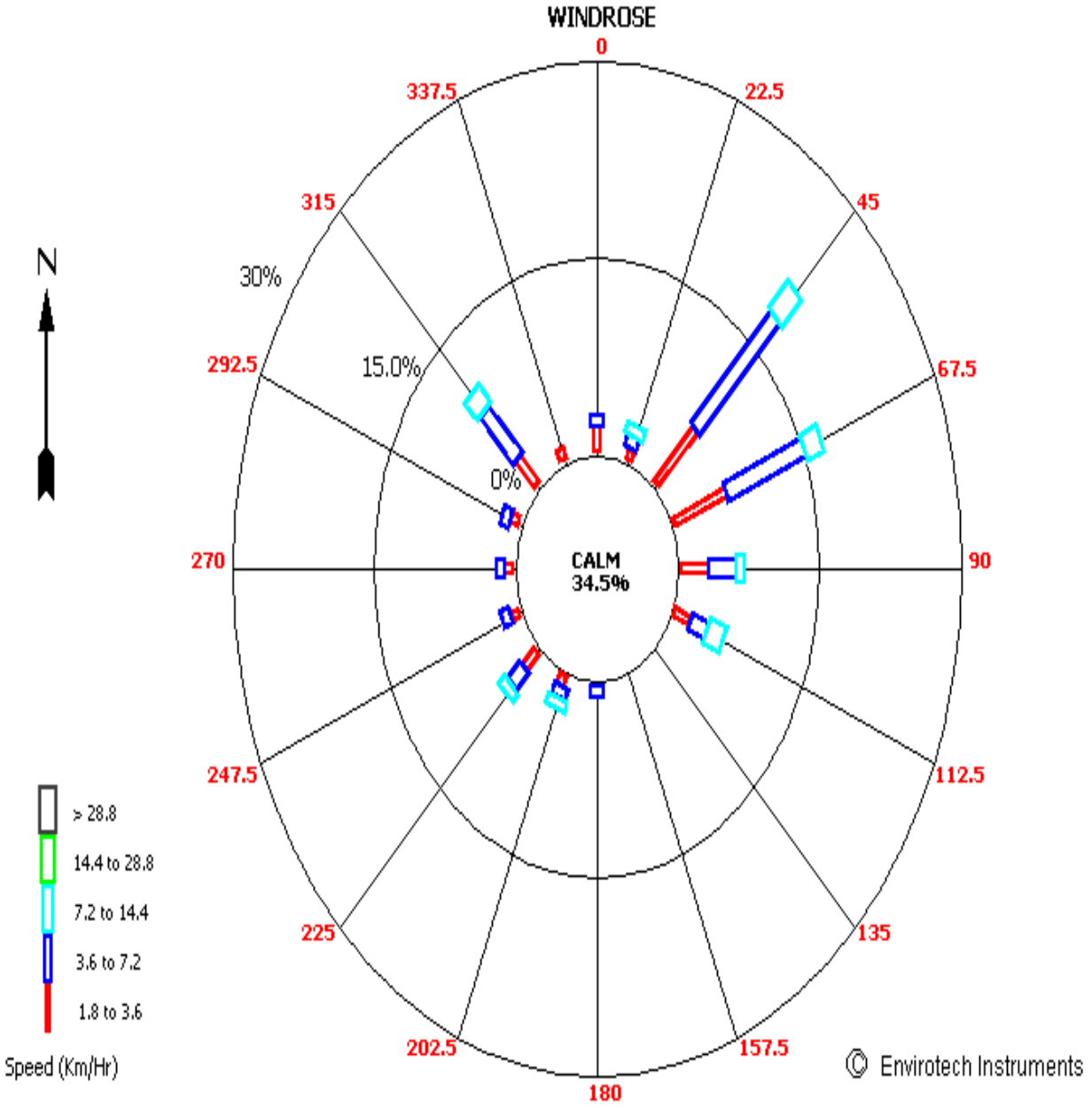
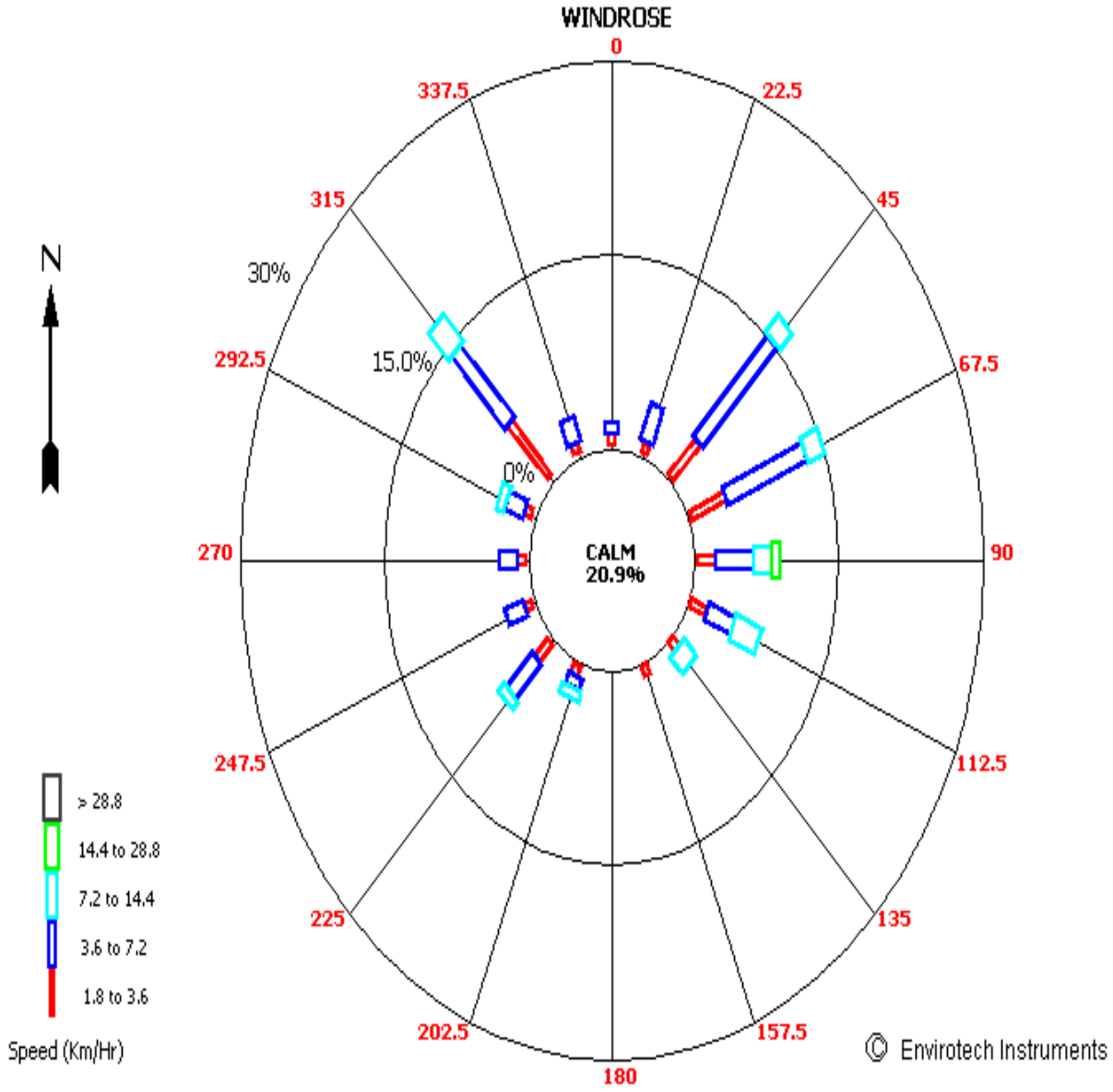


AVERAGE DAILY METEROLOGICAL DATA OF JANUARY-2023

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
2023-01-01	9.0	23.4	37.1	96.4	0
2023-01-02	10.2	22.3	40.0	96.2	0
2023-01-03	10.1	20.1	54.4	96.3	0
2023-01-04	7.2	20.1	54.4	96.1	0
2023-01-05	7.1	20.3	48.3	96.1	0
2023-01-06	6.1	21.3	42.0	96.1	0
2023-01-07	8.1	24.0	31.1	93.2	0
2023-01-08	9.1	26.0	33.0	93.6	0
2023-01-09	10.0	26.4	33.2	83.3	0
2023-01-10	10.4	27.3	34.1	92.1	0
2023-01-11	12.1	27.4	40.0	94.1	0
2023-01-12	12.3	20.3	56.0	91.4	0
2023-01-13	7.1	20.1	35.3	95.3	0
2023-01-14	14.0	27.5	46.3	84.5	0
2023-01-15	15.2	26.6	40.3	92.1	0
2023-01-16	8.1	21.5	32.1	89.2	0
2023-01-17	8.0	21.5	35.4	86.4	0
2023-01-18	9.2	23.5	23.1	81.2	0
2023-01-19	9.3	24.1	33.0	82.2	0
2023-01-20	11.6	25.0	44.0	75.2	0
2023-01-21	12.1	28.2	40.6	88.1	0
2023-01-22	15.1	26.2	57.3	93.5	0
2023-01-23	15.6	24.1	69.2	93.3	0
2023-01-24	15.2	25.5	64.0	96.6	0
2023-01-25	15.2	20.3	78.2	97.3	1.5
2023-01-26	14.0	21.3	74.1	97.1	0
2023-01-27	13.1	23.4	40.2	96.0	0
2023-01-28	9.0	25.4	36.2	96.2	0
2023-01-29	16.0	25.3	41.1	82.1	0
2023-01-30	15.0	22.0	59.2	97.0	8.5
2023-01-31	11.0	23.6	60.2	97.2	0
Max.	**16.1**	**28.2**	**78.2**	**97.3**	**10**
Min.	**6.1**	**20.1**	**23.1**	**75.2**	

Time : 00:00 - 23:00
Date : 01/01/23 - 31/01/23

Set Title



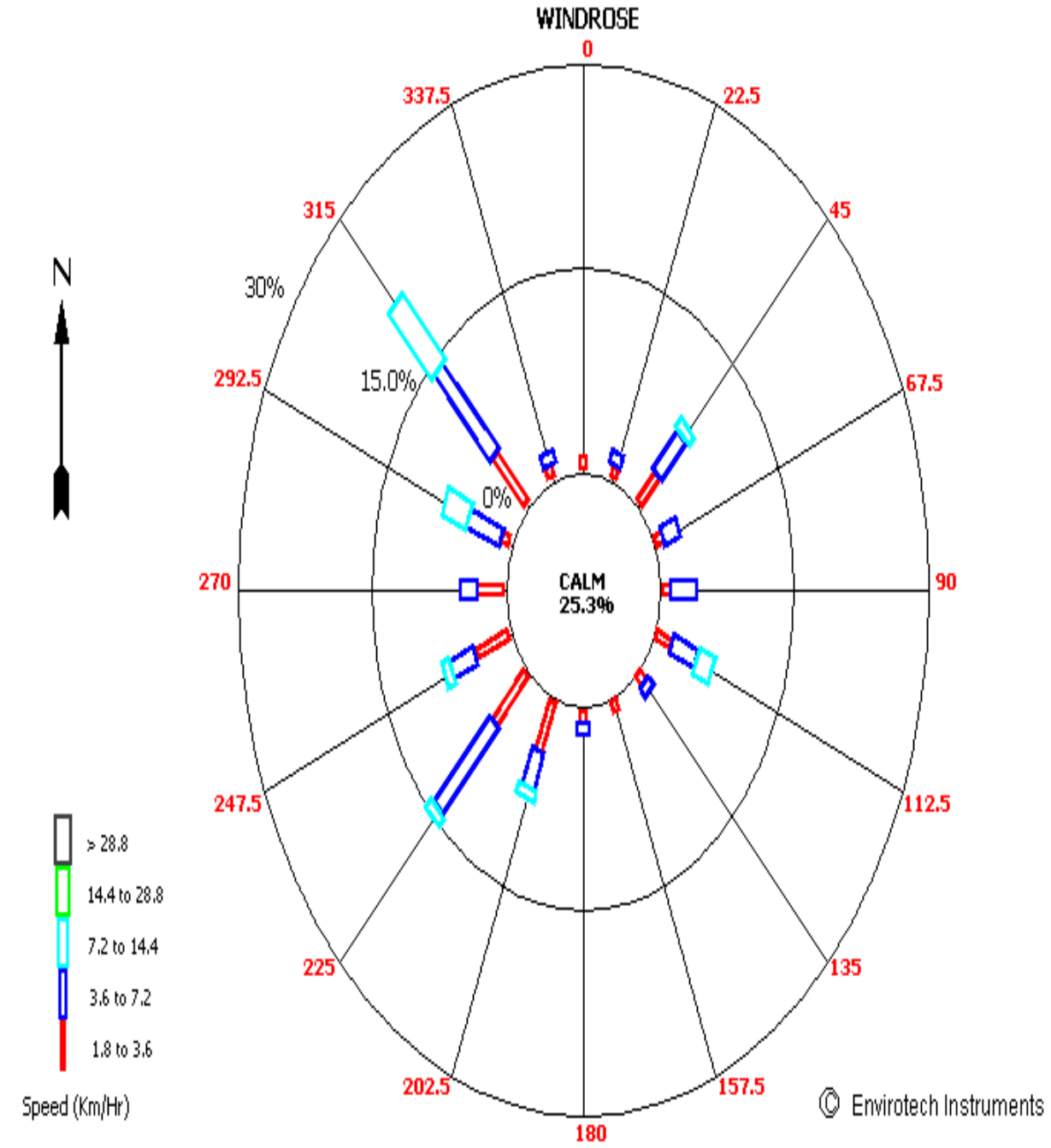
AVERAGE DAILY METEROLOGICAL DATA OF FEBRUARY- 2023

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
2023-02-01	11.0	23.6	60.2	97.2	0
2023-02-02	8.2	26.2	33.3	95.1	0
2023-02-03	10.1	28.6	28.2	95.4	0
2023-02-04	11.2	28.2	30.1	91.2	0
2023-02-05	13.0	30.5	28.0	82.4	0
2023-02-06	15.1	31.6	28.0	77.1	0
2023-02-07	16.6	27.6	32.1	83.3	0
2023-02-08	12.0	28.5	26.3	89.0	0
2023-02-09	13.1	31.3	26.3	82.5	0
2023-02-10	17.1	33.2	23.2	64.1	0
2023-02-11	16.2	30.3	37.1	69.6	0
2023-02-12	14.2	29.4	20.6	88.4	0
2023-02-13	12.6	25.5	26.3	67.1	0
2023-02-14	11.0	29.4	20.6	84.2	0
2023-02-15	13.0	32.0	23.1	67.1	0
2023-02-16	15.3	33.0	22.1	73.4	0
2023-02-17	16.2	32.3	30.3	81.4	0
2023-02-18	15.4	33.3	30.2	87.0	0
2023-02-19	16.1	34.6	23.4	83.2	0
2023-02-20	18.1	35.2	21.1	63.4	0
2023-02-21	19.2	35.3	17.1	52.6	0
2023-02-22	18.1	36.0	26.4	64.2	0
2023-02-23	18.5	34.0	27.5	74.3	0
2023-02-24	19.0	34.1	24.0	76.2	0
2023-02-25	18.6	34.5	20.0	73.1	0
2023-02-26	18.1	35.0	18.3	70.1	0
2023-02-27	19.1	34.3	18.1	57.2	0
2023-02-28	19.1	35.4	21.1	63.3	0
Max.	**19.2**	**23.6**	**60.2**	**97.2**	**0**
Min.	**8.2**	**36.0**	**17.1**	**52.6**	

Time : 00:00 - 23:00

Date : 01/02/23 - 28/02/23

Set Title



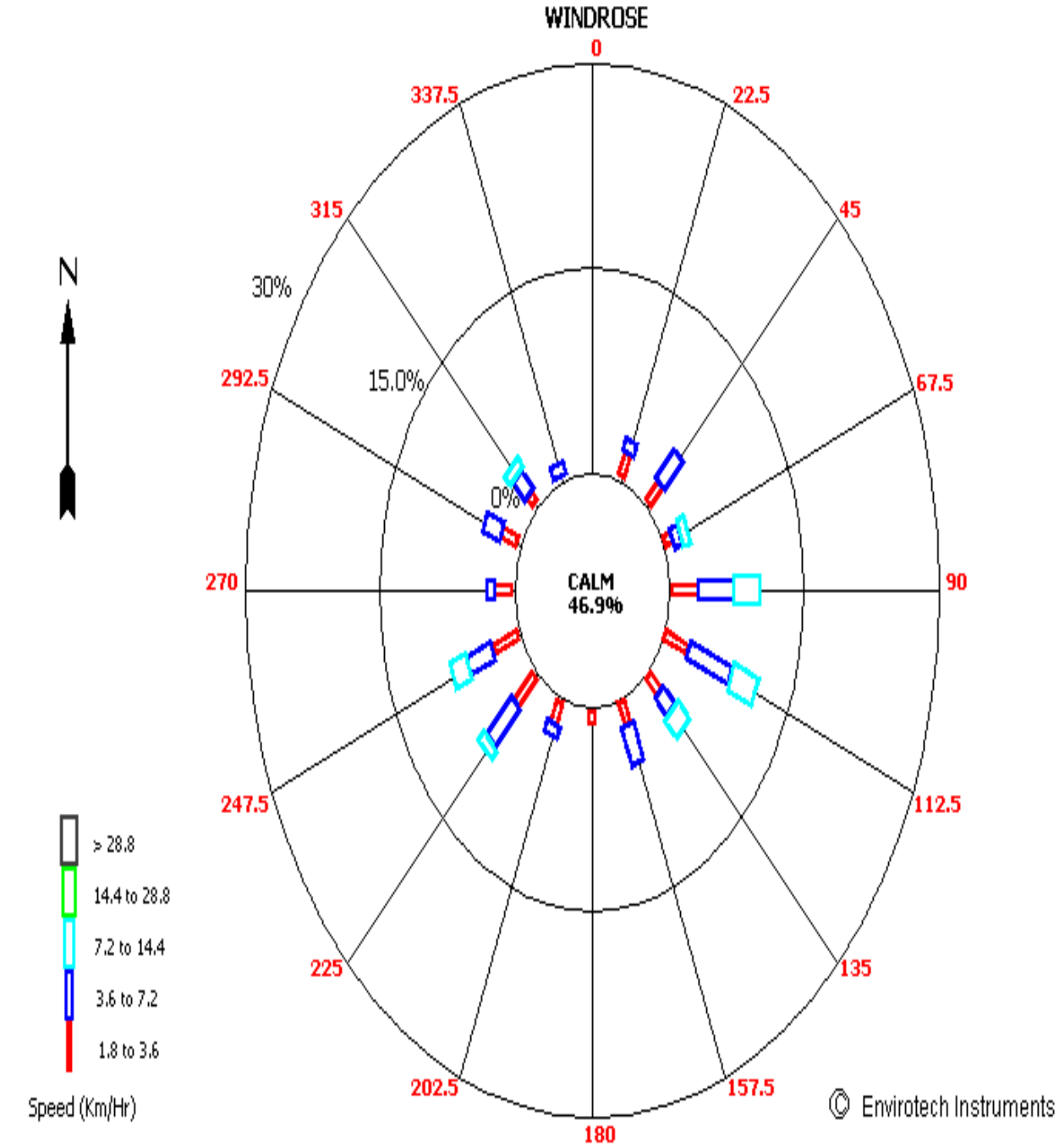
AVERAGE DAILY METEROLOGICAL DATA OF MARCH- 2023

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
2023-03-01	20.0	35.3	26.3	59.3	0
2023-03-02	20.2	36.4	25.2	73.0	0
2023-03-03	20.0	37.3	22.1	71.1	0
2023-03-04	21.1	33.3	29.1	63.0	0
2023-03-05	19.0	33.4	30.0	89.4	7
2023-03-06	18.2	42.3	31.6	82.1	8
2023-03-07	19.0	28.2	46.4	82.1	0
2023-03-08	17.1	32.3	30.4	87.5	0
2023-03-09	16.0	31.2	33.3	92.2	0
2023-03-10	18.1	31.6	26.1	81.5	0
2023-03-11	18.2	35.0	21.2	73.1	0
2023-03-12	20.1	36.3	18.0	66.2	0
2023-03-13	22.0	36.4	19.4	55.2	0
2023-03-14	21.2	36.1	18.6	57.6	0
2023-03-15	21.3	36.3	17.4	58.0	0
2023-03-16	22.1	34.2	23.3	55.6	0
2023-03-17	21.0	34.0	28.0	76.4	0.5
2023-03-18	20.2	32.3	31.3	89.5	0
2023-03-19	19.2	31.4	28.2	82.0	0
2023-03-20	19.0	30.4	38.2	96.3	19.5
2023-03-21	19.1	31.1	33.3	93.4	0
2023-03-22	18.3	30.3	32.5	90.3	0
2023-03-23	21.0	34.0	29.1	79.2	0
2023-03-24	22.0	34.1	29.0	69.1	0
2023-03-25	21.4	34.5	23.0	71.4	0
2023-03-26	21.0	35.3	20.5	65.1	0
2023-03-27	22.0	34.5	24.1	58.1	0
2023-03-28	22.2	36.0	20.2	54.2	0
2023-03-29	22.0	37.2	20.1	48.1	0
2023-03-30	24.1	34.4	23.2	61.2	0
2023-03-31	20.2	34.0	38.2	85.5	0
Max.	**24.1**	**42.3**	**46.4**	**96.3**	**35**
Min.	**16.0**	**28.2**	**17.4**	**48.1**	

Time : 00:00 - 09:00

Date : 01/03/23 - 31/03/23

Set Title



4. AMBIENT AIR QUALITY

Air quality monitoring is carried out to assess the extent of pollution, ensure compliance with national legislation, evaluate control options, and provide data for air quality modeling. There are several different methods to measure any given pollutant, varying in complexity, reliability, and detail of data.

The locations for monitoring stations depend on the purpose of the monitoring. Most monitoring networks are designed with human health objectives in mind, and monitoring stations are therefore established in population centers.

The measurements were conducted during the period of October-2022 to March-2023.

The air samples were analyzed as per the standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring are given in table as below:

TABLE 4.1 TECHNICAL PROTOCOLS USED FOR AMBIENT AIR QUALITY MONITORING.

S. No.	Parameter	Protocol Followed
1	Particulate Matter, PM_{10}, $\mu g/m^3$	IS: 5182 (P-23)
2	Particulate Matter, $PM_{2.5}$, $\mu g/m^3$	CPCB Guidelines (Gravimetric Method)
3	Nitrogen Dioxide (NO_2), $\mu g/m^3$	IS: 5182 (P-6)
4	Sulphur Dioxide (SO_2), $\mu g/m^3$	IS: 5182 (P-2)
5	Carbon Monoxide, $\mu g/m^3$	IS: 5182 (P-10)
6	Ammonia, $\mu g/m^3$	CPCB Guidelines
7	Ozone, $\mu g/m^3$	APHA 1977, Part819
8	Lead, $\mu g/m^3$	IS: 5182 (P-22)
9	Arsenic, ng/m^3	IS: 5182 (P-22)
10	Nickel, ng/m^3	IS: 5182 (P-22)
11	Benzene, $\mu g/m^3$	IS: 5182 (P-11)
12	Benzo-alfa-pyrene, ng/m^3	CPCB Guidelines
13	Mercury (Hg), ng/m^3	APHA 2012: 3112 B

4.1 AMBIENT AIR QUALITY RESULTS

The detailed on-site monitoring results of twelve parameters as per NAAQMS along with Hg are presented in table as given below:

TABLE 4.2: AMBIENT AIR QUALITY MONITORING RESULTS OF SURROUNDING VILLAGES

Quarter III (October-2022 to December-2022)					
S. No.	**Parameter**	**Sidni (Near Labour Colony)**	**Kawai Village**	**Mukhandpura**	**NAAQ Standard**
1	Particulate Matter, $PM_{10,}$ µg/m^3	60.59	69.67	65.49	100
2	Particulate Matter, $PM_{2.5,}$ µg/m^3	32.35	41.43	33.18	60
3	Nitrogen Dioxide (NO_2), µg/m^3	15.28	14.82	14.71	80
4	Sulphur Dioxide (SO_2), µg/m^3	5.16	7.02	5.06	80
5	Carbon Monoxide, µg/m^3	310	360	260	4000
6	Ammonia, µg/m^3	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	400
7	Ozone, µg/m^3	24.64	29.1	24.9	100
8	Lead, µg/m^3	0.11	0.14	0.16	1.0
9	Arsenic, ng/m^3	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	6.0
10	Nickel, ng/m^3	6.8	8.5	6.3	20
11	Benzene, µg/m^3	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	5.0
12	Benzo-alfa-pyrene, ng/m^3	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	1.0
13	Mercury (Hg), ng/m^3	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	-

Quarter IV (January-2023 to March-2023)					
S. No.	**Parameter**	**Sidni (Near Labour Colony)**	**Kawai Village**	**Mukundpura**	**NAAQ Standard**
1	Particulate Matter, $PM_{10,}$ µg/m^3	70.79	66.26	74.22	100
2	Particulate Matter, $PM_{2.5,}$ µg/m^3	27.98	28.25	28.76	60
3	Nitrogen Dioxide (NO_2), µg/m^3	12.89	12.16	12.63	80
4	Sulphur Dioxide (SO_2), µg/m^3	6.07	5.6	7.67	80
5	Carbon Monoxide, µg/m^3	270	320	350	4000
6	Ammonia, µg/m^3	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	400
7	Ozone, µg/m^3	25.6	24.6	25.6	100
8	Lead, µg/m^3	0.1	0.12	0.09	1.0
9	Arsenic, ng/m^3	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	6.0
10	Nickel, ng/m^3	7.9	8.9	8.6	20
11	Benzene, µg/m^3	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	5.0
12	Benzo-alfa-pyrene, ng/m^3	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	1.0
13	Mercury (Hg), ng/m^3	ND	ND	ND	-

5. AMBIENT NOISE LEVEL

The measurements are done using the sound level meter. The results of the same are provided below. [Note: (i) The value is the Leq of ten readings taken in Day time and Nighttime.]

1. Day time shall mean from 6:00 am to 10:00 pm
2. Nighttime shall mean from 10:00 pm to 6:00 am.

TABLE 5.1: NOISE MONITORING RESULTS [RESIDENTIAL AREA]

Quarter III (October- 2022 to December- 2022)		
Location	**Day Time Leq in dB(A)**	**Night-time Leq in dB(A)**
Sidni (Near Labour Colony)	53.3	43.2
Kawai Village	53.8	44.5
Mukhandpura	52.3	42.5

Quarter IV (January-2023 to March-2023)		
Location	**Day Time Leq in dB(A)**	**Night-time Leq in dB(A)**
Sidni (Near Labour Colony)	51.4	39.8
Kawai Village	53.9	43.2
Mukhandpura	51.6	40.5

6. STP WATER

The measurements were conducted during the period of October 2022 to March-2023. The parameters covered in the monitoring are depict below:

TABLE 6.1: RESULTS OF STP WATER

Quarter III (October-2022 to December-2022)								
S. No.	**Parameter**	**45 KLD Adani Vidhayala New**	**45 KLD STP near Adani Vidhayala (Old)**	**60 KLD Township New**	**10KLD III Guest House**	**10KLD 3 BHK**	**60KLD STP in Township (Old)**	**10KLD Health centre**
1	pH (at 25°C)	7.31	7.27	7.37	7.08	7.55	7.18	7.24
2	Total Suspended Solid (TSS) mg/l	10.0	25.0	28.0	7.0	15.0	32.0	24.0
3	Nitrate Nitrogen mg/l	5.5	6.63	6.74	5.17	3.53	6.84	5.22
4	Ammonical Nitrogen (as NH_3-N) mg/l	5.64	6.13	4.56	6.60	5.37	6.17	6.18
5	Biochemical Oxygen Demand (BOD) mg/l	12.67	8.57	7.29	6.29	7.83	7.13	10.5
6	Chemical Oxygen Demand (COD) mg/l	71.81	60.38	40.18	48.96	55.49	52.77	85.57
7	Total Kjeldahl Nitrogen mg/l	13.21	16.82	14.25	11.28	13.70	24.15	18.74
8	Oil & Grease mg/l	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9	Free Available Chlorine mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
10	Bioassay Test	100% Survival of Fish after 96 hours in 100% dilution	90% Survival of Fish after 96 hours in 100% dilution	90% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution	90% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution

Quarter IV (January- 2023 to March-2023)								
S. No.	**Parameter**	**45 KLD Adani Vidhayala New**	**45 KLD STP near Adani Vidhayala (Old)**	**60 KLD Township New**	**10KLD III Guest House**	**10KLD 3 BHK**	**60KLD STP in Township (Old)**	**10KLD Health Centre**
1	pH (at 25°C)	7.18	7.5	7.61	7.28	7.12	7.65	7.52
2	Total Suspended Solid (TSS) mg/l	21.0	29.0	25.0	36.0	40.0	18.0	25.0
3	Nitrate Nitrogen mg/l	6.28	7.04	5.59	6.97	5.66	5.74	6.09
4	Ammonical Nitrogen (as NH_3-N) mg/l	6.48	7.74	6.08	9.45	14.81	7.91	7.66
5	Biochemical Oxygen Demand (BOD) mg/l	12.5	10.8	9	22	18.75	13.67	11
6	Chemical Oxygen Demand (COD) mg/l	87.26	80.8	67.87	168.96	147.2	109.89	74.34
7	Total Kjeldahl Nitrogen mg/l	12.74	21.72	16.82	17.45	38.66	19.72	21.49
8	Oil & Grease mg/l	4.0	4.0	4.0	5.0	5.0	4.0	3.0
9	Free Available Chlorine mg/l	BDL (<0.1)	BDL (<0.1)	0.2	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
10	Bioassay Test	90% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution	80% Survival of Fish after 96 hours in 100% dilution	90% Survival of Fish after 96 hours in 100% dilution	100% Survival of Fish after 96 hours in 100% dilution

adani

Foundation

Corporate Social Responsibility

Six-month Report (October 2022- March 2023)

Adani Power Rajasthan Limited, Kawai

Overview of Kawai Site

At present we are working in 28 villages, 14 Gram Panchayats, 1 Block of district Baran.
8,475 household, 42,834 population , 32 Schools, 45 Aanganwadi's, 1 District Hospital, 2 CHC, and 2 PHC.

Cluster details: All 28 village divided in to 4 clusters.

Cluster One (Core Zone)	Cluster Two (Pipe Line Zone)	Cluster Three (Anicut Area)	Cluster Four (Buffer Zone)
• Chatrapura • Baldevpura • Dhara • Nimoda • Khedligaddiyan • Salpura • Kawai • Mukundpura	• Sodalehri • Kharkhada Ramlothan • Dadwara • Bamori • Chothya • Mytha • Hatidilod • Phoollbaroda • Zarkhand	• Atru • Aton • Baldevpura (anicut) • Kunjer	• Aamapura • Bamapura • Lolahedi • Sindhani • Haniheda • Barla • Khedli bansla

Education

JNV coaching classes:

- Total 3 JNV coaching center running at Kawai, Atru & K.Ramlothan; 80 students taking coaching after selection from 120 enrolment.
- Periodic meeting with parents, weekly test, refreshment and guest lecture arrange for JNV coaching students.
- In final Parents meeting Station head APRL, Sarpanch, Principals of JNV, Model school and Mahtma Gandhi English school interacted with coaching students and their parents.

Library setup in 9 schools:

- Provide library furniture to 9 Govt. Sr. sec. schools. All school arranged library inaugural ceremony with Annual function.
- SDM, Pradhan, CBEO, Sarpanch, public leaders, school staff and all community key person appreciate this initiative and handover Appreciation certificate to program officer.

UDAAN:

- 10 exposure visits conducted with 527 participants. Reach to 113% of total target.
- Total Rs. 37170/- revenue generated and reach to 160% of total target.

UDAAN- Particulars	Consolidated 2022-23	Consolidated Project Start to Till Month
No. of Visits	30	213
No. of Beneficiary	1581	12966
Revenue collection (Rs.)	96111	207611

Sports training and competition: Total 3697 players benefited.

- District level tournament- 215 player from 19 teams.
- State level tournaments- 2124 player from 144 teams.
- Support to open Kawai cricket tournament and recognize to winners with Adani cup.
- With support of Adani total 30 player participated in State level tournaments in various games.
- Organize an event at APRL and recognize to players and their coach in presence of Station head and RBNQA assessor.

Provide Roti making machine to JNV Atru:

- Automatic Chapati Making Machine with Capacity of 2000 Roti / hour; Serving benefits to 571 students with hot and soft roti in hygienic way.

Extracurricular activities with nearby schools:

- Solar lamp distribution to Girls students of Dhara gram panchayat.
- Attended Republic day and Annual function program in various schools like- JNV atru, Govt. school Dhara, Aton, Barla and Kanvarpura.
- Celebrated Road safety week and organize awareness session and poster competition with 200 students at Govt. school Dhara.

Education

Meeting for JNV coaching

JNV coaching classes

Library inauguration

Library @Dilidhathi

Station head @ UDAAN visit

State level games @Baran

State level selected players

Solar lamp distribution

Adani Vidyalaya, Kawai

- **Academic activities:**
  - Students participated in Hummingbird and Science Olympiad examination 2022.
  - Certificate distributed to children of various competitions and activities.
  - Students visited to Daily need shop for money and product knowledge.
  - Prize distribution of IGKO Olympiad examination.
  - Conduct Extra classes for Humming-Bird Level-2 examination.
  - FINAL BID ADIEU to class 5th : Cultural program and farewell party organized for 5th class students.
  - Students participated in various activities and select Miss & Mr. AVK.
  - As schedule Parents Teachers Meeting conducted. PA-3 and PA -4 papers were shown to the parents.
  - Result declared and organize exhibition of Art-Craft and other activities as prepare by students in this academic session.
- **Event celebration and extracurricular activities @ AVK:**
  - All National days, Occasion and Festivals celebrated @AVK like- Diwali, Childrens day, Republic day, Holi, national science day, Energy conservation week, Road safety week etc.
  - Music, Art & craft classes ongoing for all students.
  - Organize talent hunt competition on Christmas eve; all students participated and awarded to best performer by jury.
  - Poster making competition, Grid art and house EVS activity & movie show arrange for all students.
  - Grain and cloths distribution to housekeeping staff by AVK children on eve of New year.
  - Organize an event and recognize to all winners of Fathers' day fireless cooking activity.
  - Summer camp organized at AVK: (16 to 23rd March 2023)
  - Conduct various activities in summer camp like- Art & craft, Dance & Singing, Gaming, Yoga classes and many more fun activities.
- **Trainings and Learning activities for teachers:**
  - Training on energy conservation by APRL team.
  - Fire & safety workshop by Safety department APRL.
  - Workshop on electrical safety by Electrical department APRL.

Adani Vidyalaya, Kawai

Workshop for Teachers

Certificate to students

Magic show- Children day

Music classes @AVK

Energy conservation week

Final BID ADIEU to class 5

Republic day celebration

Parents-Teachers meeting

Community Health

- **Mobile health care unit:-**
  - MHCU covered 28 villages in a week and provide doorstep health facilities to community.

Month	Village OPD				Other services				
	Male	Female	Children	Total	School & other camp	Blood sugar testing	Referred cases	Home visits	Awareness session
October	686	574	392	1652	14	20	1	5	4
November	1174	1096	810	3080	20	14	1	6	8
December	1181	1036	815	3032	11	18	1	8	9
January	1014	945	703	2662	16	56	1	8	4
February	1000	886	616	2502	32	22	0	5	5
March	1100	850	700	2650	24	12	0	5	5
Total	6155	5387	4036	15578	117	142	4	37	35

- **Multi speciality health camp:-**
  - In association with Health department under Government scheme "AAYUSHMAN BHARAT HEALTH WELLNESS PROGRAM" organize Health Mela in Atru block.
  - Total 2804 Beneficiary Treated of various dieses in 06 health mela.
  - The service provided in the camps were various disciplines like:- Gynaecology, Skin, Eye, Paediatrics, Dental, Orthopaedics, Psychologist, Ayurvedic, ENT & General health.
  - We also provided 48 type testing facilities & awareness about running Government schemes.

Community Health

MHCU ongoing service

Home visit by MHCU

School health camp

Awareness session

Registration @Health camp

Eye checkup @Health camp

Vaccination @Health camp

Appreciation by Block CMHO

Community Health (Case Study)

Case Study

- **Name - Sultan Begum**
- **Age - 84 years**
- **Site Name – Atru**

Sultan Begum lives in Atru, she is healthy and going strong with the age of 84years still. She is a regular beneficiary of our MHCU from last 5 Years. Our team visits her every week, to provide her medical assistance. When she first visited our van, about 5 years ago, suffering from hypertension type1 and chronic COPD. She was struggling with herself. She consulted our staff at MMU-Kawai, she was regularly monitored, checked and visited at her home.

Proper consultation, prescription and regular medicine helped in improving her health. Now, Her health conditions are improving and she carries out her daily chores by herself. She walks to our van and bless us for our assistance. She gets her routine medicine and she wish us well.

Our MHCU staff has been working tirelessly to deliver assistance to the most vulnerable and to the people in need as they reside remotely without any medical aid. This has been an exemplary attempt of Adani Foundation with the help of HelpAge India for a better and healthy community. Medical Consultation with suitable treatment compliance including free medicines, counselling and regular health check-up has made this project a success.

Community Health (Case Study)

Case Study

- **Name - Balram s/o Kishan Lal**
- **Age - 40 years**
- **Site Name – Salpura**

Balram lives in Salpura, he is healthy but instead suffering from a serious illness in his left foot. He is suffering from Mycetoma Foot and Actinomycosis in lower lymph. He is a regular beneficiary of our MHCU from last 2 Years. Our team visits him once in 15 days, to provide him medical assistance. When he first visited our van, about 2 years ago, suffering from mycetoma foot, he was in critical condition. He consulted our staff at MMU-Kawai, he was regularly monitored and checked.

Proper consultation, prescription and regular medicine helped in improving his health. Now, His health conditions are improving, he walks to our van for ointment and other medication. He gets his routine medicine and He wish us well.

Our MHCU staff has been working tirelessly to deliver assistance to the most vulnerable and to the people in need as they reside remotely without any medical aid. This has been an exemplary attempt of Adani Foundation with the help of HelpAge India for a better and healthy community. Medical Consultation with suitable treatment compliance including free medicines, counselling and regular health check-up has made this project a success. .

Community Health (Case Study)

Case Study

- **Name – Nand kishore**
- **Age - 80 years**
- **Site Name – Kunjer**

Nand Kishor Ji lives in Kunjer, he is healthy now but suffering from COPD(Chronic Obstructive Pulmonary Disease) from past 7-8 years. He is a regular beneficiary of our MHCU from last 7 Years. Our team visits him once every week, to provide him medical assistance. He first visited our van, about 7 years ago, suffering from COPD, as he was in critical condition. He had regular cough, breathlessness sometimes chest pain. He consulted our staff at MMU-Kawai, he was regularly monitored and checked.

Proper consultation, prescription and regular medicine helped in improving his health. Now, His health conditions are better. He takes precautions according to the consultation given to him. He gets his routine medicine and He wish us well.

Our MHCU staff has been working tirelessly to deliver assistance to the most vulnerable and to the people in need as they reside remotely without any medical aid. This has been an exemplary attempt of Adani Foundation with the help of HelpAge India for a better and healthy community. Medical Consultation with suitable treatment compliance including free medicines, counselling and regular health check-up has made this project a success. .

Sustainable Livelihood

PASHUDHAN: –

We are implementing cattle breed improvement programme since 2017 in 27 villages.

- ❖ 566 Cattle covered thru Artificial insemination during Oct.- March 2023.
- ❖ 205 new calf born during Oct.- March 2023.
- ❖ 242 cattle found pregnant during Oct.- March 2023.
- ❖ 24 training conducted for farmers during Oct.- March 2023.
- ❖ Station head-APRL visited to Nimoda village to see the Bio-Gas project.
- ❖ Feed supplementary distributed to 150 farmers and Fodder seed provided to 100 farmers.
- ❖ 15 Animal health camp organized in nearby villages..
- ❖ Provide Azolla grass to 15 farmers and Wormi-compost to 15 farmers.
- ❖ Mineral mixture provided to 300 farmers.

Sr. No.	Particular	Achievement till March 2023
1	Artificial Insemination	4403
2	Pregnant	2253
3	Calves	1581
4	Vaccination	7958

Sustainable Livelihood

KRISHI KOUSHAL: -

- Fodder seed distributed to 350 Farmers. And Nepier grass distributed to 30 Farmers.
- Beneficiary sign board installation- 12 location. And Vegetable seed distribution to 9 farmers.

Institution Building –

- FPO BOD visit to Hadoti mahila FPO at Anta. And Conduct exposure visit to Saras dairy Baran- 45 women participated.
- In regular interval meetings organized with FPO Board members.
- Organize 5 capacity building training for village facilitator. And Organize 1 training session for FPO share holders.
- 27 Village level meetings conducted with FPO shareholders.
- Defreezer support to 2 milk centers.

Women empowerment program – 31st March 2023

- Organize an event at APRL premises where more than 300 women FPO shareholders participated.
- District collector, Local MLA, Deputy director- Agriculture Dept., Station head-APRL, Members of Shanti-Urja club, and many HOD's of APRL participated.
- DM and MLA appreciate the efforts of Adani foundation and ensure for support and linkage to FPO and other social programs of Adani with Govt. schemes.

Sustainable Livelihood

Training for FPO members

Fodder seed distribution

Training for FPO shareholders

Exposure visit to Saras dairy

Monthly village level meeting

Exposure visit for FPO

Women's day program

Farmers training

Community Infrastructure Development

Construction of Boundary wall & theme based Painting work at Dhara school–

- Work completed boundary wall, stage, ground leveling and theme based painting work.
- Students and villagers enjoying the new look of their school as demonstrate "भारतीय शिक्षा रेल".
- Teachers, Gram panchayat and Education department appreciate to this theme-based renovation.
- To provide essential facilities in schools which are really need of basic education and take an initiative for development of education system through improve basic infrastructure.

Water Pond Deepening & Embankment–

- Pond deepening work completed.
- Improve infrastructure for community of core zone with water conservation.

Construction of CC road at Salpura–

- Work completed CC road and tree guard structure on bank of road.
- Provide safe pathway to salpura village community.

Community Infrastructure Development

Before- Govt. Sr. sec. school Dhara

After- Govt. Sr. sec. school Dhara

Train look of school

Stage construction @ school

CC road @Salpura

Pond deepening @Dhara

RBNQA Assessment

Ramkrishna Bajaj National Quality Awards–

- APRL pursue for RBNQA; Assessment session organize on 19th to 21st December 2022.
- CSR department participated to demonstrate sustainability and societal contribution of APRL.
- Team Kawai provides all required things to business and engage to Assessment team with community.

Conduct field visit for Assessment team-

- During 6- hour field visit we demonstrate the all-core field in front of Assessor.
- Assessor visited to total 5 villages and seen our- Multi-speciality health camp, quality infrastructure development, Orchard development project, Diary development and FPO project.
- Arrange small event at plant where Assessor interacted with teachers & students who selected for state level games.
- As feedback Assessor appreciate our efforts and encourage the Goodness of Adani foundation.

RBNQA team @Khedli gaddiyan

RBNQA team @CHC Kawai

RBNQA team @Nimoda

RBNQA team with State players

Award and Accolades

Awarded on District level Republic Day program -

- District administration Baran recognize for providing support in NAYA SAVERA Health Project & Mobile heath care program and awarded at Republic day district level event.
- The appreciation letter handed over by Sh. Pramod jain Bhaya (Cabinet minister- Rajasthan Government) in presence of District Collector Mr. Narendra Gupta, many Govt. institutions and huge gathering on republic day.

Awarded on Republic Day Block level program -

- Subdivision office and Nagar palika Atru recognize our effort about Animal husbandry related program and awarded at Republic day block level event.
- The appreciation letter handed over by local MLA Mr. Panachand Meghwal in presence of SDM of Atru block.

HADOTI KHEL GORAV SAMMAN-

- Rajasthan physical Teachers association recognize us with "HADOTI KHEL GORAV SAMMAN" for provide support to uplift the sports activities in Baran district.
- The award handed over by Zilla Pramukh Mrs. Urmila jain Bhaya in presence of Mayor of Baran Mrs. Jyoti paras, deputy mayor Sh. Naresh Goyal and Deputy director Education dept, Sh. Rampal meena.

Awarded with BHAMASHAH SAMMAN -

- Nearby 9 Govt. schools recognized our valuable effort and awarded with BHAMASHAH SAMMAN.
- SDM, Pradhan, CBEO, Sarpanch, public leaders, school staff and all community key person appreciate our initiatives and handover Appreciation certificate.

PANCHAM HADOTI GORAV SAMMAN-

- New Kota international society recognize us with "PANCHAM HADOTI GORAV SAMMAN" for provide support to society under various CSR programs in Baran district.
- The award handed over by MLA- Kota Mr. Sandeep sharma in presence of Amit Dhariwal, Harikrishna Birla, and many prominent people of Kota zone.

Award and Accolades

District level award on Republic day

Hadoti Khel Gorav Samman @Baran

Pancham Hadoti Gorav Samman @Kota

Block level award on Republic day

Bhamashah award @UPS Kanvarpura

Bhamashah award @GSSS Aton

Media Coverage

Media Coverage


अडानी फाउंडेशन के प्रोजेक्ट उड़ान के तहत अदानी प्लांट का किया भ्रमण


अदानी फाउंडेशन द्वारा दड़ा में चारदीवारी निर्माण हेतु भूमि पूजन


अदानी फाउंडेशन कवाई द्वारा 5 गांव में बायोगैस संयंत्र की स्थापना


अदाणी फाउंडेशन द्वारा स्वास्थ्य पर दिया गया प्रशिक्षण


कवाई में अदानी फाउंडेशन ने आयोजित किया स्वास्थ्य व स्वच्छता पर प्रशिक्षण


अदानी फाउंडेशन द्वारा उन्नत पशुपालन पर प्रशिक्षण

बीज उत्पादन की उन्नत तकनीक बताई


अदानी पावर प्लांट में छात्रों ने किया भ्रमण


निःशुल्क स्वास्थ्य जांच शिविर में 719 लोगों ने उठाया लाभ


अदाणी फाउंडेशन के उड़ान कार्यक्रम से 209 विद्यालयों के 12700 विद्यार्थी लाभान्वित


अदानी फाउंडेशन कवाई द्वारा … संस्था के साथ मिलकर मार्च 2022 में 6 गांव में बायोगैस संयंत्र की स्थापना की गई


अदाणी फाउंडेशन हाड़ौती खेल गौरव सम्मान से सम्मानित

Budget V/s Actual FY 2022-2023

Sr No	Activities	Cost Centre	Internal Order	Proposed Budget F.Y.2022-23			Expenses up to March-2023 (in Lacks)	% of utilization	Remarks
				Capex	Opex	Total			
A.	General Management and Administration	35004401		16.50	32.47	48.97	56.66	115.71%	
B.	Education	35004000		0.00	20.60	20.60	21.08	102.33%	
C.	Community Health	35004101		0.00	93.18	93.18	103.24	110.80%	
D.	Sustainable Livelihood Development	35004301		0.00	66.44	66.44	74.29	111.82%	
E.	Community Infrastructure Development	35004201		0.00	54.66	54.66	51.75	94.68%	
	Total Budget:			**16.50**	**267.35**	**283.85**	**307.03**	**108.16%**	

adani

Growth with Goodness