

**SIX MONTHLY COMPLIANCE REPORT OF**  
**ENVIRONMENTAL CLEARANCE (EC)**

**1320 (2 x 660) MW Thermal Power Plant**

**At**

**KAWAI VILLAGE, ATRU TEHSIL**  
**BARAN DISTRICT**  
**RAJASTHAN**

*Submitted to:*

**Central Regional Office, Lucknow**  
**Ministry of Environment & Forests & Climate Change**  
**Central Pollution Control Board, New Delhi & Rajasthan**  
**State Pollution Control Board, Jaipur**

**adani**

Power

*Submitted By:*

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

**PERIOD: OCTOBER-2020 to MARCH-2021**

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## **Adani Power Rajasthan Limited**

### **Introduction**

Adani Power Rajasthan Ltd. (APRL), a wholly owned company of Adani Power Limited, has established 1320 MW (2x660 MW) Coal based Supercritical Thermal Power Plant at Kawai, Tehsil Atru, District Baran in Rajasthan.

Kawai Thermal Power Plant is located near village Kawai, Tehsil Atru, District Baran (Rajasthan). The power plant is based on supercritical, energy efficient & environment friendly technology.

APRL has obtained Environmental Clearances (EC) from Ministry of Environment & Forest & Climate change (MoEFCC) and has also obtained Consent to Establish (CTE) as well as Consent to Operate (CTO) from Rajasthan Pollution Control Board (RPCB). The plant is fully operational since December '2013. As the part of the compliance of statutory requirement environmental quality monitoring is being done inside the premises and also in nearby villages.

Ambient Air Quality Monitoring Stations has been established in consultation with Rajasthan State Pollution Control Board, three locations within the plant premises & three locations outside plant in different village based on meteorology of the site and consultation with State Pollution Control Board, Presently Environmental monitoring & analysis is being carried out by **M/s Team Institute of Science & Technology, Jaipur, Rajasthan**

Point wise compliance status of Environmental Clearance for 1320 (2x660) MW for coal based Supercritical Kawai Thermal Power Plant is furnished herewith.

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**Compliance Status on Environmental Clearance  
1320 (2×660) MW Coal Based Kawai Thermal Power Plant**

vide letter No. J-13012/154/2008-IA.II (T) dated 04.05.2011 & its subsequent amendment dated 13.03.2014

A	Specific Condition	Status
(i)	Vision document specifying prospective plan for the site shall be formulated and submitted to the Ministry within six months.	Complied. Vision document had already been submitted along with first EC Compliance report.
(ii)	In case source of fuel supply is to be changed at a later stage (now proposed on imported coal from South Africa) the project proponent shall intimate the Ministry well in advance along with necessary requisite documents for its concurrence for allowing the change. In such a case the necessity for re-conducting public hearing may be decided by the ministry in consultation with the Expert Appraisal Committee.	Complied MoEF&CC has amended the Environmental Clearance vide letter No. J-13012/154/2008/IA.II (T) dated 13.03.2014 for Indigenous / Domestic Coal from Subsidiary companies of Coal India Limited in place of Imported Coal with some additional conditions. The compliance of the additional conditions is included in this compliance report.
(iii)	Wildlife conservation plan shall be prepared in consultation with the office of the Chief Wildlife Warden concerned for implementation. Status of implementation shall be submitted to the regional office of the ministry periodically.	A detail study of Wild life conservation plan has already done (Document no. EES/AG/001/259-Biological study) by consultant in consultation with forest department & conservation plan already submitted to the Chief Wild Life Warden, Jaipur for approval. The Report also submitted to the DFO Baran. A copy of the conservation plan was submitted to your office along with Six monthly compliance report
(iv)	Possibility for harnessing solar power within the premises of the plant particularly at available roof tops shall be examined and status of implementation shall be submitted.	80 no. Solar light are installed near hostel/residential area in first phase of solar harnessing program. Solar panel are installed for street lights of residential complex. 10KW capacity Solar Panel is installed at rooftop of Administrative Building to harness solar energy for its consumption.
(v)	An equal area of grazing land proposed to be acquired for the project shall be identified and developed in consultation with the village Panchayat and the district administration before final acquisition of the said land.	Complied Development of waste land to grazing land in village Kunjed of Atru Tehsil is completed as per "Mukhyamantri Jal Swavlamban Abhiyan" (MJSA) as suggested by District Collector, Baran.

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(vi)	Coal transportation to plant site shall be by rail. The project proponent shall take up the matter with the Railways and shall submit action taken and implementation status to the ministry from time to time.	Being complied. Coal is being transported to power plant through Rail only.
(vii)	Existing de-generated water bodies (if any) in the study area shall be regenerated at the project proponent's expenses in consultation with the state govt.	Development of existing degenerated water body in village Antana of Atru tehsil is completed as proposal approved by District Collector, Baran under "Mukhyamantri Jal Swavlamban Abhiyan" (MJSA) vide letter no. 2016/280-85 dated 09.02.2016. Existing seasonal water bodies within the study area is identified for regeneration under company's CSR programme by Adani Foundation and has been implemented in phased manner.
(viii)	Hydrogeology of the area shall be reviewed annually from an institute / organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports / data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	Complied. Hydrogeology of the area is being reviewed regularly. Last hydrogeology reviewed done in Year- 2020 by third party to assess the surface & ground regime. (Especially around ash dyke). Regular water quality monitoring is also being carried out by NABL accredited Consultant. The water quality monitoring results is being submitted regularly along with Six Monthly Compliance reports.
(ix)	Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months	Water allocation from Parvan River for 34 MCM. This quantity is adequate to meet the plant's requirement, including lean season.
(x)	No ground water shall be extracted for use in operation of the power plant even in lean season.	Complied. No ground water was extracted during setting up of power plant
(xi)	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.	No water body was disturbed while setting up power plant.
(xii)	Minimum required water flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel / Rivers (as applicable) even in lean season.	APRL has no role in the distribution of water from Parvan irrigation Project. Water Resource Department, Govt. of Rajasthan will maintain the minimum required water flow during lean season.
(xiii)	Water requirement shall be restricted as per CEA norms and COC of 5.0 shall be adopted.	Complied It has been incorporated in the plant design and being maintained.

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(xiv)	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline so as to ensure that the ground water quality is not adversely affected due to the project.	Regular monitoring of ground water quality including heavy metals is being carried out in and around the plant area by MoEF&CC accredited agency and NABL accredited Environment laboratory of APRL, Please refer attached <b>Annexure-I</b> . Three Piezometric wells are established around the ash pond. Record are being maintained and attached as <b>Annexure-II</b> .
(xv)	Monitoring surface water quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Being Complied. Regular monitoring for surface and ground water quality is being carried out including heavy metals in & around the ash pond and nearby villagers, Monitoring report is enclosed as <b>Annexure I</b> .
(xvi)	A well designed rain water harvesting shall be put in place before commissioning of the plant. Central Ground Water Authority / Board shall be consulted for finalization of appropriate rainwater harvesting technology / design within a period of three months from the date of this clearance and detail shall be furnished. The design of rain water harvesting shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Ministry within six months.	Complied Design for rain water harvesting scheme is prepared by Hydro-geo Survey Consultant- Jaipur and the same is submitted to Regional Office of CGWB, Jaipur, MoEF&CC regional office, Lucknow and MoEF&CC New Delhi. Rain water harvesting pond already constructed within the plant to store and reuses more than <b>1, 20,000 m<sup>3</sup></b> of water.
(xvii)	Additional soil for leveling of proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The entire plant area was almost flat and having stony outcrop. There are no streams within the plant premises.
(xviii)	Provision for installation of FGD shall be provided for future use.	Space were provided for FGD in the plant layout for future requirement. APRL is in process & progress to install FGD as per implementation schedule of CPCB directions vide letter No.: B- 33014/07/2017-18/IPC-II/TPP/152930, dated 11/12/2017. However, as per MoEF&CC's Notification date 31st March 2021, Kawai TPP is falling under Category "C" Non- retiring TPPs and

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		the timelines for compliance of SO <sub>2</sub> emission is up to December 2024. Accordingly the work is under progress for compliance as per CPCB direction.
(xix)	The project proponent shall undertake measures and ensure that no fugitive fly ash emission take place at any point of time.	Being complied. The crusher houses for coal are provided with Dust Extraction System & Bag Filter. Dust Suppression System (DSS) and Water Sprinkling System are provided in coal stock yard and ash dyke
(xx)	Stack of 275 m height shall be installed and provided with continuous online monitoring equipments for SO <sub>x</sub> , NO <sub>x</sub> and PM <sub>2.5</sub> & PM <sub>10</sub> . Exit velocity of flue gases shall not be less than 22 m/s. Mercury emissions from stack may also monitored on periodic basis.	Twin flue stack of 275 meter constructed. Continuous Emission Monitoring System installed in both flues for SO <sub>2</sub> , NO <sub>x</sub> , and PM. The flue gas velocity is more than 22 m/sec. Hg monitoring in stack is being carried out by third party on quarterly basis. CEMS results attached as <b>Annexure IA.</b>
(xxi)	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm <sup>3</sup> .	A high Efficiency Electrostatic Precipitators has been provided to each boiler (ESPs) to meet particulate emission less than 50mg/Nm <sup>3</sup> , ESP efficiency is being observed by our operation department. Details of monitoring results as carried out by MoEF&CC approved third party for our Unit-1 and 2 & also same is being submitted to Statutory body on regular basis. All stack monitoring results are well within the prescribed limit which is showing efficiency of ESP. Monitoring results are enclosed as <b>Annexure- I.</b>
(xxii)	Adequate dust extraction system such as cyclones / bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Being Complied. Dust extraction system with bag filter in coal crusher house has been provided. Pneumatic ash handling system with bag filters provided for ash handling. Water sprinkling system provided in coal yard.
(xxiii)	Utilization of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Ash utilization / implementation report being submitted to MoEF&CC, CPCB, SPCB as well as CEA. Implementation status of fly ash utilization is enclosed as <b>Annexure-III</b>
(xxiv)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury	Being Complied APRL has signed MoUs for ash utilization with Mangalam Cement Ltd., J.K.Cement Ltd., Mangrol & Nimbahera, Birla Corporation

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	and other heavy metals (As, Hg, Cr, Pb, etc.) will be monitored in the bottom ash as also in the effluents emanating in the existing ash pond. No ash shall be disposed off in low lying area.	Ltd, Nuvoco Vistas Corp. Ltd., Shriram Cement Ltd, Wonder Cement Ltd apart that above parties we are also providing to ACC Ltd. Ambuja Cement, Birla Corporation Ltd., Nirma Ltd., India cement Ltd., Heidelberg cement India Ltd, India Cements Ltd, Heidelberg cement India Ltd., TSG Ashtech Movers Pvt. Ltd., etc. Heavy metal analysis is being carried out for As, Pb, Hg, Cr Fe, Cu, Zn, Cd, and Ni in fly ash. Analysis report is enclosed as <b>Annexure-I</b> .
(xxv)	Ash pond (if any) shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Well design ash pond with LDPE lining has been established as per guidelines of MOEF/CEA/CPCB. Safety measure such as bund with toe wall and lining of side slope is done to prevent any leachate.
(xxvi)	Sulphur and ash contents in the imported coal to be used in the project shall not exceed 0.6 % and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to Ministry for suitable amendments to environmental clearance condition wherever necessary.	Complied EC amended on 13.03.2014 for change in the fuel quality & source.
(xxvii)	Green Belt consisting of 3 tiers of plantations of native species around the plant of atleast 75 m width shall be raised (except in areas not feasible). The density of trees shall not be less than 2500 per Ha and rate of survival atleast 80%.	Green belt / plantation is being developed. Our efforts are to develop more greenery in and around the plant premises. Full-fledged horticulture department is established under the guidance of the experienced horticulturist in consultation with the local forest department for the development of green belt / plantation has been established. About 1,05,470 tree saplings have been planted and achieved 90% survival rate. Please refer <b>Annexure-IV</b>
(xxviii)	Over and above the green belt, as carbon sink, social forestry shall be carried out in close consultation with the Forests Department. The project proponent shall accordingly identify blocks of land / degraded forests and shall undertake regeneration of degraded forests at a large scale. In pursuance to this the project proponent shall formulate time bound action plan along with financial	Social forestry with active participation of the villagers and school children are being carried out in close consultation with Forest Department, Action plan regarding social forestry and regeneration of degraded forest is under implementation. Planted 1200 Saplings along with the NH-90 in association with forest department. About



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	allocation and shall submit status of implementation to the Ministry within six months.	500 trees are also planted in school campus & villages.
(xxix)	Atleast three nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health centre, primary school etc. shall be developed in co-ordination with the district administration.	Baldevpura, Kawai, Salpura, Khedli Gaddiyan and Nimoda are adopted for development of basic amenities in co-ordination with the district administration. Beside 41 Schools, 2 PHC, 1 CHC of surrounding Gram Panchayats are adopted in association with district administration of Govt. of Rajasthan.
(xxx)	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Being Complied Need based assessment study report have been already submitted to MoEF&CC. Recommendation made in the report are being implemented by Adani Foundation. <b>Please refer Annexure V.</b>
(xxxii)	CSR schemes shall be undertaken based on need assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken.	Based on the need-based assessment report under the CSR, recommendations made in the CSR report are being implemented by Adani Foundation. Please refer <b>Annexure V</b> . Main Focus has been given on Education, Health, Alternative Livelihood and Rural Infrastructure. Please refer <b>Annexure V</b> .
(xxxiii)	It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on company's website.	The implementation of CSR activities carried out by Adani Foundation. Implementation / achievement of CSR activities are being submitted along with EC compliance on regular basis. Please refer <b>Annexure V</b> .
(xxxiiii)	An amount of Rs 28.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs 5.6 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation.	Separate budget has been earmarked for CSR activities. CSR activities are being carried out by Adani Foundation. CSR report and expenditures for period April'2020 to March'2021 is enclosed as <b>Annexure V &amp; VIII</b> respectively.

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(xxxiv)	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation.	Being Complied. Social audit report is prepared by Indian Institute of Social Welfare and Business Management of University of Kolkata. Audit report is submitted along with six monthly compliance report.
<b>Additional Specific Conditions</b>		
(xxxv)	The Coal transportation by road shall be through tarpaulin covered trucks for a maximum period of two years and hence forth shall be only through mechanically covered trucks.	Coal is being transported by Rail up to Plant premises.
(xxxvi)	Avenue plantation of 2/3 rows all along the road shall be carried out by project proponent at its own expenses.	2 Tier greenbelt as avenue plantation has been developed up to 3KM distance along both side of nearest NH-90.
(xxxvii)	Periodic maintenance of the road shall be done by the project proponent at its own expenses and shall also facilitate the traffic control on the road.	We have maintaining the approach road from plant main gate to the nearest highway (NH-90) and linked road to plant.
(xxxviii)	Sulphur and ash contents in the domestic coal to be used in the project shall not exceed 0.4% and 33% at any given time. In case of variation of coal quality at any point of time, fresh reference shall be made to the ministry for suitable amendments to environmental clearance condition wherever necessary.	Being Complied Half yearly & annual reports of Ash Utilization & ash content in coal being submitted MoEF&CC and Central Electricity Authority (CEA) since plant operation. Please refer attached Annexure-III.
(xxxix)	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter, mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Being Complied Test results of coal samples for radio activity and heavy metal report submitted along with previous compliance report.
(xl)	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Solar street-light near administrative building and along approach road has been installed to harness solar power.

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(xli)	Fugitive emissions shall be controlled to prevent impact on agriculture or non-agriculture land.	Being Complied. Adequate air pollution control measures such as Dust Extraction System (DES), Dust Suppression System, Wind Shield, water sprinkling & Fog canon system have been provided to meet particulate matter emission within the norms.
(xlii)	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of reputed and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	The generated fly ash is being used by cement industries as per 'Fly Ash Notification'. Copy of annual data on fly ash generation & utilization is being submitted to MoEF&CC, CPCB, and SPCB & Central Electricity Authority (CEA). Fly Ash generation & utilization is attached as <b>Annexure III</b> .
(xliii)	Three tier green belt shall be developed all around Ash Pond over and above the Green Belt around the plant boundary and grassing shall be done on the ash mound.	Plantation all along ash dyke is taken up by seed broadcasting of species like Subabol, Jatropha and Desi Babool. Slope of ash dyke is covered with grass to avoid soil erosion.
(xliv)	An Environmental Cell be created at the project site itself and shall be headed by an officer of the company of appropriate seniority and qualification. It shall be ensure that the head of the Cell directly report to the Head of the Organization. The Environmental Cell shall be responsible and accountable for implementation of all the conditions given in the EC including in the amendment letter.	Being Complied We have already established an Environmental Management Cell headed by Manager & supported by Env. Engineer, Officer, Chemist & Horticulturist. We have NABL accredited Laboratory. Certificate Number- TC-5235 issued on dated 28/08/2019. Please refer attached NABL certificate attached as <b>Annexure-VII</b> .
(xlv)	The project proponent shall formulated a well laid Corporate Environmental Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Corporate level Environmental Policy has been developed to implement EMS (Environmental Management System) as per ISO 14001-2015. <b>Environmental Management System as per EMS ISO 14001 implemented Integrated Management System (IMS) is also Implemented.</b>
<b>B</b>	<b>General Conditions:</b>	

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(i)	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	ETP has been established (Capacity- 226 m <sup>3</sup> /hr. based on primary treatment) to treat effluents and treated water reuses within the premises. The concept of "Zero Discharge Condition" is implemented except during non-monsoon period. Separate drainage network is established for storm water.								
(ii)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt / plantation.	<p>Sewage Treatment Plant has been established inside the plant &amp; treated domestic water is suitably reused within the plant premises in plantation / green belt development.</p> <table border="1" data-bbox="890 712 1497 846"> <thead> <tr> <th>Particular</th> <th>Capacity</th> <th>Total Capacity</th> <th>Technology</th> </tr> </thead> <tbody> <tr> <td>STP</td> <td>120 KLD (10 x 2 KLD)</td> <td>140</td> <td>Mikie Bioreactor</td> </tr> </tbody> </table>	Particular	Capacity	Total Capacity	Technology	STP	120 KLD (10 x 2 KLD)	140	Mikie Bioreactor
Particular	Capacity	Total Capacity	Technology							
STP	120 KLD (10 x 2 KLD)	140	Mikie Bioreactor							
(iii)	Adequate safety measures shall be provided in the plant area to check / minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Adequate safety team has been established in plant site to take preventive control measures. Fire hydrant system for fire-fighting is provided in plant layout. Fire & Safety department made available with 3 no. of firefighting tanker equipped with all necessary control system.								
(iv)	Storage facilities for auxiliary liquid fuel such as LDO and / HFO / LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	<p>The fuel LDO and HFO are properly stored in minimum risk area and as per the norms fixed by the Chief Controller of Explosives. A disaster management plan is prepared covering all the eventualities due to storage of oil.</p> <p>It is ensured that sulphur content is less than 0.5% in liquid fuel.</p> <p>Please refer explosive licence/ certificate is attached as <b>Annexure-IX</b>.</p>								
(v)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid as well as OHC established with well-equipped Ambulance and qualified Doctor. Housekeeping and sanitation facilities are available for the drivers and contractual workers during construction.								
(vi)	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs / ear muffs etc. shall be provided.	Necessary action has been taken care to maintain noise levels in work zone area within 85 dB(A) from source during the plant operation. The personal protective equipment (PPE) are provided to workers & employees working in noisy areas. Noise								

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	Workers engaged in noisy area such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy / less noisy area.	level monitoring is carried out regularly. Periodic audiometric check-up is carried out. Occupational Health & Safety Management System as per ISO 45001 as implemented.
(vii)	Regular monitoring of ambient air ground level concentration of SO <sub>2</sub> , NO <sub>x</sub> , PM <sub>2.5</sub> & PM <sub>10</sub> and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Regular Environmental monitoring of SO <sub>2</sub> , NO <sub>x</sub> , PM <sub>2.5</sub> & PM <sub>10</sub> and Hg is being carried out by third party Env. Lab. The Ambient Air Quality Monitoring locations are established in consultation with RPCB. Full fledge Environmental Lab for Air & Water has been established. Monitoring reports attached as <b>Annexure I</b> .
(viii)	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as 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.	During construction, provision was made for common facilities to labours as toilets, safe drinking water, medical health care etc. who were engaged for construction.
(ix)	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment and Forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Complied Advertised in local daily News Paper 'Dainik Bhaskar and Rajasthan Patrika' on 10th May 2011 in Hindi.
(x)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions / representations, if any, received while processing the proposal. The clearance	Complied Copy of clearance letter has been submitted to Kawai Village Panchayat and Zila Parishad, Baran.

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	letter shall also be put on the website of the Company by the proponent.	
(xi)	An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the head of the Cell shall directly report to the head of the organization and he shall be held responsible for implementation of environmental regulations and social impact improvement / mitigation measures.	Being Complied. We have already established an Environmental Management Cell headed by Manger & supported by Env. Engineer Officer, Chemist & Horticulturist. Full fledge Environment Lab (Air & Water) has been established. <b>Environmental Management System as per EMS ISO: 14001 implemented.</b>
(xii)	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM2.5 & PM10), SO2, NOx (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Six monthly Environmental Clearance compliance status report is regularly submitted to MoEF&CC, CPCB and SPCB. The same is sent by email also. Compliance status updated on company's website <a href="http://www.adanipower.com">www.adanipower.com</a>
(xiii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Environment Statement had been submitted with vide letter no APRL/PK/GOVT/RSPCB/00538, dated-26.09.2020
(xiv)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forest, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of	Six monthly compliance on the Environmental Clearance granted by MoEF is being submitted to MoEF, CPCB & RPCB regularly. Compliance status updated on company's website. Compliance report for the period of April-2020 to Sep- 2020 had been submitted to

**Adani Power Rajasthan Limited**

	compliance of the environmental of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forest.	your good office vide letter no.: APL/APRL/EMD/EC/MoEF/188/11/20 dated 20.11.2020
(xv)	Regional Office of the Ministry of Environment & Forest will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environmental Management Plan along with additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	Noted Compliance assured
(xvi)	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Followed. Separate fund has already been allocated and being utilize for Environmental Protection. Environment protection measures (EMP & CER) Expenditure for the (Oct- 2020 to March' 2021) is enclosed as <b>Annexure-VIII</b>
(xvii)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Complied
(xviii)	Full cooperation shall be extended to the Scientists / Officers from the Ministry / Regional Office of the Ministry at Rajasthan / CPCB / SPCB who would be monitoring the compliance of environmental status.	Noted, Full co-operation shall be extended.

**Six Monthly Environmental Monitoring Report**  
on  
**AMBIENT AIR QUALITY,**  
**WATER QUALITY, SOIL QUALITY AND NOISE LEVEL**

For



**ADANI POWER RAJASTHAN LIMITED**

**(2x660 MW- SUPERCRITICAL THERMAL POWER STATION)**

Near Salpura Railway Station, 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 2020 to March 2021**



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## 1 EXECUTIVE SUMMARY

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ADANI group has constructed 2 units of 660 MW Supercritical Thermal Power Station at Village, Kawai in Tehsil, Atru of District Baran (Rajasthan). The plant is designed to generate 2x660MW 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 part of Rajasthan and adjoining states, at present both units are in operation.

M/s Adani Power Rajasthan limited has awarded environmental monitoring job work to **M/s Team Institute of Science and Technology (Unit - Team Test House)** vide Service Order No 5700188748 dated 15/02/2018 for Sampling/Monitoring and Testing of Environmental parameters on quarterly basis.

The samples for determination of quality of Ambient Air analysis, Ground Water, Soil, Source Emission, Noise, 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, Emission Air, Soil, Water, and Noise are found to be within the desired limits.

**Authorized Signatory**

## **2 BRIEF DESCRIPTION OF ADANI POWER AND KAWAI THERMAL POWER STATION**

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### **2.1 ADANI THERMAL POWER STATION**

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Adani, a conglomerate with a formidable presence in multiple businesses across the globe, has entered the power sector to harbingering 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**

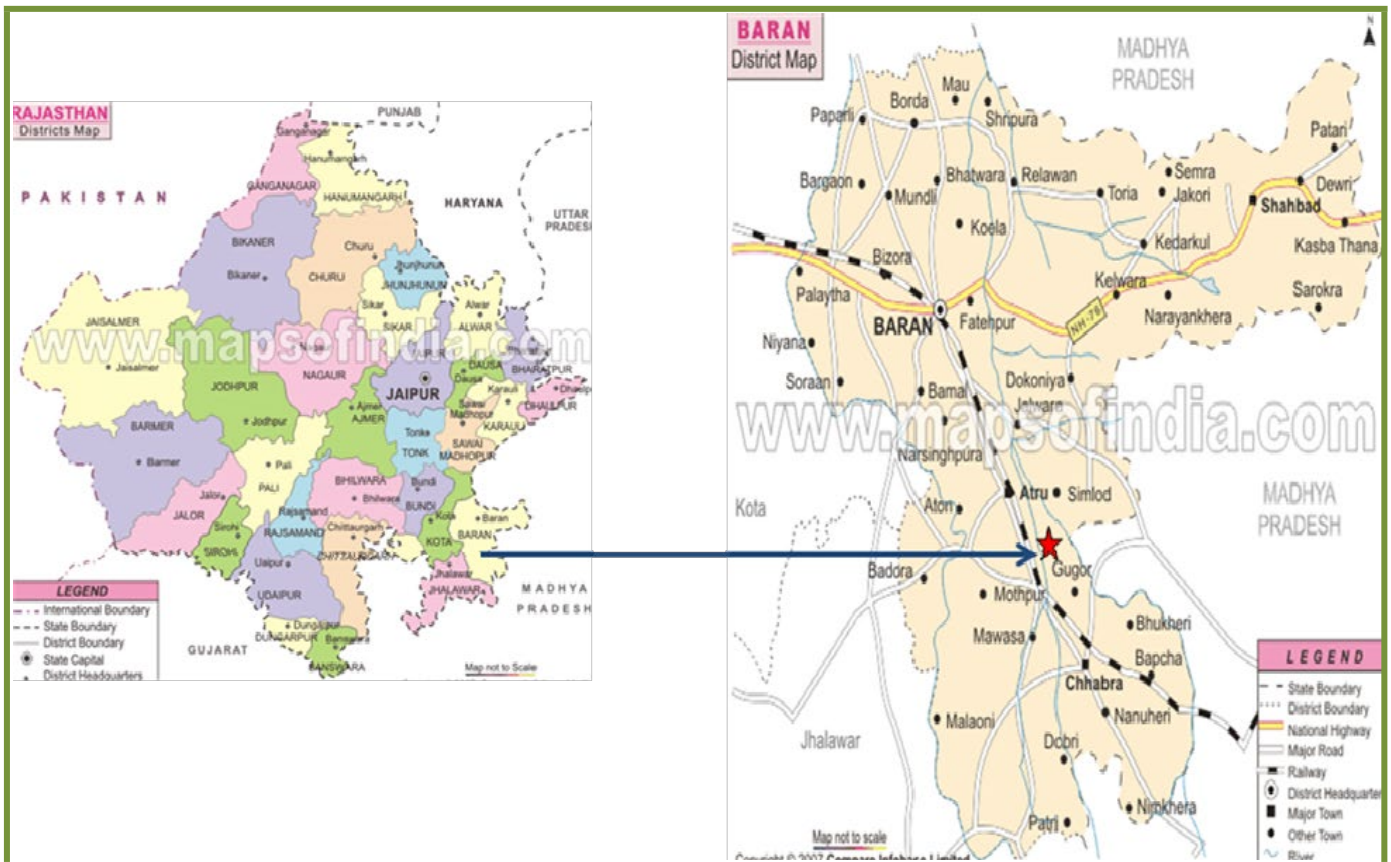
Adani Enterprises Limited (AEL) have signed MoU with Energy Department, Government of Rajasthan on 20th March, 2008 for developing a Thermal Power Project of 1320 MW capacity near Kawai, District Baran, Rajasthan. For this purpose Adani Enterprises Limited (AEL) has registered Adani Power Rajasthan Limited (APRL), as a subsidiary company to Adani Power Limited (APL). 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 been already given to APRL 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 at a distance of about 15 km from plant.

## 2.3 LOCATIONS OF THE PLANT

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



Location Map

**METEROLOGICAL DATA**  
**AVERAGE DAILY METEROLOGICAL DATA OF October -2020**

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
1/10/2020	25.1	37.5	31.1	73.1	0
2/10/2020	26.6	38.0	24.0	38.0	0
3/10/2020	26.1	37.6	21.2	64.2	0
4/10/2020	23.2	37	21.1	64.5	0
5/10/2020	21.6	37.4	15.0	71.4	0
6/10/2020	22.1	37.6	19.0	63.4	0
7/10/2020	23	37.1	20.0	62.6	0
8/10/2020	23.0	37.0	21.1	58	0
9/10/2020	23.0	36.5	21.0	59.2	0
10/10/2020	23.3	37.4	20.1	60.4	0
11/10/2020	23.0	36.6	22.1	61.4	0
12/10/2020	23.1	37.4	20.1	57.2	0
13/10/2020	24.1	38.2	28.0	59.6	0
14/10/2020	26.2	35.6	41.4	84.1	6
15/10/2020	27.0	35.6	41.4	77.0	0
16/10/2020	26.2	35.3	43.0	84.1	0
17/10/2020	26.1	36.4	40.2	71.3	0
18/10/2020	27.0	37.3	40.2	68.3	0
19/10/2020	26.1	35.5	34.1	68.6	0
20/10/2020	25.1	35.5	34.1	57.3	0
21/10/2020	25.1	37.3	20.1	57.3	0
22/10/2020	23.2	37.1	23.0	50.0	0
23/10/2020	22.2	36.2	25.5	74.5	0
24/10/2020	22.3	36.5	22.1	61.1	0
25/10/2020	22.3	36.4	21.3	53.1	0
26/10/2020	22.2	36.4	21.3	53.6	0
27/10/2020	22.3	35.3	20	53.1	0
28/10/2020	21	34.5	20	53.6	0
29/10/2020	19.2	34.6	21.4	62.1	0
30/10/2020	21.2	32.5	21.3	53.3	0
31/10/2020	21.4	33.4	13.2	46.3	0
Max	27	38.2	43	84.1	06
Min	19.2	32.5	13.2	38	

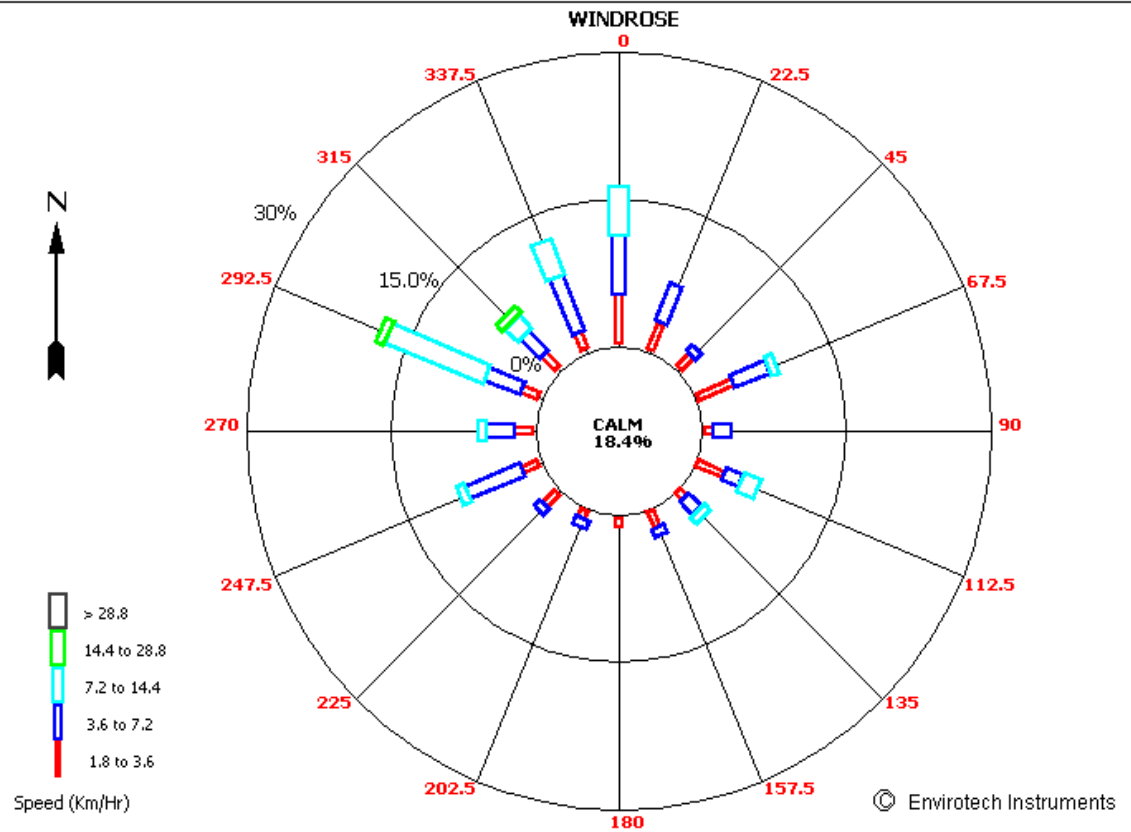
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Date : 01/10/20 - 31/10/20

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KAWAI



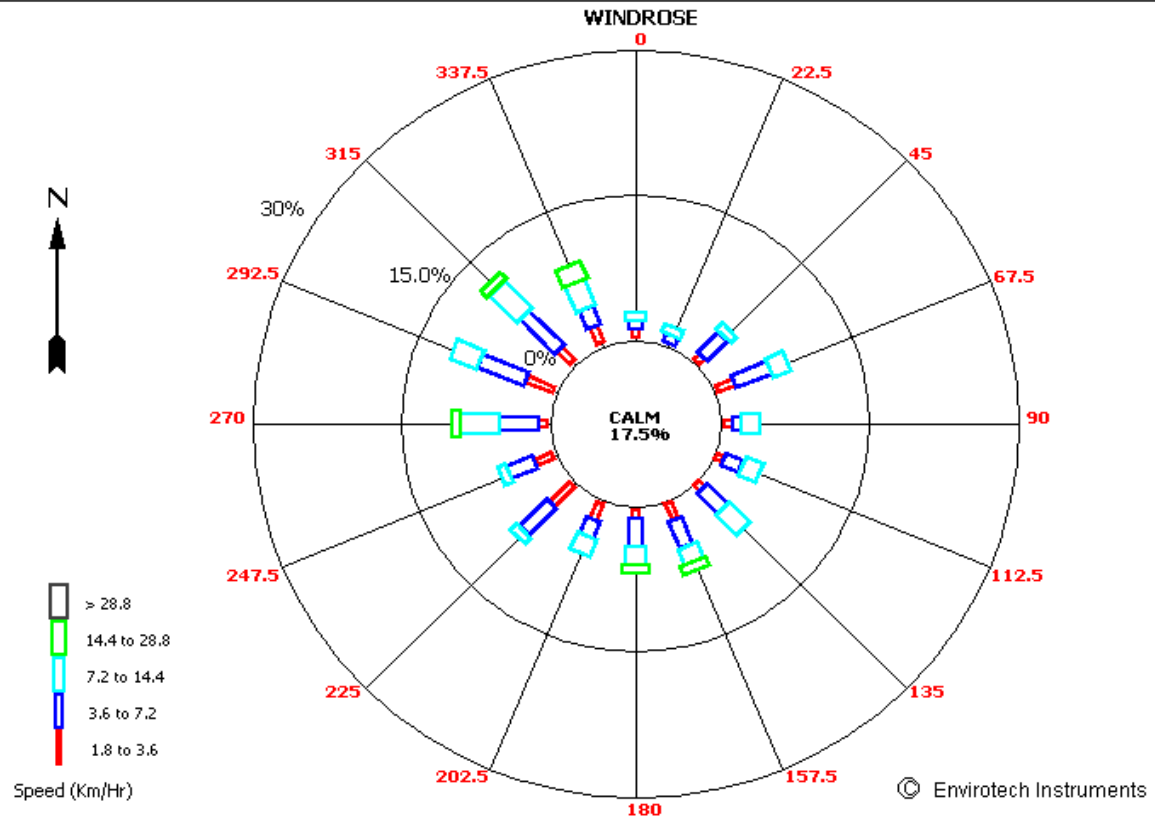
### **AVERAGE DAILY METEROLOGICAL DATA OF NOVEMBER -2019**

Date	Temp		Relative Humidity		Rainfall
	Min	Max	Min	Max	Total
1/11/2020	18.4	32.1	18.2	55.3	0
2/11/2020	16.3	32.2	14.6	32.2	0
3/11/2020	17.3	32.2	14	52.1	0
4/11/2020	16.3	32.3	14	63.3	0
5/11/2020	16.2	33.4	16.2	55.2	0
6/11/2020	18.4	33.4	17.1	52	0
7/11/2020	18.2	34.1	18.2	57	0
8/11/2020	18.1	33.3	19	59	0
9/11/2020	17.5	32.1	20.3	58.6	0
10/11/2020	16.1	29.5	24	67.6	0
11/11/2020	17	30.2	30	68.1	0
12/11/2020	19	31.6	32	60.2	0
13/11/2020	21	31.4	40.1	65.3	0
14/11/2020	19.1	32.3	39	73.2	0
15/11/2020	22.5	33.3	39.1	70	0
16/11/2020	22	31.3	44	84.5	0
17/11/2020	20	29.5	51.6	91.4	0
18/11/2020	20	30.4	56.1	97.3	1
19/11/2020	19	29.3	48.5	97.6	0
20/11/2020	18.3	27.3	34	87	0
21/11/2020	15	27.3	29	82.4	0
22/11/2020	12.3	27.5	24	78.1	0
23/11/2020	14.2	28.3	27.2	73	0
24/11/2020	15.4	30.2	27	65.5	0
25/11/2020	16.1	31.5	30.1	64.4	0
26/11/2020	17.2	30.2	27	69.1	0
27/11/2020	17.2	28	37.1	69.1	0
28/11/2020	15	27.3	27.1	73.5	0
29/11/2020	14	29.1	29.1	76.1	0
30/11/2020	15	28.5	31	76.3	0
Max	22.5	34.1	56.1	97.6	
Min	12.3	27.3	14	32.2	1

Time : 00:00 - 23:00  
 Date : 01/11/20 - 30/11/20

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 KAWAI





**AVERAGE DAILY METEROLOGICAL DATA OF DECEMBER -2020**

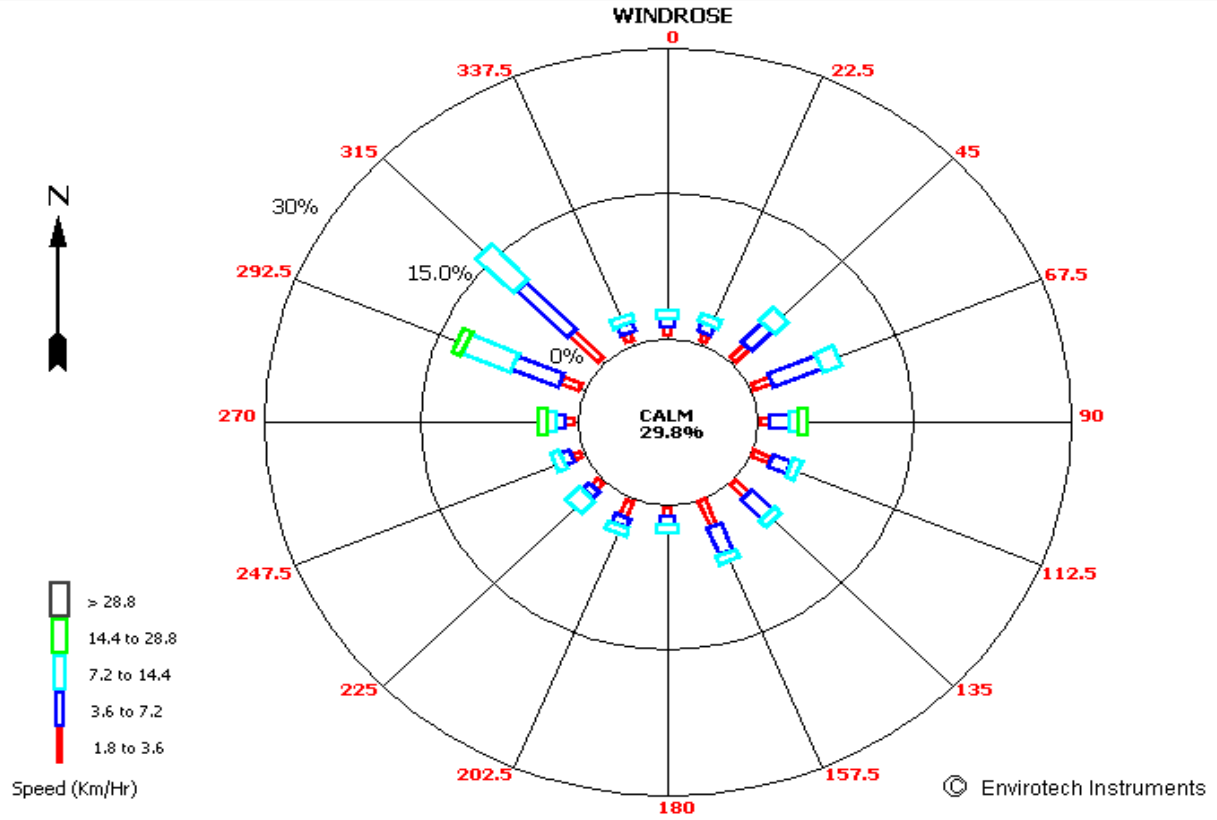
<i>Date</i>	<b>Temp (Deg C)</b>		<b>Relative Humidity (%)</b>		<b>Rainfall (mm)</b>
	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Total</b>
1/12/2020	14.1	30.3	27.2	84.1	0
2/12/2020	14.1	28.3	14.1	28.3	0
3/12/2020	14.2	31.3	26.4	74.2	0
4/12/2020	15.2	32.3	25	76.5	0
5/12/2020	16.1	33	24.2	71.2	0
6/12/2020	16.2	33.1	26.1	33.1	0
7/12/2020	16.2	31.6	33.2	83.1	0
8/12/2020	17	32.6	30.5	82.3	0
9/12/2020	17.3	32	28.3	74	0
10/12/2020	16.2	32	28	77.3	0
11/12/2020	19	23.1	53.1	92.1	1
12/12/2020	19	26.5	60.1	94	0
13/12/2020	19	25.2	68.1	95.3	0.5
14/12/2020	17.1	23.5	50	91.4	0
15/12/2020	15.1	21	63	79.5	0
16/12/2020	14.2	23.3	53	81.3	0
17/12/2020	11.5	22.2	42.1	83.2	0
18/12/2020	9.3	22	28.1	85.4	0
19/12/2020	9	25.5	25.4	82.6	0
20/12/2020	10.1	26.4	24.3	84.2	0
21/12/2020	10.1	27.2	22.1	81.1	0
22/12/2020	12	28.2	28	79.4	0
23/12/2020	13	28.3	27.2	76.3	0
24/12/2020	13.2	27.4	30.3	76.3	0
25/12/2020	14.1	26.3	31.2	73.1	0
26/12/2020	11.6	28	32	78.2	0
27/12/2020	14	28.3	35	82.3	0
28/12/2020	11.2	22.2	23	69.5	0
29/12/2020	9.3	21.5	23	65.5	0
30/12/2020	10	22.2	25.2	63	0
31/12/2020	7.2	20.2	32.2	72.3	0
Max	19	33.1	68.1	95.3	
Min	7.2	20.2	14.1	28.3	1.5

Time : 00:00 - 23:00

Date : 01/12/20 - 31/12/20

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### **AVERAGE DAILY METEROLOGICAL DATA OF JANUARY -2021**

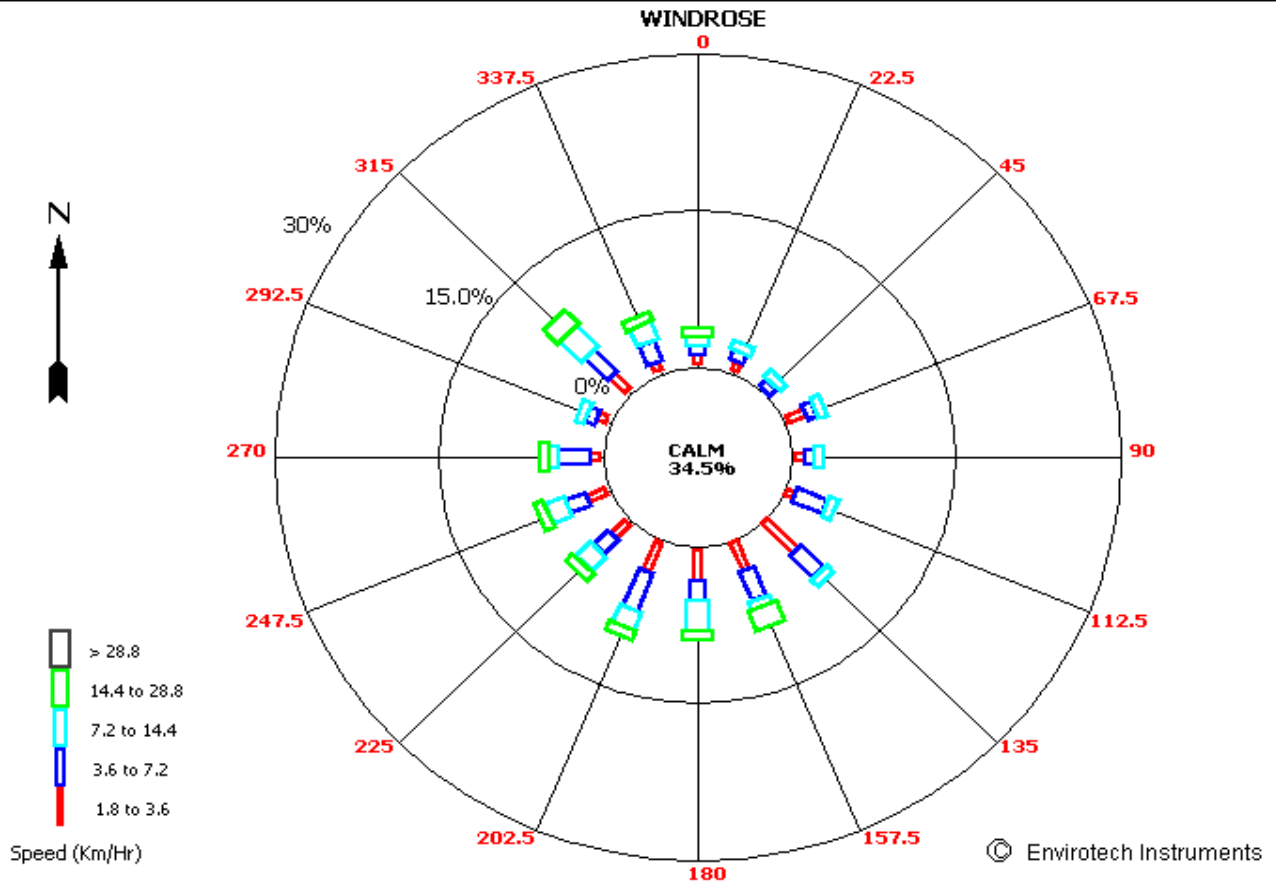
<i>Date</i>	<b>Temp (Deg C)</b>		<b>Relative Humidity (%)</b>		<b>Rainfall (mm)</b>
	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Total</b>
1/1/2021	11.5	28	45	78.1	0
2/1/2021	17.2	28.3	17.2	28.3	0
3/1/2021	18.2	29.4	49.1	90.1	0
4/1/2021	18	25.6	58.1	90	0.5
5/1/2021	17.3	29.2	45.1	87.4	0
6/1/2021	18.4	26.5	59.2	26.5	0
7/1/2021	17.1	25.3	65.4	93.4	0
8/1/2021	17	26.6	61	97.2	5
9/1/2021	17	24.3	77.4	97.5	0
10/1/2021	18	21.5	84	97.4	0
11/1/2021	17.1	23.5	65	97.3	0
12/1/2021	11.1	24.5	24.5	95.2	0
13/1/2021	9	24.5	24.5	89.2	0
14/1/2021	10.3	27.5	24.4	88.4	0
15/1/2021	10.1	27.6	22.2	79	0
16/1/2021	12	29	26.3	77.4	0
17/1/2021	15.3	29.3	39.2	76.3	0
18/1/2021	16	31.1	41	86.2	0
19/1/2021	13.3	26	48.2	96.3	0
20/1/2021	12.1	27.5	39.3	97.3	0
21/1/2021	10	27.5	39.3	97.3	0
22/1/2021	12	29.4	23.2	76.3	0
23/1/2021	15	27.5	41.2	70.4	0
24/1/2021	13	25.2	36	90.1	0
25/1/2021	11.2	22.3	31.5	91	0
26/1/2021	9	22.5	29.1	90.5	0
27/1/2021	8.1	23.4	25.3	86	0
28/1/2021	9	23.4	27.2	81.3	0
29/1/2021	9	24.2	30.2	87.1	0
30/1/2021	7.6	26	22.2	87.4	0
31/1/2021	9	28	17	78.3	0
Max.	18.4	31.1	84	97.5	5.5
Min.	7.6	21.5	17	26.5	

Time : 00:00 - 23:00

Date : 01/01/21 - 31/01/21

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KAWAI



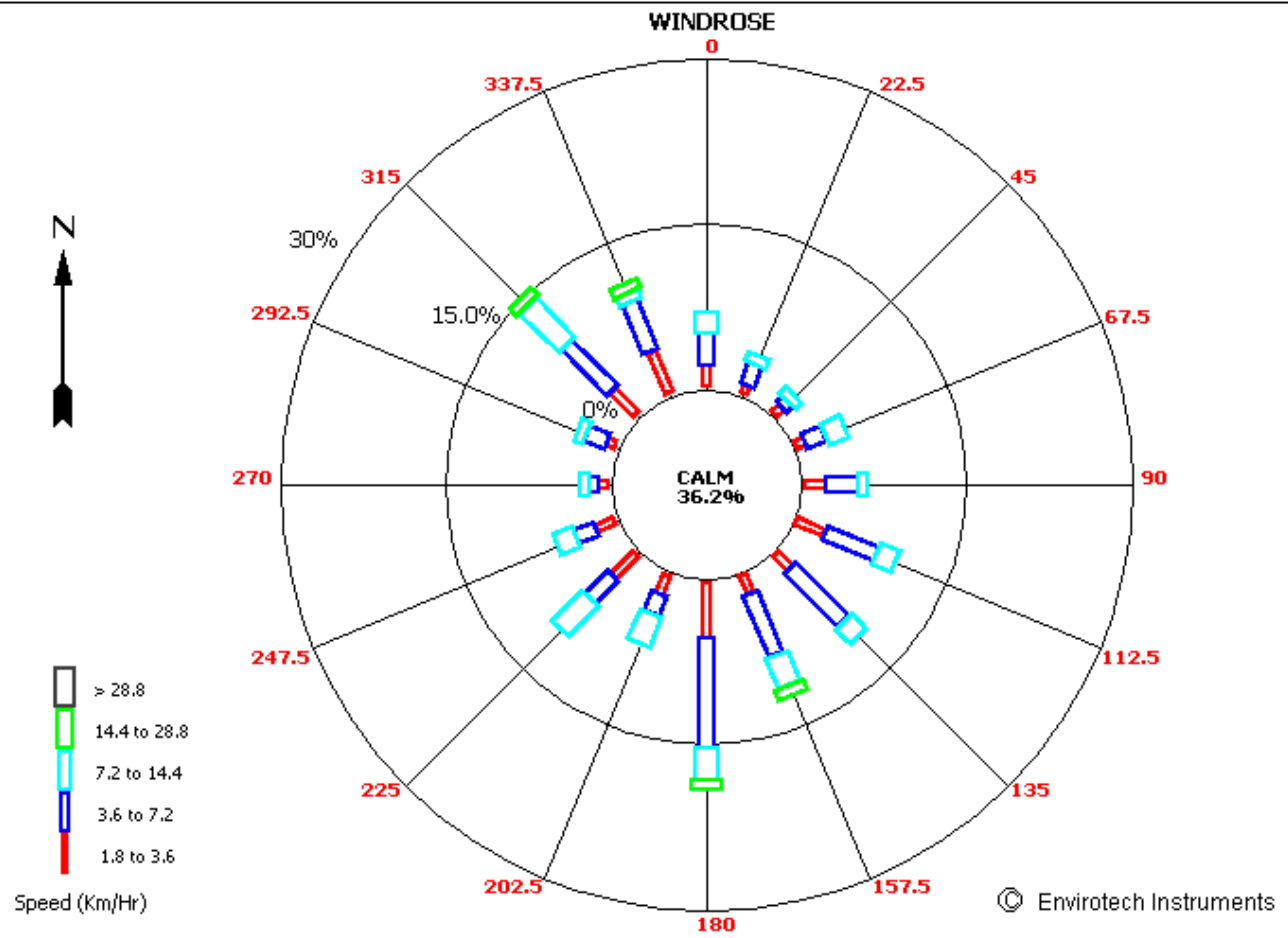
### **AVERAGE DAILY METEROLOGICAL DATA OF FEBRUARY- 2021**

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
1/2/2021	11.3	29.1	19.2	66.2	0
2/2/2021	12	32.4	20.1	71	0
3/2/2021	16.1	31.4	24	63.4	0
4/2/2021	17.1	29.5	25.3	65.4	0
5/2/2021	16.3	27.1	25.1	81.2	0
6/2/2021	14	25.6	32	85.3	0
7/2/2021	10.2	26.4	25.2	81.6	0
8/2/2021	11	28.3	25.2	79.1	0
9/2/2021	11.1	30.6	24.2	82.1	0
10/2/2021	15	31	22	70.3	0
11/2/2021	13	31.3	16.3	70.3	0
12/2/2021	13	32.1	18.3	67	0
13/2/2021	15	32.1	21.3	63.5	0
14/2/2021	16	32.3	25	70.2	0
15/2/2021	16.2	33	20.5	75.1	0
16/2/2021	19.1	31.5	23.3	60.1	0
17/2/2021	15.5	31.6	25.5	86.3	0
18/2/2021	16.1	31.6	18	78	0
19/2/2021	16.2	31	19.5	70	0
20/2/2021	15	31	17	67.5	0
21/2/2021	14	32.3	16.1	74	0
22/2/2021	14.3	33.3	17.1	65.1	0
23/2/2021	15.4	34.5	16.1	60.3	0
24/2/2021	17	35.2	15.1	55.6	0
25/2/2021	19.1	33.5	23.3	54.5	0
26/2/2021	18	35.2	18.2	62	0
27/2/2021	20.1	35.4	28.2	57	0
28/2/2021	23.1	34.3	22	52.2	0
Max	20.1	35.4	32	86.3	
Min	10.2	25.6	15.1	54.5	0

Time : 00:00 - 23:00  
Date : 01/02/21 - 28/02/21

Set Title

ADANI POWER RAJ. LTD  
KAWAI



### **AVERAGE DAILY METEROLOGICAL DATA OF MARCH- 2021**

Date	Temp (Deg C)		Relative Humidity (%)		Rainfall (mm)
	Min	Max	Min	Max	Total
1/3/2021	19.3	34.1	19.2	57.4	0
2/3/2021	19.2	28.1	19.2	28.1	0
3/3/2021	16.1	35	14.1	59.5	0
4/3/2021	18	37.2	9.3	55	0
5/3/2021	19	35.1	13.2	51.3	0
6/3/2021	18	36.4	14.1	36.4	0
7/3/2021	21.1	37.6	18.1	39.6	0
8/3/2021	21.6	38.1	14	41.3	0
9/3/2021	21.1	36.5	17	45.2	0
10/3/2021	21.1	36.6	15	44	0
11/3/2021	22.1	37.5	19.1	49.4	0
12/3/2021	20.2	29.4	41	80.3	7.5
13/3/2021	17.1	32.5	31	91.5	0
14/3/2021	19	35.5	19	70.1	0
15/3/2021	20.2	37	18	54	0
16/3/2021	23.3	37.1	17	57.1	0.5
17/3/2021	23.2	38.5	14	46.3	0
18/3/2021	25.4	37.3	19.1	40.4	0
19/3/2021	24	37.3	18	55.4	0
20/3/2021	20	36.3	21	67.3	0
21/3/2021	21.2	37.2	18.1	59.1	0
22/3/2021	23.2	38.6	15.5	44.4	0
23/3/2021	23	38.6	13.2	51.6	0
24/3/2021	22.2	36.4	17.3	54.1	0
25/3/2021	22.6	35.4	13.1	45.1	0
26/3/2021	19.2	36.2	16.1	37.3	0
27/3/2021	21.1	39.2	13.2	37.5	0
28/3/2021	24.1	41.1	11.5	32.2	0
29/3/2021	24.1	41.4	10.4	28	0
30/3/2021	27	41.4	11.1	29	0
31/3/2021	26.2	39.5	9.2	17.5	0
Max	27	41.4	41	91.5	8.0
Min	16.1	28.1	9.2	17.5	

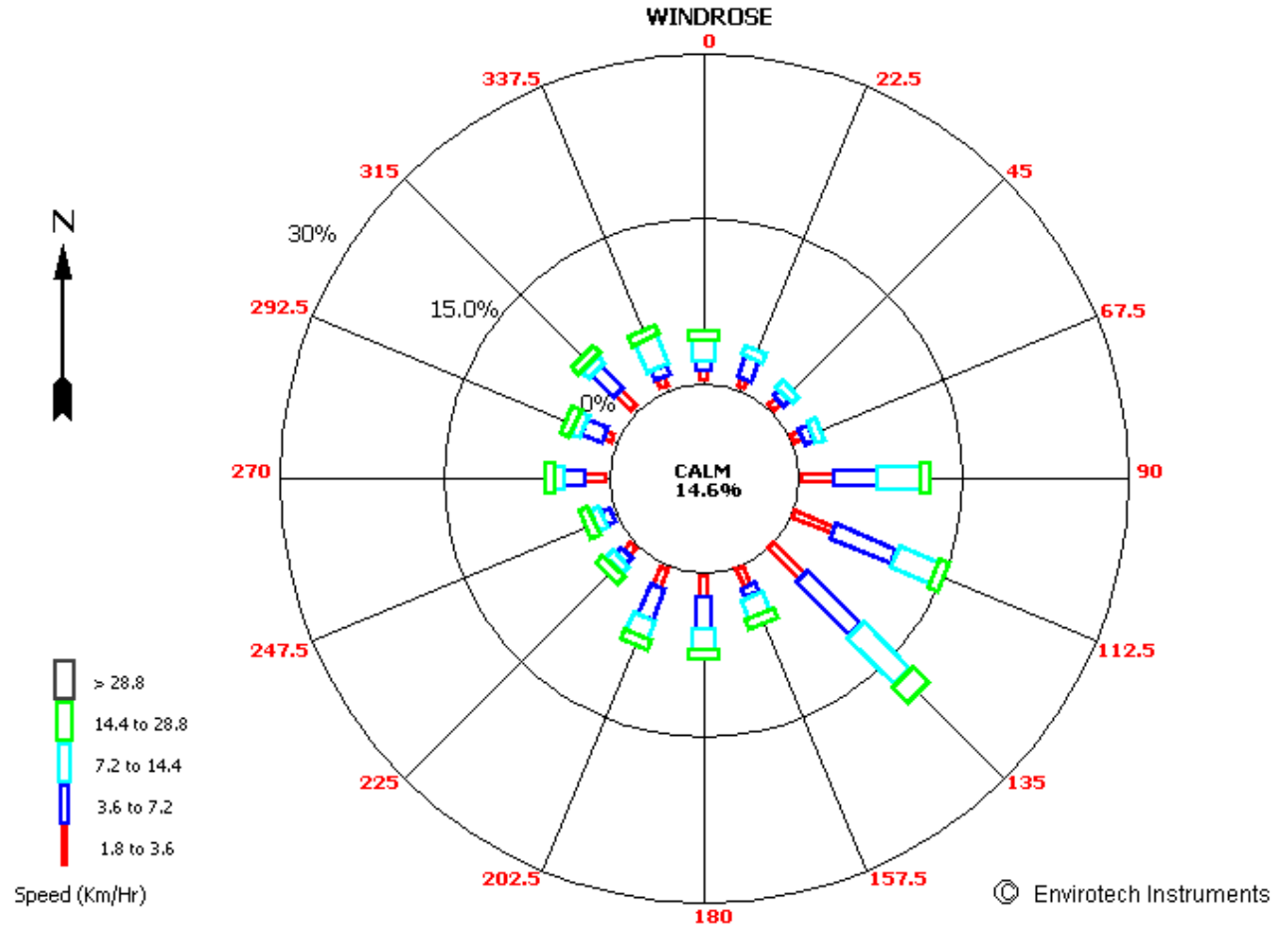
Time : 00:00 - 23:00

Date : 01/03/21 - 31/03/21

Set Title

ADANI POWER RAJ. LTD

KAWAI





#### 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 a number of 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 center.

The measurements were conducted during the period of October 2020 to March 2021.

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 3.1 TECHNICAL PROTOCOLS USED FOR AMBIENT AIR QUALITY MONITORING.**

S. No.	Parameter	Protocol Followed
1	Particulate Matter, PM <sub>10</sub> , µg/m <sup>3</sup>	IS: 5182 (P-23)
2	Particulate Matter, PM <sub>2.5</sub> , µg/m <sup>3</sup>	CPCB Guidelines (Gravimetric Method)
3	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	IS: 5182 (P-6)
4	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	IS: 5182 (P-2)
5	Carbon Monoxide, µg/m <sup>3</sup>	IS: 5182 (P-10)
6	Ammonia, µg/m <sup>3</sup>	CPCB Guidelines
7	Ozone, µg/m <sup>3</sup>	APHA 1977, Part819
8	Lead, µg/m <sup>3</sup>	IS: 5182 (P-22)
9	Arsenic, ng/m <sup>3</sup>	IS: 5182 (P-22)
10	Nickel, ng/m <sup>3</sup>	IS: 5182 (P-22)
11	Benzene, µg/m <sup>3</sup>	IS: 5182 (P-11)
12	Benzo-alfa-pyrene, ng/m <sup>3</sup>	CPCB Guidelines
13	Mercury (Hg), ng/m <sup>3</sup>	APHA 2012 : 3112 B

#### 4.1 AMBIENT AIR QUALITY RESULTS

The detailed on-site monitoring results of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub> and Hg are presented in table as given below:

**TABLE 3.2: AMBIENT AIR QUALITY MONITORING RESULTS**

Quarter IV (Jan 2021 to Mar 2021)								
S. No.	Parameter	West of Stack (Near Coal Handling Plant)	South East of Stack (Near CT 2)	North East of Stack (Near Reservoir)	Sidni (Near Labour Colony)	Kawai Village	Mukundpura	NAAQ Standard
1	Particulate Matter, PM <sub>10</sub> , µg/m <sup>3</sup>	78.15	73.02	75.44	67.22	73.19	65.07	100
2	Particulate Matter, PM <sub>2.5</sub> , µg/m <sup>3</sup>	37.48	24.09	35.79	30.45	26.97	28.6	60
3	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	18.8	17.86	16.7	18.09	15.43	14.39	80
4	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	10.4	12.63	9.68	14.42	11.63	10.1	80
5	Carbon Monoxide, µg/m <sup>3</sup>	390	280	360	320	320	270	4000
6	Ammonia, µg/m <sup>3</sup>	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	BDL (<10.0)	400
7	Ozone, µg/m <sup>3</sup>	31.2	19.6	29.5	15.2	14.3	14.3	100
8	Lead, µg/m <sup>3</sup>	0.23	0.12	0.27	0.21	0.19	0.25	1.0
9	Arsenic, ng/m <sup>3</sup>	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	BDL (<2.0)	6.0
10	Nickel, ng/m <sup>3</sup>	5.6	6.7	6.0	7.1	6.5	5.3	20
11	Benzene, µg/m <sup>3</sup>	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	5.0
12	Benzo-alfa-pyrene, ng/m <sup>3</sup>	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	BDL (<0.5)	1.0
13	Mercury (Hg), ng/m <sup>3</sup>	ND	ND	ND	ND	ND	ND	-

## 5 AMBIENT NOISE LEVEL

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

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

**TABLE 5.1: NOISE MONITORING RESULTS [INDUSTRIAL AREA]**

Quarter IV (Jan 2021 to Mar 2021)		
Location	Day Time Leq in dB(A)	Night Time Leq in dB(A)
West of Stack (Near Coal Handling Plant)	60.3	52.1
South East of Stack (Near CT 2)	58.1	52.8
North East of Stack (Near Reservoir)	58.5	48.1

**TABLE 5.2: NOISE MONITORING RESULTS [RESIDENTIAL AREA]**

Quarter IV (Jan 2021 to Mar 2021)		
Location	Day Time Leq in dB(A)	Night Time Leq in dB(A)
Sidni (Near Labour Colony)	50.5	37.8
Kawai Village	49.3	37.9
Mukhandpura	48.7	40.5

**TABLE 5.3: NOISE MONITORING RESULTS [DG Set]**

Quarter IV (Jan 2021 to Mar 2021)			
Parameter	DG Set-I	DG Set-II	DG Set-III
Noise level (dB(A) (inside the acoustic enclosure Room)	100.1	100.9	99.8
Noise level 0.5m away from outside the engine room, (db) (Outside the acoustic enclosure)	72.1	73.5	72.2
Insertion Loss	28.0	27.4	27.6

## 6 STACK

Emission measurements are required to identify and quantify a wide range of pollutants in Stack Emissions. The measurements were conducted during the period of October 2020 to March 2021.

The parameters covered in the monitoring are depict below:

**TABLE 6.1 TECHNICAL PROTOCOLS USED FOR STACK EMISSION MONITORING**

S. No	Parameter	Units	Method of Test
1	Particulate Matter (PM)	mg/ Nm <sup>3</sup>	IS 11255 (P-1)
2	Sulphur dioxide (SO <sub>2</sub> )	mg/ Nm <sup>3</sup>	IS 11255 (P-2)
3	Oxide of nitrogen (NO <sub>x</sub> ),	mg/ Nm <sup>3</sup>	IS:11255 (P-7)
4	Carbon monoxide (CO)	%	IS:13270-1992
5	Mercury as particulate (Hgp)	µg/m <sup>3</sup>	USEPA-29

**TABLE 6.2: STACK MONITORING RESULTS**

S. No	Parameter	Unit	Quarter IV (Jan 2021 to Mar 2021)	
			Unit-I	Unit-II
1	Exit Gas Velocity	m/sec	24.85	26.1
2	Flow Rate	Nm <sup>3</sup> /hr	3086867.55	3250392.31
3	Particulate Matter (PM)	mg/Nm <sup>3</sup>	33.38	17.26
4	Sulphur dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	630	605
5	Oxide of nitrogen (as NO <sub>x</sub> ) at 15 % O <sub>2</sub>	mg/Nm <sup>3</sup>	255	243
6	Mercury as particulate (Hgp)	µg/m <sup>3</sup>	BDL(<0.001)	BDL (<0.001)

**TABLE 6.3: DG STACK MONITORING RESULTS**

Parameter	Unit	Quarter IV (Jan 2021 to Mar 2021)		
		DG Set-I	DG Set-II	DG Set-III
Particulate Matter (PM)	mg/Nm <sup>3</sup>	44.67	48.66	36.74
Oxide of Nitrogen (NO <sub>x</sub> ) at 15% O <sub>2</sub>	ppmv	355	396	362
Carbon monoxide (CO)	mg/Nm <sup>3</sup>	129	102	95
NMHC as C at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	35	33	47

## 7 WATER QUALITY RESULTS [GROUND/ SURFACE]

A number of parameters have been monitored in ground water and surface water at nearby villages of plant site.

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depicted below:

**TABLE 7.1.1: RESULTS OF GROUND WATER MONITORING**

S. No.	Parameter	Near Labour Colony SE (Piezometer)	Salpura Village	Kawai Village	Phoolbaroda Village	Nimoda Village	Sidni Village	Baldevpura Village
1	pH (at 25 °C)	6.81	6.86	7.51	7.49	6.71	7.21	6.84
2	Colour, Hazen	<5	<5	<5	<5	<5	<5	<5
3	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity, NTU	9.68	<0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1
5	Total Dissolved Solids, mg/l	818	688	286	480	1005	693	133
6	Electrical Conductivity, $\mu$ S/cm	1117	1128	440	837	1378	1111	181.5
7	Total Hardness (as CaCO <sub>3</sub> ), mg/l	432	360	176	310	550	300	84
8	Calcium (as Ca), mg/l	123.2	112	46.4	116	140	84	24
9	Magnesium (as Mg), mg/l	30.13	19.44	14.58	4.86	48.6	21.87	5.83
10	Chlorides (as Cl <sup>-</sup> ), mg/l	115.45	151.66	45.01	48.92	136.98	146.76	14.68
11	Sulphate (as SO <sub>4</sub> ), mg/l	391.25	118.75	32.25	52.5	493.75	173.75	9.88
12	Iron (as Fe), mg/l	BDL (< 0.01)	BDL (<0.01)	BDL (< 0.01)	BDL (< 0.01)	BDL (< 0.01)	BDL (< 0.01)	BDL (< 0.01)
13	Total Chromium ( as Cr), mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)

14	Arsenic ( as As), mg/l	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)
15	Lead (as Pb), mg/l	BDL(<0.01)	0.01	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)
16	Silica (as SiO <sub>2</sub> ) mg/l	10.0	15.0	20.95	25.71	8.81	16.90	8.09
17	Mercury ,mg/l	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)
18	Appearance	Not Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
19	Appearance after Filtration	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
20	Methyl orange Alkalinity as CaCO <sub>3</sub> mg/l	59.4	247.5	150.48	297	118.8	198	102.96
21	P- Alkalinity mg/l	ND	ND	ND	ND	ND	ND	ND
22	Non-Carbonate Hardness (as CaCO <sub>3</sub> mg/l	372.6	112.5	25.52	13	431.2	102	ND
23	E coli MPN/100ml	ND	ND	ND	ND	ND	ND	ND
24	Total coliform, MPN/100ml	ND	ND	ND	ND	ND	ND	ND

## 7.2 SURFACE WATER:

**TABLE 7.2.1: RESULTS OF SURFACE WATER MONITORING**

Quarter IV (Jan 2021 to Mar 2021)				
S. No.	Parameter	Barlan Pond	Kawai Pond	Parvan River
1	pH (at 25 °C)	9.14	6.98	7.99
2	Colour, Hazen	150	750	<5
3	Odour	Agreeable	Not Agreeable	Agreeable
4	Turbidity, NTU	<0.1	3.08	3.74
5	Total Dissolved Solids, mg/l	567	1138.5	213
6	Electrical Conductivity, $\mu$ S/cm	856	1719	330
7	Total Hardness (as CaCO <sub>3</sub> ), mg/l	72	320	136
8	Calcium (as Ca), mg/l	11.2	52	32
9	Magnesium (as Mg), mg/l	10.69	46.17	13.61
10	Chlorides (as Cl <sup>-</sup> ), mg/l	277.87	386.48	19.57
11	Sulphate (as SO <sub>4</sub> ), mg/l	19.75	76.25	19.75
12	Iron (as Fe), mg/l	0.38	0.58	BDL (< 0.01)
13	Total Chromium ( as Cr), mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)
14	Arsenic ( as As), mg/l	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)
15	Lead (as Pb), mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)
16	Silica (as SiO <sub>2</sub> ) mg/l	BDL (<1.0)	20.48	20.0

17	Mercury ,mg/l	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)
18	Appearance	Not Agreeable	Not Agreeable	Agreeable
19	Appearance after Filtration	Agreeable	Not Agreeable	Agreeable
20	Methyl orange Alkalinity as CaCO3 mg/l	209.88	247.5	138.6
21	P- Alkalinity mg/l	51.48	ND	ND
22	Non-Carbonate Hardness (as CaCO3 mg/l	ND	72.5	ND
23	E coli MPN/100ml	ND	ND	ND
24	Total coliform, MPN/100ml	ND	ND	ND



## 8 STP WATER

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depict below:

**TABLE 8.1: RESULTS OF STP WATER**

Quarter IV											
S. No.	Parameter	45 KLD New	10 KLD STP Near Service Building)	10 KLD STP Plant Canteen	45 KLD STP near Adani Vidhayala (Old)	120 KLD STP in Plant Premises	60 KLD New	10KLD III Guest House	10KLD 3 BHK	60KLD STP in Township (Old)	10KLD Hospital
1	pH (at 25°C)	7.01	7.13	7.14	7.01	6.97	7.04	7.08	7.05	7.24	7.06
2	Total Suspended Solid (TSS) mg/l	79	38	32	25	70	36	63	26	70	14
3	Nitrate Nitrogen mg/l	6.12	8.32	7.74	6.59	6.59	7.15	5.82	7.52	5.88	5.56
4	Ammonical Nitrogen (as NH <sub>3</sub> -N) mg/l	20.16	1.68	14.28	15.4	17.08	15.4	9.8	10.08	18.2	8.96
5	Biochemical Oxygen Demand (BOD) mg/l	28.89	7	9.5	9.33	25	8	28	11	26	5.5
6	Chemical Oxygen Demand (COD) mg/l	144	57.6	48	64	128	51.2	118.4	73.6	102.4	25.6
7	Total Kjeldahl Nitrogen mg/l	47.6	6.16	37.24	38.64	46.76	37.8	17.08	17.92	41.16	16.8
8	Oil & Grease mg/l	5	5	3	5	4	5	4	4	6	4
9	Free Available Chlorine mg/l	BDL (<0.1)	0.1	0.1	BDL (<0.1)	0.1	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
10	Bioassay Test	90% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	90% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent	90% Survival of Fish after 96 hours in 100% effluent	100% Survival of Fish after 96 hours in 100% effluent

## 9 ETP WATER

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depicted below:

**TABLE 9.1: RESULTS OF ETP OUTLET**

S. No.	Parameter	Unit	Quarter IV (Jan.2021 to Mar.2021)
1	pH	-	7.15
2	Total Suspended Solids (TSS)	mg/l	22
3	Outlet Temperature	°C	24
4	Chemical Oxygen Demand (COD), mg/l	mg/l	44.8
5	Copper (as Cu), mg/l	mg/l	0.01
6	Iron (as Fe) mg/l	mg/l	0.07
7	Zinc (as Zn) mg/l	mg/l	0.11
8	Phosphate (as P), mg/l	mg/l	BDL(<0.1)
9	Oil & Grease, mg/l	mg/l	6
10	Sulphide	mg/l	BDL (<0.1)
11	Free Available Chlorine	mg/l	BDL (<0.1)

## 10 ASH RECOVERY WATER

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depict below:

**TABLE 10.1: RESULTS OF ASH RECOVERY WATER Sample**

S. No.	Parameter	Units	Quarter IV	
			Ash Recovery Pump House 1	Ash Recovery Pump House 2
1	Lead (as Pb)	mg/l	0.07	BDL
2	Arsenic (as As)	mg/l	BDL	BDL
3	Total Chromium (as Cr)	mg/l	BDL	BDL
4	Cadmium (as Cd)	mg/l	BDL	BDL
5	Mercury (as Hg)	mg/l	BDL	BDL

## 11 FLY ASH [SILO]

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depict below:

**TABLE 11.1: RESULTS OF FLY ASH SAMPLE (Unit I)**

S. No.	Parameter	Unit	Quarter IV
1	Arsenic (As)	mg/kg	BDL
2	Mercury (Hg)	mg/kg	BDL
3	Lead as Pb	mg/kg	5.96
4	Total Chromium as Cr	mg/kg	7.56

**TABLE 11.2: RESULTS OF FLY ASH SAMPLE (Unit II)**

S. No.	Parameter	Unit	Quarter IV
1	Arsenic (As)	mg/kg	BDL
2	Mercury (Hg)	mg/kg	BDL
3	Lead as Pb	mg/kg	11.58
4	Total Chromium as Cr	mg/kg	17.81

## 12 SOIL

The measurements were conducted during the period of January 2021 to March 2021. The parameters covered in the monitoring are depict below:

**TABLE 12.1: RESULTS OF SOIL MONITORING**

S. No.	Parameter	Quarter-IV		
		Nimoda Village	Kawai Village	Phulbaroda Village
1	Boron [mg/kg]	BDL	BDL	BDL
2	Calcium as CaO [%]	1.96	2.72	2.19
3	Magnesium as MgO [%]	0.65	1.49	0.78
4	Potassium as K <sub>2</sub> O [%]	0.46	1.10	0.34
5	Iron as Fe [%]	3.19	3.64	5.65
6	Manganese as Mn [mg/kg]	1018.24	564.29	908.57
7	Phosphorus [%]	0.0026	0.0011	0.029



**Adani Power Rajasthan Limited  
2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Oct-2020)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date	UNIT 1	Unit 2
PM (mg/Nm <sup>3</sup> )		
01/10/2020	34.13	40.18
02/10/2020	29.69	40.92
03/10/2020	40.31	38.79
04/10/2020	36.64	40.09
05/10/2020	38.28	39.75
06/10/2020	37.19	39.36
07/10/2020	39.44	38.81
08/10/2020	41.28	40.02
09/10/2020	43.10	39.89
10/10/2020	40.72	39.3
11/10/2020	41.83	40.69
12/10/2020	37.70	40.11
13/10/2020	38.51	39.99
14/10/2020	32.58	39.22
15/10/2020	36.28	39.12
16/10/2020	42.10	40.51
17/10/2020	37.12	39.95
18/10/2020	40.00	40.18
19/10/2020	39.50	40.44
20/10/2020	41.58	40.01
21/10/2020	42.43	40.09
22/10/2020	40.32	40.78
23/10/2020	37.74	40.01
24/10/2020	42.56	40.66
25/10/2020	30.92	40.08
26/10/2020	34.03	38.98
27/10/2020	38.15	40.1
28/10/2020	38.27	38.81
29/10/2020	32.59	40.27
30/10/2020	31.32	40.04
31/10/2020	33.25	40.31
<b>Min</b>	<b>29.69</b>	<b>38.79</b>
<b>Max</b>	<b>43.10</b>	<b>40.92</b>
<b>AVG</b>	<b>37.65</b>	<b>39.91</b>

**Adani Power Rajasthan Limited  
2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Nov-2020)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date	UNIT 1	Unit 2
PM (mg/Nm <sup>3</sup> )		
01/11/2020	39.51	40.47
02/11/2020	39.50	40.73
03/11/2020	36.68	41.11
04/11/2020	38.69	41.20
05/11/2020	40.67	42.02
06/11/2020	36.44	41.78
07/11/2020	31.62	41.4
08/11/2020	29.03	41.33
09/11/2020	27.07	41.62
10/11/2020	24.50	41.66
11/11/2020	24.40	42.10
12/11/2020	28.41	41.96
13/11/2020	29.9	41.91
14/11/2020	25.41	41.80
15/11/2020	25.52	42.37
16/11/2020	24.31	41.92
17/11/2020	23.34	41.69
18/11/2020	28.42	42.05
19/11/2020	28.68	42.04
20/11/2020	26.75	41.34
21/11/2020	30.12	42.14
22/11/2020	32.21	41.41
23/11/2020	34.75	41.68
24/11/2020	31.27	41.51
25/11/2020	34.1	41.44
26/11/2020	29.09	40.89
27/11/2020	32.66	39.86
28/11/2020	35.83	41.06
29/11/2020	37.41	41.63
30/11/2020	35.21	40.47
<b>Min</b>	<b>23.34</b>	<b>39.86</b>
<b>Max</b>	<b>40.67</b>	<b>42.37</b>
<b>AVG</b>	<b>31.42</b>	<b>41.46</b>

**Adani Power Rajasthan Limited**  
**2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Dec-2020)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date	UNIT 1	Unit 2
	PM (mg/Nm <sup>3</sup> )	
01/06/2020	14.17	29.13
01/12/2020	35.91	41.51
02/12/2020	33.77	41.26
03/12/2020	35.7	42.08
04/12/2020	36.11	41.65
05/12/2020	33.12	42.1
06/12/2020	34.74	42.04
07/12/2020	35.53	42.17
08/12/2020	37.18	41.74
09/12/2020	37.09	41.67
10/12/2020	37.15	42.02
11/12/2020	32.42	42.17
12/12/2020	33.71	42.56
13/12/2020	32.63	42.67
14/12/2020	33.01	42.16
15/12/2020	32.49	42.21
16/12/2020	34.8	42.16
17/12/2020	35.5	42.04
18/12/2020	35.52	42.06
19/12/2020	36.59	42.08
20/12/2020	34.68	42.12
21/12/2020	37.48	41.73
22/12/2020	36.65	41.55
23/12/2020	38.67	41.73
24/12/2020	37.14	41.76
25/12/2020	36.12	41.3
26/12/2020	36.90	41.89
27/12/2020	34.71	41.36
28/12/2020	35.97	41.82
29/12/2020	37.16	41.96
30/12/2020	36.75	42.05
31/12/2020	37.09	41.66
<b>Min</b>	<b>32.42</b>	<b>41.26</b>
<b>Max</b>	<b>38.67</b>	<b>42.67</b>
<b>AVG</b>	<b>35.56</b>	<b>41.91</b>

**Adani Power Rajasthan Limited  
2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Jan-2021)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date (DD/MM/YY)	UNIT 1	Unit 2
PM (mg/Nm <sup>3</sup> )		
2021-01-01 00:00:00	37.02	40.52
2021-01-02 00:00:00	38.58	40.9
2021-01-03 00:00:00	37.02	40.91
2021-01-04 00:00:00	34.5	39.85
2021-01-05 00:00:00	34.6	38.48
2021-01-06 00:00:00	33.11	34.82
2021-01-07 00:00:00	36.92	35.27
2021-01-08 00:00:00	34.09	35.82
2021-01-09 00:00:00	34.72	28.61
2021-01-10 00:00:00	32.79	SD
2021-01-11 00:00:00	38.25	SD
2021-01-12 00:00:00	38.21	SD
2021-01-13 00:00:00	38.09	SD
2021-01-14 00:00:00	37.74	26.04
2021-01-15 00:00:00	37.70	38.34
2021-01-16 00:00:00	37.22	38.54
2021-01-17 00:00:00	37.94	35.41
2021-01-18 00:00:00	35.48	34.74
2021-01-19 00:00:00	30.09	34.54
2021-01-20 00:00:00	33.57	35.46
2021-01-21 00:00:00	33.8	34.12
2021-01-22 00:00:00	34.88	34.31
2021-01-23 00:00:00	32.09	33.26
2021-01-24 00:00:00	27.69	35.15
2021-01-25 00:00:00	27.94	36.9
2021-01-26 00:00:00	31.29	38.44
2021-01-27 00:00:00	34.14	38.48
2021-01-28 00:00:00	37.05	38.29
2021-01-29 00:00:00	33.46	38.41
2021-01-30 00:00:00	36.07	38.47
2021-01-31 00:00:00	36.49	38.4
<b>Min</b>	<b>27.69</b>	<b>26.04</b>
<b>Max</b>	<b>38.58</b>	<b>40.91</b>
<b>AVG</b>	<b>34.92</b>	<b>36.39</b>



**Adani Power Rajasthan Limited  
2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Feb-2021)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date (DD/MM/YY)	UNIT 1	Unit 2
PM (mg/Nm <sup>3</sup> )		
2021-02-01 00:00:00	36.62	38.59
2021-02-02 00:00:00	38.54	36.4
2021-02-03 00:00:00	38.9	34.78
2021-02-04 00:00:00	37.69	34.06
2021-02-05 00:00:00	37.45	38.51
2021-02-06 00:00:00	35.01	38.55
2021-02-07 00:00:00	30.55	38.53
2021-02-08 00:00:00	36.89	38.64
2021-02-09 00:00:00	37.94	35.2
2021-02-10 00:00:00	38.88	34.41
2021-02-11 00:00:00	40.53	33.12
2021-02-12 00:00:00	42.31	32.53
2021-02-13 00:00:00	41.94	32.99
2021-02-14 00:00:00	41.3	33.39
2021-02-15 00:00:00	35.79	33.49
2021-02-16 00:00:00	36.45	29.41
2021-02-17 00:00:00	38.2	34.76
2021-02-18 00:00:00	41.15	33.77
2021-02-19 00:00:00	40.64	32.83
2021-02-20 00:00:00	43.47	31.64
2021-02-21 00:00:00	40.19	32.02
2021-02-22 00:00:00	35.1	28.56
2021-02-23 00:00:00	35.84	30.23
2021-02-24 00:00:00	39.74	29.01
2021-02-25 00:00:00	38.25	29.22
2021-02-26 00:00:00	38.87	28.94
2021-02-27 00:00:00	36.85	32.23
2021-02-28 00:00:00	36.41	30.14
<b>Min</b>	<b>30.55</b>	<b>28.56</b>
<b>Max</b>	<b>43.47</b>	<b>38.64</b>
<b>AVG</b>	<b>38.27</b>	<b>33.43</b>

**Adani Power Rajasthan Limited  
2x660 MW Kawai Thermal Power Stations**

Annexure – 1A

<b>CONTINUOUS EMISSION MONITORING RESULTS (Mar-2021)</b>		
<b>Station: Stack Attached to Boiler 1 &amp; 2</b>		
<b>Report type: Mean &amp; Daily</b>		
<b>Time Base: 24 Hour</b>		
Date (DD/MM/YY)	UNIT 1	Unit 2
PM (mg/Nm <sup>3</sup> )		
2021-03-01 00:00:00	39.23	29.08
2021-03-02 00:00:00	39.73	29.2
2021-03-03 00:00:00	SD	28.6
2021-03-04 00:00:00	SD	28.12
2021-03-05 00:00:00	SD	27.95
2021-03-06 00:00:00	SD	28.23
2021-03-07 00:00:00	SD	28.19
2021-03-08 00:00:00	SD	28.42
2021-03-09 00:00:00	SD	28.24
2021-03-10 00:00:00	SD	28.48
2021-03-11 00:00:00	SD	29.34
2021-03-12 00:00:00	SD	34.03
2021-03-13 00:00:00	SD	35.29
2021-03-14 00:00:00	SD	37.21
2021-03-15 00:00:00	SD	38.83
2021-03-16 00:00:00	SD	39.51
2021-03-17 00:00:00	SD	39.12
2021-03-18 00:00:00	SD	39.69
2021-03-19 00:00:00	SD	38.01
2021-03-20 00:00:00	SD	37.62
2021-03-21 00:00:00	SD	39.59
2021-03-22 00:00:00	SD	38.8
2021-03-23 00:00:00	SD	37.6
2021-03-24 00:00:00	16.65	39.49
2021-03-25 00:00:00	10.1	38.22
2021-03-26 00:00:00	17.49	36.99
2021-03-27 00:00:00	26.64	36.93
2021-03-28 00:00:00	30.33	39.88
2021-03-29 00:00:00	25.66	39.39
2021-03-30 00:00:00	27.37	39.18
2021-03-31 00:00:00	31.4	40.07
<b>Min</b>	<b>10.10</b>	<b>27.95</b>
<b>Max</b>	<b>39.73</b>	<b>40.07</b>
<b>AVG</b>	<b>26.46</b>	<b>34.82</b>

# Adani Power Rajasthan Limited

Annexure – II

## GROUND WATER LEVEL MONITORING RESULTS

**LOCATION: Piezometric Wells Along With Ash Pond**

S. No.	Month & Year	Ground Water Table (BGL)		
		Location : 1	Location : 2	Location : 3
1.	October 2020	3.5 Meter	12.0 Meter	2.5 Meter
2.	November 2020	5.5 Meter	15.0 Meter	7.0 Meter
3.	December 2020	8.0 Meter	18.0 Meter	10.0 Meter
4.	January 2021	11.0 Meter	22.0 Meter	13.0 Meter
5.	February 2021	18.0 Meter	26.0 Meter	16.0 Meter
6.	March 2021	20.0 Meter	29.0 Meter	19.0 Meter

**Location 1:** South of Ash Pond (Nr. Labor Colony)

**Location 2:** East of Ash Pond (Nr. Ash Recovery Pump House)

**Location 3:** West of Ash Pond (Nr. Nimoda Railway Crossing)

**Adani Power Rajasthan Limited**  
**2 x 660 MW Kawai Thermal Power Station**

<b>Ash Generation, Utilization and Disposal Details (MT/Month)</b>										
S. No.	Month	Total Ash Generation	ASH UTILIZATION				Disposal In Ash Dyke	Total Ash Utilization	Percentage of Ash utilization	Balance in Ash Silo (Cumulative #)
			For Brick Construction	For Cement Manufacturing	Reclamation of Low Lying area	PWD				
7	Oct-20	149054.68	47141	132051	0	0	17141.29	179191.87	120.22	646.17
8	Nov-20	135781.47	35585	113032	8300	0	22811.29	156917.28	115.57	584.07
9	Dec-20	134739.15	30415	112042	7600	0	22231.96	150057.12	111.37	646.17
10	Jan-21	144064.41	43340	121182	0	1275	23338.43	165796.84	115.09	1049.08
11	Feb-21	133866.17	53130	114226	60	3870	19142.86	171285.85	127.95	1090.67
12	Mar-21	114650.40	65865	94803	0	1395	19490.59	162063.22	141.35	1447.28
<b>Total</b>		<b>812156.27</b>	<b>275476.00</b>	<b>687336.18</b>	<b>15960.00</b>	<b>6540.00</b>	<b>124156.42</b>	<b>985312.18</b>	<b>121.32%</b>	<b>1447.28</b>

**Balance in Silo-1447.28 MT**

**ASH PERCENTAGE IN COAL**

**(From October 2020 TO December 2020)**

<b>Month</b>	<b>Coal Consumption (MT)</b>	<b>Ash % in Coal</b>
<b>October-2020</b>	494936.00	30.12 %
<b>November-2020</b>	459649.02	29.54 %
<b>December-2020</b>	476295.68	28.29 %
<b>Quarterly Average</b>		<b>29.32 %</b>

**ASH PERCENTAGE IN COAL**

(From January'2021 to March'2021)

<b>Month</b>	<b>Coal Consumption (in MT)</b>	<b>Ash Content in Coal (in %)</b>
January- 2021	4,54,057	31.73
February- 2021	4,44,505	30.12
March-2021	3,52,641	32.51
<b>Quarterly Average (%)</b>	----	<b>31.38</b>

MT: Metric Tone

## Adani Power Rajasthan Limited

Annexure IV

### Greenbelt Details:

Green belt Area developed (ha)	No. of Trees Planted	No. of Shrubs Planted
<b>105.50</b>	<b>1,05,470</b>	<b>1,70,000</b>

#### PLANTED SPECIES IN AND AROUND PLANT PREMISES

Sr. No.	Scientific Name	Common Name
<b>Tress</b>		
1.	<i>Azadirachta indica</i>	Neem
2.	<i>Bauhinia blakeana</i>	Kachnar
3.	<i>Callistemon viminalis</i>	Pink Bottle brush
4.	<i>Casuarina equisetifolia</i>	Saru/Casuarina
5.	<i>Delonix regia</i>	Gulmohar
6.	<i>Phoenix dactylifera</i>	Date Palm
7.	<i>Punica granatum</i>	Pomegranate
8.	<i>Emblica officinalis</i>	Aamla
9.	<i>Eucalyptus hybrid</i>	Eucalyptus
10.	<i>Mangifera indica</i>	Aam/ Mango
11.	<i>Polyalthia longifolia</i>	Ashok/ False Ashok
12.	<i>Psidium guajava</i>	Guava
13.	<i>Syzygium cumini</i>	Jamun
14.	<i>Washingtonia filifera</i>	Washingtonia Palm
15.	<i>Wodyetia bifurcata</i>	Palm
16.	<i>Cassia seameia</i>	Cassia
17.	<i>Albizia lebeck</i>	Siris
18.	<i>Pongamia pinnata</i>	Karanj
19.	<i>Cordia longifolia</i>	Lasoor
20.	<i>Aegle Marmelos</i>	Bel
21.	<i>Dalbergia sissoo</i>	Shisham
22.	<i>Ficus religiosa</i>	Peepal
23.	<i>Cassia renigera</i>	Cassia
24.	<i>Parkinsonia sp.</i>	Parkinsonia
25.	<i>Cassia pinnata</i>	Amaltas
26.	<i>Alstonia scholaris</i>	Satparni
27.	<i>Citrus nobilis</i>	kinnow
28.	<i>Tectona grandis</i>	Teak
29.	<i>Olea europaea</i>	Olive
<b>Shrubs</b>		
30.	<i>Allamanda</i>	Yellow Bell
31.	<i>Bougainvillea spectabilis</i>	Bougainvillea/ Booganbel
32.	<i>Clerodendrum inerme</i>	Wild Jasmine
33.	<i>Cycas circinalis</i>	Cycas
34.	<i>Euphorbia milii</i>	Christ Thorn
35.	<i>Ficus panda</i>	Fig Tree
36.	<i>Hymenocallis caroliniana</i>	Spider Lily
37.	<i>Ixora hybrida</i>	Ixora
38.	<i>Jasminum molle</i>	Jui
39.	<i>Jatropha curcas</i>	Ratanjyot,
40.	<i>Nerium indicum</i>	Kaner
41.	<i>Nerium odoratum</i>	Kaner
42.	<i>Plumeria alba</i>	Champa
43.	<i>Tecoma</i>	Yellow Trumpetbush
44.	<i>Ziziphus mauritiana</i>	Ber/Bor/Indian plum

(Half yearly Report Oct.- March21)

adani

Growth  
with  
Goodness

## Corporate Social Responsibility Adani Power Rajasthan Limited, Kawai

### Overview of Kawai Site

adani | Growth  
with  
Goodness

In vicinity of Adani Power Rajasthan Ltd. We reach and spreading benefits to 28 villages, 14 Gram Panchayats, 32 Schools, 2 CHC, 2 PHC, 45 Aanganwadi centres., 12,294 household, 61,671 population.

All 28 Villages are divided in to 4 cluster for better reach and execution of our programs.

#### Cluster details:

Cluster One ( Core Zone)	Cluster Two ( Pipe Line Zone)	Cluster Three (Anicut Zone)	Cluster Four ( Buffer Zone)
<ul style="list-style-type: none"> <li>• Chatrapura</li> <li>• Baldevpura</li> <li>• Dhara</li> <li>• Nimoda</li> <li>• Khedli-gaddiyan</li> <li>• Salpura</li> <li>• Kawai</li> <li>• Mukundpura</li> </ul>	<ul style="list-style-type: none"> <li>• Sodalehri</li> <li>• Kharkhada Ramlothan</li> <li>• Dadwara</li> <li>• Bamori</li> <li>• Chothya</li> <li>• Mytha</li> <li>• Hathidilod</li> <li>• Phoollbaroda</li> <li>• Zarkhand</li> </ul>	<ul style="list-style-type: none"> <li>• Atru</li> <li>• Aton</li> <li>• Baldevpura (anicut)</li> <li>• Kunjer</li> </ul>	<ul style="list-style-type: none"> <li>• Aamapura</li> <li>• Bamapura</li> <li>• Lolahedi</li> <li>• Sindhani</li> <li>• Haniheda</li> <li>• Barla</li> <li>• Kherli-bansla</li> </ul>



## CSR @ Kawai...



EDUCATION



COMMUNITY HEALTH



SUSTAINABLE LIVELIHOOD



COMMUNITY INFRASTRUCTURE



UDAAN



SAKSHAM



SaHAJ

## Education...

- Preparation for digital coaching for JNVST; G-suit training conducted by Head office.
- JNV coaching classes starts on 17<sup>th</sup> December 2020 and ongoing till selection test as tentative date is 15<sup>th</sup> May 2021.
- Total 11 village level coaching centers running and cover 76 students from 15 vicinity Govt. schools.
- On SMILE online platform Education department using our impressive UTTHAN content as available on YouTube.
- 187 Eye glasses distributed to screened students of vicinity schools. Total 2033 students tested during Eye camp.
- Distribute 1400 Mask to students of class 9<sup>th</sup> to 12<sup>th</sup> of 7 Govt. schools as prepared under EVP.
- Mask provide under "NO MASK NO ENTRY" initiative of Government of Rajasthan.
- Support to Sports tournaments: Total 805 players and 65 teams participated in 2 Cricket and 1 Kabbadi tournament.
- Kawai, Sindhani & Baldevpura village were organized tournaments for local youth.
- Material distribution (Floor mat, White board, Ceiling fan etc.) in govt. school started total 13 school covered from cluster 1 and 4.
- Students furniture received at store and shall be distribute as per Covid-19 guidelines.
- With support of APRL sanitization carried out and remove Bee hive at Govt. Girls hostel Atru.

## Education...



JNV classes @ Dilodhathi



JNV weekly assessment @ Atru



JNV classes @ Solahedi



Eye glasses distribution @ Ramnagar



Mask distribution @ Phoolbaroda



Mask distribution @ Aanganwadi



Sports tournament @ Baldevpura



Material handover ceremony

## Adani Vidyalaya Kawai...

### > Study on virtual platform:

- ❖ Online classes and exams conducted for AVK students.
- ❖ Virtual Parent Teacher Meeting organized for discussing about students performance.
- ❖ Visit of CEO (Adani Power) Sh. Anil Sardana & other delegates at AVK. They appreciated to art and craft skills and interacted through online classes.
- ❖ Result Declaration in a very innovative way to motivate the students by celebrating this day as Convocation Ceremony.

### > Event celebration and extracurricular activities @ AVK:

- ❖ GANDHI JAYANTI- Students guised themselves as Mahatma Gandhi and made beautiful drawings on his valuable teachings.
- ❖ Various festivals celebrated at AVK like- Diwali, Holi, New year, Xmas, Republic day, Makar sakranti, Basant panchmi etc.,
- ❖ Students involve with their art & craft activity and teachers decorated school with particular festive theme.
- ❖ Students made various projects on Winter season and its helped children to learn about cycle of seasons..
- ❖ On 23rd January 2021, students of classes from 1 to 3 showcased their artistic skills at a poster making competition on road safety guidelines.

### > Training and skill enhancement workshop for teachers:

- ❖ A workshop based on memory games was organized for the teachers.
- ❖ A training session was organized by Head Education to provide knowledge about school management system.
- ❖ A parenting workshop was conducted for sensitize the teachers about inculcating the values of Love, Compassion, Positivity in the children.
- ❖ Quality management training session held to achieve quality education goals through planning, monitoring, assuring and improving.

## Adani Vidyalaya, Kawai...



CEO visit



Result Declaration



Gandhi Jayanti



On New year



On Independence day



Rangoli on Diwali



Basant Panchami



Road safety week



Gift distribution



Winter celebration



Woman's day



Teachers workshop

## Community Health...

- Provided Door step medical service in CSR working villages-
- Total 15938 patients benefited. (Males- 6750, Females -5757, Children- 3431).
- Multispecialty health Camp Organized in 4 Village in association with Gram panchayat and HelpAge India. Total 1717 patients benefited. (Dhara- 405, Dilodhathi- 512, Haniheda- 330, Kawai- 470)
- 5 Specialized doctors service provided in the camp:- Gynaecology, Skin, Eye, Paediatrics & General health.
- We also introduce testing facilities such as- Malaria test, Blood sugar test, Haemoglobin test, Urine test and pregnancy test etc.
- In consideration of Covid-19 scenario organized School health camp for periodical check-up of students- Total 2617 students benefited from 22 Govt. school.
- Hand Wash Day celebrated on 15<sup>th</sup> October at Dadwara village. explained the importance of washing hands and also explained that how to wash hand step by step.
- 56 Awareness sessions organized on Covid-19 pandemic;- During the awareness sessions doctor shared to our beneficiary regarding protective measure such as wash your hand properly by the soap, wear mask, do not go outside, restrict large gathering during pandemic situation and Vaccination awareness.
- Blood sugar testing has been done for 119 patients during October to March 21.
- 20 patients were referred to govt. hospitals for their further treatments during such treatment observation.

# Community Health...



MHCU service in villages



Home visit for elder patients



Health camp @ Haniheda



Health camp @ Dhara



Health camp @ Kawai



Health check-up @ Schools



Awareness session @ Dilodhathi



Awareness session @ Aton

# Community Health...

## Case Study

- Mr. Gobari Lal 69 year old. He lives in Chhotya Village with his wife .He has no any Children. They fulfil their daily needs by old age Pension Scheme. He is fully depended on MHU project for Primary Health treatment.
- Mr. Gobari Lal is regular Beneficiary from last Three year. He is suffering from Asthma from last three year.
- Three year back his treatment was going on from Private Clinic at Atru but he did not to go Atru continuously due to long distance and high cost of treatment. He was very sad because his health was worse day by day and he has no money to take continuously treatment from private hospital.
- Three Year Back he Know about our free of cost treatment at village level. He was very sad and his health was worse day by day.
- He came to MHU site and told all problems to our MHU team. Doctor diagnosed him after checking his reports and prescribed medicines Salbutamol Tab and Inhaler regularly. MHU Doctor suggested him to take regular treatment from MHU . Now his Health condition is very well.
- Adani CSR Team taking regular follow-up her treatment.

## Testimonial

I am Very Thankful to HelpAge Team because they take care of me like a family.  
I am very thankful to Adani Foundation also for provide batter treatment at village level. I hope this facility will going on continuously.



## Community Health...

### Case Study

- Mrs. Kasturi Bai is 85 years old. She lives in Sodalhedi Village. She has 5 sons and a daughter and Her sons are farmer . Her family is fully depended on MHU project for Primary Health treatment.
- Mrs. .Kasturi Bai is regular Beneficiary from last Four year. She is suffering from Sugar, Hypertension and general illness.
- Four year back her treatment was going on from CHC Kawai but she did not go to Kawai continuously due to distance and there was no proper public transport facility from Sodalhedi village. Her health was worse day by day.
- Four years back She knew about our free of cost treatment at village level. She was very happy to knows this. She came to MHU site and told all problems to our MHU team. Doctor diagnosed her after checking her reports. MHU Doctor prescribed medicine Glimepiride 1 mg, metformin 500 mg, and Amlodipine 5 Mg tablets regularly. MHU Team together suggested her to take regular treatment from MHU.
- Now she is very happy and her Health condition is very well.

### Testimonial

I am Very Thankful to Adani Foundation for provide a batter treatment and give a chance to live a batter life.  
I am Very Happy with MHCU Project. Because we got a batter treatment at village level. I am totally satisfied from this service.



## Sustainable Livelihood...

### ➤ PASHUDHAN PROJECT:

- ❖ 513 Cattle covered through Artificial insemination and 92 new calf born from October to March, 2021.
- ❖ 03 Female calves born thru Sex sorted semen on pilot project.
- ❖ Cattle health treatment camp organized at Nimoda & Haniheda village and total 591 cattle treated.
- ❖ Cattle Fodder seed and feed supplementary distribution to 150 farmers.

### ➤ KRUSHI KOSHAL:

- ❖ For better yield hybrid vegetable seed distributed to 25 vicinity farmers.
- ❖ Visit of technical expert from BAIF Udaipur for create awareness among farmers for better care and treatment of plants.
- ❖ Total 42 Wadi visited from 18 villages and advice for better care.
- ❖ Fruiting started in mango and pomegranate as plants distributed earlier.

### ➤ INSTITUTION BUILDING:

- ❖ Group formation in 12 villages total 20 village facilitator selected.
- ❖ Two days training conducted for village facilitator on improved agriculture, Microfinance and dairy based livelihoods
- ❖ Expert from BAIF and Aajivika mission participated as a resource parson and total 35 village facilitator and active women participated in training.

## Sustainable Livelihood...



Artificial insemination service



Newly born calf



Health camp @ Haniheda



Seed distribution to Farmers



BAIF Technical expert visit



Well grown fodder for cattle



Institution building training @ Chatrpura



Institution building training @ Dadwara

## Community Infrastructure ...

- **Construction of Barla water tank: completed.**
  - ❖ Benefit reach to 838 people of Barla village.
- **Inauguration and handover to community- The Bituminous road NH 90 to Seendhani village.**
  - ❖ Benefit reach to 2405 people of 5 villages (Seendhani, Amapura, Bamapura, Lolaheri, Hanihera, census 2011).
- **Open Gymnasium at Kunjer:**
  - ❖ Equipment installed and hand over to Grampanchayat for take care.
  - ❖ Local youth and Children utilizing installed Gym facility at Grazing land Kunjer.

## Community Infrastructure ...



Barla Water Tank



Bituminous road NH 90 to Seendhani village



Villagers meet with Plant head & expressing Gratitude



Inauguration and handover of Seendhani Road



Open Gym Equipment installed @ Grazing land



People appreciate & utilizing the Gym facility

## Adani Skill Development Center...

- New batches started in outreach:- 168 admission
  - ❖ 5 Digital literacy batch started at Atru and Kawai with 91 trainee.
  - ❖ 2 Beauty & wellness batch started at Baran and Kawai with 30 trainee.
  - ❖ 3 Self Employed Tailor batch started at Baran and Kawai with 46 trainee.
  - ❖ 1 trainee take admission in online mode for Interview preparation skill course and got employment at Fino payment bank.
- Mobilization and awareness activity conducted for Skill development courses at various locations like- Village, Schools, Hostel etc.
- Provide an opportunity & counselling to trainee for job and 16 candidate apply in Fino Payment Bank after interview 1 candidate selected for Baran with 1.60 CTC.
- 2 virtual meetings held with Commissioner of college education Rajasthan and discussed about skill enhancement in Rajasthan.
- Meetings with all Govt. colleges of Baran & Jaisalmer and discussion about implement Adani skill development courses in colleges.
- Fire & Safety awareness session conducted at SAKSHAM center.
- Organize Certificate distribution ceremony and meeting for placement & discuss about self employment strategy at local level.
- CEO-Adani Power Sh. Anil Sardana sir, & COO-Adani Power Sh. Jaydeb nanda sir visited to ASDC center and appreciate the efforts.
- One DL trainee placed at DDUGKY as computer trainer and earning monthly salary Rs. 7500/-.
- Our SAKSHAM trainees received one more order from Adani power Rajasthan limited for stitching of 1500 Mask.
- Festival of Colors celebrated at center. Trainees enjoy the Holi and to wishes each other.

# Adani Skill Development Center...



# Adani Skill Development Center...

(Success story)

- **Rohit Gupta** is of 22 year of old residents of Baran city. He has completed B.Com and plan studies further. Rohit belongs to lower middle class family and he is elder from two sister. His father runs a Mess in coaching institute at Kota.
- As entry of Covid-19 in area the situation worse, family income is closed from last 8 months due to lockdown. As elder son Rohit feel the parents pain and searching for job. But in covid-19 scenario there is no vacancy found. During this he reach to Adani skill development centre through social media platform. SAKSHAM team guide him, than he take admission in online course of Interview preparation skill.
- SAKSHAM team regular in touch with Rohit and during course we provide a job opportunity in Fino payment bank for Baran location. He attend and got selected with CTC of 1.60 lac. Now he is employed and supporting family for livelihood in this pandemic situation.
- Rohit said its great support from ASDC; I will complete my studies and dream to build career in financial sector. Rohit's family showing gratitude towards Adani skill development centre for providing such opportunity.



Rohit Gupta



# Adani Skill Development Center...

(Success story)

- **Ms. Ranu Bairwa** is 20 year old girl she is under graduate and lived in vicinity of APRL at Haniheda village. Ranu comes from poor socio-economic background so always trying to do something for earn some money and support to family. With this aspect she travel daily 20 KM for attend Digital literacy class and searching for jobs in near town. 20KM journey is more difficult because in the area Public transport facility is very poor.
- Ranu have 4 siblings 2 brother and 2 sister. During mobilization she heard about SAKSHAM and take all discussion and detail about courses and get ready for admission in Digital Literacy course.
- SAKSHAM team regular in touch with Ranu & during discussion we found her struggle of transportation and family status. But she is stay motivated and dedicated towards classes and learning. She spent more time at centre and supporting to trainer after the classes. After completing the course she attend the interview and selected as computer trainer at DDUGKY centre Kawai. At first she is getting Rs. 7500/- month.
- Ranu and her family very happy and expressing gratitude towards ASDC for provide such wonderful platform and support during course of time.



Ranu Bairwa

# SaHAJ...

- The project SaHAJ (Sanitation and Health Awareness Joint-venture) derived and it's a next step of Suposhan.
- The SaHAJ program will spread awareness and livelihood among vicinity women with support & Awareness for use of sanitary pad and its Disposal.
- The project inauguration on dated 12th January, 2021 with divine hand of Sh. Anil Sardana (CEO- Adani Power).
- This project impacting to life of more than 10,008 women- (Adolescent Girls: - 3111 & Reproductive age group women: - 6897) as identified during Suposhan.
- To making sanitary pad we formed and trained a group of 05 women, all these women belongs to deprived section and very needy for livelihood.
- Parallel we provide livelihood exposure to Sanginis and other needy women of nearby villages through marketing and selling of these Sanitary pads in nearby area.
- Awareness fair organized on Menstrual hygiene and usages of sanitary pads. Total 971 women participated in 20 camp on various locations of surrounding villages.
- Sanitary pad distribution work starts in 3 villages, Kawai, Khedli Gaddiyan and Phoolbadoda.

## SaHAJ...



Meeting & Program planning



Inauguration of SaHAJ



CEO Sir discussing about program



Sanitary pad making at centre



Awareness fair @ Phoolbaroda



Awareness fair @ Kunjer



Awareness fair @ Dhara



Awareness fair @ Haniheda

## Employee Volunteer Program...

The Adani Foundation has taken up the initiative with motive of "SHAYOG" & "SATKARMA". The Employee volunteer program spread huge benefits and support to surrounding community. The people of APRL feel satisfaction and bonding with vicinity deprived section and take participation to transform the life.

- The 1400 Mask and soap distributed to Govt. schools for class 9<sup>th</sup> to 12<sup>th</sup> class under Employee volunteer program and support to Government initiative NO MASK NO ENTRY.
- 70 Mask distributed to Old age home Atru and spread awareness about Covid-19.
- 35 Mask distributed to Aanganwadi center Solahedi and spread awareness about Covid-19.
- sanitization carried out and remove Bee hive at Govt. Girls hostel Atru.
- One more order of 1500 mask stitching placed to ASDC trainee by APRL under Employee volunteer program.
- Shanti Urja club members visited to Adani skill development center and motivates to trainees for better work and ensure for more support from APRL side.



Mask distribution



Remove Bee hive @ Girls hostel Atru



Remuneration handover to trainees



Shanti Urja club visits to ASDC

# Media Coverage...

### कबड्डी प्रतियोगिता का शुभारंभ

कबड्डी प्रतियोगिता का शुभारंभ हुआ। कार्यक्रम में भाग लेने वाले सभी खिलाड़ियों को प्रोत्साहित किया गया।

### कबड्डी में लक्ष्मीपुरा ने बलदेवपुरा को हराया

लक्ष्मीपुरा की टीम ने बलदेवपुरा को हराया। यह प्रतियोगिता का एक महत्वपूर्ण मैच था।

### खेती-गोशाला विज्ञान, कबड्डी टीम की उपबिजेता

खेती-गोशाला विज्ञान प्रतियोगिता में भाग लेने वाले खिलाड़ियों को प्रोत्साहित किया गया।

### पत्रिका ब्यूरो कबड्डी प्रतियोगिता का शुभारंभ

कबड्डी प्रतियोगिता का शुभारंभ हुआ। कार्यक्रम में भाग लेने वाले सभी खिलाड़ियों को प्रोत्साहित किया गया।

### मास्क बांटे, किया जागरूक

मास्क बांटे, किया जागरूक। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### फेस मास्क पहनने और स्वास्थ्य मानकों का पालना करने की चूड़ों को दी सहाय

फेस मास्क पहनने और स्वास्थ्य मानकों का पालना करने की चूड़ों को दी सहाय। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### निःशुल्क स्वास्थ्य जांच शिविर आयोजित

निःशुल्क स्वास्थ्य जांच शिविर आयोजित। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### दवा में स्वास्थ्य जांच शिविर आयोजित

दवा में स्वास्थ्य जांच शिविर आयोजित। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### शिविर में किया रोगियों का उपचार, दी दवा

शिविर में किया रोगियों का उपचार, दी दवा। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### सहज कार्यक्रम का किया उद्घाटन

सहज कार्यक्रम का किया उद्घाटन। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

# Media Coverage...

### अदाणी के कौशल विकास से क्षेत्र होगा आत्मनिर्भर

अदाणी के कौशल विकास से क्षेत्र होगा आत्मनिर्भर। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### अदाणी के कौशल विकास से आत्मनिर्भर बनने में मदद

अदाणी के कौशल विकास से आत्मनिर्भर बनने में मदद। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### अदाणी के कौशल विकास से क्षेत्र होगा आत्मनिर्भर

अदाणी के कौशल विकास से क्षेत्र होगा आत्मनिर्भर। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### अदाणी का प्रयास - पशुपालन के माध्यम से क्षेत्र में बढ़ रही उन्नत नस्ल की बछड़िया

अदाणी का प्रयास - पशुपालन के माध्यम से क्षेत्र में बढ़ रही उन्नत नस्ल की बछड़िया। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### कोविड टीकाकरण के लिए कर रहे जागरूक

कोविड टीकाकरण के लिए कर रहे जागरूक। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### शिविर में 330 लोगों की जांच कर निःशुल्क दवाइयां वितरित की

शिविर में 330 लोगों की जांच कर निःशुल्क दवाइयां वितरित की। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### दिलोद हाथी में अदाणी फाउंडेशन व ग्राम पंचायत द्वारा निःशुल्क स्वास्थ्य जांच शिविर आयोजित

दिलोद हाथी में अदाणी फाउंडेशन व ग्राम पंचायत द्वारा निःशुल्क स्वास्थ्य जांच शिविर आयोजित। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### किसानों को सीखने के बीच विरिद्धि कि

किसानों को सीखने के बीच विरिद्धि कि। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### महिलाओं को किया गया सम्मानित

महिलाओं को किया गया सम्मानित। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

### अदाणी फाउंडेशन द्वारा आजीविका विकास एवम् महिला समर्थन पर प्रशिक्षण का आयोजन

अदाणी फाउंडेशन द्वारा आजीविका विकास एवम् महिला समर्थन पर प्रशिक्षण का आयोजन। कार्यक्रम में भाग लेने वाले सभी लोगों को प्रोत्साहित किया गया।

**adani**

**Power**

Ref: APRL/PK/GOVT/RSPCB/00538

Date: 26.09.2020

**To,**  
**The Member Secretary**  
**Rajasthan State Pollution Control Board,**  
4, Institutional Area, Jhalana Doongri,  
Jaipur - 302004

**Subject: Submission of Environmental Statement for the Financial Year 2019-20.**

**Ref** : Consent to Operate Order No. 2019 - 2020/HDF/2773 dated 09.08.2019.

Dear Sir,

With reference to above subject, kindly find enclosed herewith Environmental Statement for financial year ending 2019-20, along with Form-V prescribed under Rule 14 of the Environment (Protection) Rules 1986, in respect of Kawai Thermal Power Station.

Kindly acknowledge the same.

Thanking You,

**For Adani Power Rajasthan Ltd.**



Authorized Signatory

**Cc: The Regional Officer**  
**Rajasthan State Pollution Control Board**  
SPL-2A, Road No.6, Indraprasth Industrial Area,  
Kota-324005 (Rajasthan)

Encl : As above

Adani Power Rajasthan Ltd  
NH 90, Atru Road  
Village Kawai, Tehsii Atru  
Baran 325 219  
Rajasthan, India  
CIN U40104GJ2008PLC052743

Tel +91 744-27-78600  
info@adani.com  
www.adanipower.com

Registered Office: "Adani corporate House," Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382 421, Gujarat, India

**ENVIRONMENT STATEMENT**  
**FOR FINANCIAL YEAR**  
**2019 – 2020**



**ADANI POWER RAJASTHAN LIMITED**

**Village: Kawai, Taluka: Atru**

**Baran, Rajasthan**

## ENVIRONMENTAL STATEMENT

### FORM V

(See Rule 14)

**Environmental Statement for the financial year (April 2019 to March 2020)**

From:

**Adani Power Rajasthan Ltd.**

Village: Kawai, Taluka: Atru

District: Baran,

Rajasthan – 325 219

To:

**The Member Secretary,**

Rajasthan State Pollution Control Board,

4, Institutional Area, Jhalana Doongri,

Jaipur – 302 004

### PART - A

- i) Name and address of the owner / occupier of the industry Operation or Process
  - Name : Mr. Arindam Chatterjee (Station Head)
  - Address : NH-90, Atru Road, Village Kawai,  
Tehsil Atru, Distt. Baran 325219 (Rajasthan)
- ii) Industry category
  - Primary-(STC Code)- Secondary-(STC Code) : Primary (Large Scale)
- iii) Production capacity-Units : 1320 MW (2 x 660MW) Power Generation
- iv) Year of establishment :  
**Unit#1** Commissioned on 28<sup>th</sup> May 2013  
**Unit#2** Commissioned on 31<sup>st</sup> December 2013  
(Consent to operate is valid up to 29.02.2024).
- v) Date of the last environmental statement submitted: **23.09.2019**

### PART B

Water and Raw Material Consumption:

1. Water consumption m<sup>3</sup>/d

- |             |         |
|-------------|---------|
| a) Process  | : 936   |
| b) Cooling  | : 54980 |
| c) Domestic | : 663   |

Name of Products	Process water consumption per unit of product output	
	During the previous financial year (2018-19)	During the current financial year (2019-20)
	(1)	(2)
Power	2.54 KL/MWh	2.56 KL/MWh

2. Raw Material Consumption

Name of Raw Materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (2018-19)	During the current financial year (2019-20)
(1) Coal	Power	570 gm/Kwhr	561 gm/Kwhr
(2) Fuel Oil	Power	0.08 ml/Kwhr	0.07 ml/kwhr

\*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

**PART C**

**Pollution discharged to environment / unit of output:**

(Parameter as specified in the consent issued)

Sr. No.	Pollution	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a)	Water	Nil	NA	NA
(b)	Air (Particulate Matter in mg/NM <sup>3</sup> )	<b>Unit#1</b> : 2.11 TPD <b>Unit#2</b> : 2.06 TPD	<b>Unit#1</b> : 36.13 <b>Unit#2</b> : 34.09	Within Limit specified in CTO

- **Water-** No discharge of waste water.

**Note-** 100% effluent is treated and recycled back. Hence, there is no discharge of effluent in the environment.

**PART - D**

**Hazardous Wastes:**

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016).

Sr. No.	Hazardous Wastes	Total Quantity (Kg)	
		During the previous financial year (2018-19)	During the current financial year (2019-20)
a)	From Process <ul style="list-style-type: none"> <li>• Used/Spent Oil</li> </ul>	<ul style="list-style-type: none"> <li>• 7.58 KL (Generated)</li> <li>• 8.72 KL (Sold Out)</li> <li>• 1.89 KL (Balance)</li> </ul>	<ul style="list-style-type: none"> <li>• 17.84 KL (Generated)</li> <li>• 12.22 KL (Sold Out)</li> <li>• 7.51 KL (Balance)</li> </ul>
	<ul style="list-style-type: none"> <li>• Discarded Containers</li> </ul>	<ul style="list-style-type: none"> <li>• 42 Nos. (Generated)</li> <li>• 42 (Sold Out)</li> <li>• 30 Nos. (Balance)</li> </ul>	<ul style="list-style-type: none"> <li>• 99 Nos. (Generated)</li> <li>• 60 (Sold Out)</li> <li>• 69 Nos. (Balance)</li> </ul>
b)	From pollution control facilities	NA	NA

**PART – E**

**Solid Wastes:**

Sr. No.	Solid Wastes	Total Quantity (Tons)	
		During the previous financial year (2018-19)	During the current financial year (2019-20)
a)	From Process (Bottom Ash)	0 (Laying in Ash Pond)	0 (Laying in Ash Pond)
b)	From pollution control facilities (Ash from ESP)	1027316 (Dispose to Cement & Brick Plant)	1330649 (Dispose to Cement & Brick Plant)
c)	Quantity recycled or re-utilized within the unit recycled or re-utilized	466558 (In reclamation of low laying area)	213831 (In reclamation of low laying area within Plant premises)



## PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

- Hazardous waste (Used/Spent oil) is sold to authorized vender. (Please Refer Part - D for Hazardous waste generation and disposal)
  
- Fly Ash utilized by following Industries
  - Birla Corporation Ltd.
  - Heidelberg Cement India Ltd.
  - J.K.Cement Ltd, Nimbahera
  - Mangalam Cement Ltd.
  - Nuvoco Vistas Corp. Ltd.
  - Wonder Cement Ltd.
  - Shri Ram Cement Works
  - J.K.Cement Ltd. (Mangrol)
  - The India Cements Limited
  - ACC Limited
  - Ambuja Cement Ltd.
  - The India Cement Ltd.
  - Tsg Ashtech Movers Pvt. Ltd.

## PART – G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

- Kawai Thermal Power Station of M/s Adani Power Rajasthan Limited is based on super critical technology of power generation, which is cost effective and reduce the consumption of both natural resourced raw materials, Water & Coal.
- The stack emissions from the plant are controlled by Electro Static Precipitator (ESP).
- Chimney of 275m height is constructed.
- Other pollution control equipments like Dust Extraction System & Dust Suppression System are installed at various material transfer points to control the fugitive emissions.
- Real time monitoring system for both EQMS & CEMS installed as per the direction of CPCB/RSPCB issued, under Air & Water Act.
- Remote calibration completed in Each Gaseous OCEMS
- Utilization of rain water collected during monsoon in Rain Water Harvesting Pond

## PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution

- Installation of Flue Gas Desulphurization (FGD) unit to reduce SO<sub>2</sub> emission as per CPCB direction.
- Installation of Flow monitoring device at both flue cane of Unit-1 & 2.
- Installation of upgraded Electronic Data Display Board for Real time data display in Public domain.

## PART - I

### **Miscellaneous**

Any other particulars in respect of Environmental Protection and abatement of pollution.

1. 102857 trees planted up to financial year 2019-20 with 90% survival.
2. Ambient air quality monitoring by RDS & Fine Particulate Sampler is carried out at 3 locations within plant premises as per CPCB guidelines.
3. Continuous Ambient Air Quality Monitoring carried out at 3 locations within the plant premises.
4. Continuous Emission Monitoring System is installed and under operation at 80m height in both the flue cane of 275m Chimney.
5. Ambient noise levels is being monitored at 10 identified locations within the plant premises.
6. EMS as per ISO 14001:2015 is implemented at Kawai Thermal Power Station and certified by TUV NORD CERT GmbH
7. Good housekeeping is maintained in and around the plant area. 5S initiative is taken up at Kawai Thermal Power Station.
8. Harness of solar energy is introduced by installation of Solar Street Light.
9. CTO compliance report is being submitted to RSPCB on quarterly basis.
10. Six monthly EC Compliance report is being submitted to RSPCB/MoEFCC on regular basis.
11. 5S Implementation for waste minimization
12. Integrated Management System has implemented.
13. Energy Management System has implemented.
14. MoEFCC, RSPCB approved third Party Environment Monitoring is being carried out at quarterly basis.

  
**Authorized Signatory**  
**(Adani Power Rajasthan Ltd.)**





**National Accreditation Board for  
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



**CERTIFICATE OF ACCREDITATION**

**ENVIRONMENTAL LABORATORY, ADANI POWER  
RAJASTHAN LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

VILLAGE: KAWAI, ATRU, BARAN, RAJASTHAN, INDIA

in the field of

**TESTING**

Certificate Number: TC-5235

Issue Date: 28/08/2019

Valid Until: 27/08/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer

<b><u>Expenditure for Environmental Protection &amp; CSR</u></b>		
<b>(Fig. in Rs. Lacs)</b>		
<b>Sr. No.</b>	<b>Particular</b>	<b>Expenditure from (Oct-20 to Mar-21)</b>
1.	Rural Development/CER/CSR Activities (Education, community health, Sustainable Livelihood, Rural Infrastructure etc.)	51.81
2.	Green belt Development (Horticulture)	56.83
3.	Legal, Consent fees	40.09
4.	Third party monitoring, Services and Equipment & Instruments maintenance, Communication cost.	70.49
5.	Insurance, training and external environmental Management (IMS)	0.51
6.	Cost involved in emission treatment and disposal (AHP, ETP, CHP etc.)	104.30
<b>Total</b>		<b>324.03</b>



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce &amp; Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum &amp; Explosives Safety Organisation (PESO)

पांचवा तल, ए-ब्लॉक, सी.जी.ओ.कॉम्प्लेक्स, सेमिनरी हिल्स

नागपुर- 440006

5th Floor, A-Block, CGO Complex, Seminary Hills,  
Nagpur - 440006

E-mail : explosives@explosives.gov.in

Phone/Fax No : 0712 -2510248, Fax-2510577

संख्या /No. : P/HQ/RJ/15/2337 (P295058)

दिनांक /Dated : 16/04/2019

सेवा में /To,

M/s. M/s Adani Power Rajasthan Limited.,  
Kawai Thermal Power Project Near Salapura Railway S,  
Kawai,  
Kawai,  
Taluka: Atru,  
District: BARAN,  
State: Rajasthan  
PIN: 325219

123 APR 2019

विषय /Sub : Plot No, Plot No. 504, Khasara No. 1337, Survey No. 1337,, NA, Village-Kawai, Teh-Atru,, Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219 में स्थित पेट्रोलियम वर्ग B,C अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं P/HQ/RJ/15/2337 (P295058) - संशोधन के संदर्भ में ।  
Existing Petroleum Class B,C Installation at Plot No, Plot No. 504, Khasara No. 1337, Survey No. 1337,, NA, Village-Kawai, Teh-Atru,, Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219- Licence No. P/HQ/RJ/15/2337 (P295058) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय /Sir

(C),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या NIL दिनांक 26/03/2019 का संदर्भ ग्रहण करें ।

Reference to your letter No. NIL dated 26/03/2019 on the above subject.

दिनांक 31/12/2019 तक वैध अनुज्ञप्ति संख्या P/HQ/RJ/15/2337 (P295058) दिनांक 16/04/2019 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. P/HQ/RJ/15/2337 (P295058) dated 16/04/2019 valid upto 31/12/2019 is returned herewith duly amended with respect to Lay out Amendment, Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum

किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced  
in KL

वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	75.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	7000.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL

कुल क्षमता /Total

7075.00 KL

कृपया पावती दें।

Please acknowledge the receipt.

Note : Your Balance Amount with the Organisation is ₹ 100000, which will be used for processing of the same Licence in future.

भवदीय /Yours faithfully,

(व्ही.के.मिश्रा)  
(V K Mishra)उप मुख्य विस्फोटक नियंत्रक  
Dy. Chief Controller of Explosives  
कुते मुख्य विस्फोटक नियंत्रक  
For Chief Controller of Explosives  
नागपुर/Nagpur

Copy forwarded to :-

1. The District Magistrate, BARAN(Rajasthan) with reference to his NOC No F-7/Jud/2012/5177-81 Dated 26/11/2012
2. Jt. Chief Controller of Explosives, North Circle, FARIDABAD. A Copy of the licence along with approved plan is enclosed.
3. The Dy. Chief Controller of Explosives, Jaipur. A Copy of the licence along with approved plan is enclosed.

For Chief Controller of Explosives  
Nagpur(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

फॉर्म XV  
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)  
FORM XV  
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति  
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION



अनुज्ञप्ति सं. (Licence No.): P/HQ/RJ/15/2337(P295058)


M/s. M/s Adani Power Rajasthan Limited., Kawai Thermal Power Project Near Salpura Railway S, Kawai, Kawai, Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 7075.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या P/HQ/RJ/15/2337(P295058) तारीख 04/12/2012 जो कि इससे उपाबद्ध हैं, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति के अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to M/s. M/s Adani Power Rajasthan Limited., Kawai Thermal Power Project Near Salpura Railway S, Kawai, Kawai, Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219 valid only for the importation and storage of 7075.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/RJ/15/2337(P295058) dated 04/12/2012 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December 2019 तक प्रवृत्त रहेगी।  
The Licence shall remain in force till the 31st day of December 2019

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से अिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	75.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से अिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	7000.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से अिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	7075.00 KL

December 4, 2012

  
Chief Controller of Explosives

1). Amendment dated - 16/04/2013

अनुज्ञप्त परिसरों का विवरण और अवस्थान  
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विविध सोमाएं अन्य विशिष्टयां संलग्न अनुमोदित नक्शों में दिखाई गई हैं Plot No: Plot No. 504, Khasara No. 1337, Survey No. 1337., NA, Village-Kawai, Teh-Atru., Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219 स्थान पर अवस्थित है तथा उसमें निम्नलिखित 1 Above Ground tank(s) for CLASS B , 4 Above Ground tank(s) for CLASS C सम्मिलित हैं।  
The licensed premises the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Plot No. 504, Khasara No. 1337, Survey No. 1337., NA, Village-Kawai, Teh-Atru., Taluka: Atru, District: BARAN, State: Rajasthan, PIN: 325219 and consists of 1 Above Ground tank(s) for CLASS B , 4 Above Ground tank(s) for CLASS C together with connected facilities.

नवीनीकरण के पृष्ठांक के लिए स्थान  
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।  
This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी। This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
1).	16/12/2013	31/12/2016	Sd/- Dr. Yogesh khare Dy. Chief Controller of Explosives Jaipur
2).	22/11/2016	31/12/2019	Sd/- Nitin Goyal Dy. Controller of Explosives for Dy. Chief Controller of Explosives Jaipur

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चात्पुनः अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।  
This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.