



Ref: APL/EPMPL/EMD/EC/MoEFCC/235/11/22
Date- 29.11.2022

To,
Additional Principal Chief Conservator of Forest (APCCF)
Ministry of Environment, Forest and Climate Change
Regional Office, Western Region
Kendriya Paryavaran Bhavan,
Link Road No- 3, E-5, Ravi Shankar Nagar
Bhopal - 462 016 (M.P)

Sub: Six Monthly Compliance Status of Environment Clearances for Mahan Thermal Power Plant at Village Bandhaura, District Singrauli, Madhya Pradesh.

Ref: Environmental clearance letter no. **J-13011/56/2006-IA.II (T)** Dated- 20.04.2007 & Its subsequent amendment vide letter dated 10.02.2009, 23.08.2013 and 08.04.2016.

Dear Sir,

With reference to above subject, please find enclosed herewith Six-Monthly Environment Clearances (EC) compliance status report along with Environmental monitoring reports as Ambient Air Quality, Water Quality, Noise level & Soil quality, CAAQM data, Met. data, Greenbelt development, Fly ash & CSR Report etc. for the period of **April'2022 to September'2022** in soft (e-mail).

This is for your kind information & record please.

Thanking You,
Yours faithfully,
for **Mahan Energen Ltd.**

(Santosh Kumar Singh)
Authorized Signatory

Encl: as above

cc:

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

Member Secretary,
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, E-5, Arera Colony,
Bhopal, MP

The Regional Officer
Madhya Pradesh Pollution Control Board
Bhakar, Navgarh, Singrauli, MP-486887

Mahan Energen Ltd
(Formerly Essar Power MP Ltd)
Adani Corporate House
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**SIX MONTHLY COMPLIANCE REPORT OF
ENVIRONMENTAL CLEARANCE**

1200 (2x600) MW Thermal Power Plant

At

**Village Bandhaura, Tehsil Mada,
District Singrauli, Madhya Pradesh**

Submitted to:

**Integrated Regional Office, Bhopal
Ministry of Environment, Forest & Climate Change
Central Pollution Control Board, New Delhi &
Madhya Pradesh Pollution Control Board, Bhopal**



Submitted By:

**Environment Management Department
Mahan Energen Limited**

(Formerly Known as Essar Power (MP) Limited)

Bandhaura Village, Mada Tehsil-Singrauli
District, 486 886-Madhya Pradesh

PERIOD: April'2022 to September'2022

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Background of the Project:

Essar Power (MP) Limited (EPMPL) was primarily engaged in the business of power generation. The Company owns and operates a 2 x 600 MW Coal based thermal power plant situated at villages Bandhaura, Khairahi, Karsualal and Nagwa in Singrauli District in Madhya Pradesh.

The Environmental Clearance for the project with capacity 4x500 MW was accorded on 20.04.2007 and the same was amended for change in capacity & unit size (3x600 MW) on 10.02.2009. Further, an amendment to the EC for change in source of coal from domestic to import and road transportation of coal for period of exceeding three years was accorded on 23.08.2013. An amendment in EC on 08.04.2016.

Essar Power (MP) Limited (EPMPL) was admitted into the Corporate Insolvency Resolution Process (CIRP) vide the order dated 29th September 2020 passed by Hon'ble NCLT Principal Bench New Delhi (NCLT) and Mr. Ashish Chhawchharia was appointed as Resolution Professional. Further vide its order dated 01st November 2021, the Hon'ble NCLT pronounced approval of the Resolution Plan submitted by Adani Power Limited (APL), thereby concluding the CIRP of the Company.

APL has implemented the Approved Resolution Plan and acquired 100% of paid-up share capital and management control of EPMPL on **16.03.2022**. "Mahan Energen Limited" is wholly owned subsidiary of Adani Power Limited and incorporated under Companies (Incorporation) Rules, 2014 date 25.03.2022.

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COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE 1200 (2×600) MW Coal Based Essar Power MP Limited

Vide letter No. J-13011/56/2006-IA.II (T) dated 20.04.2007 and its subsequent amendment dated 10.02.2009; 23.08.2013, 08.04.2016 and EC transferred from Essar Power to Mahan Energen Ltd. on 15.09.2022

A	Specific Condition	Status
(i)	The total land requirement shall not exceed 700 ha for all activities/ facilities of the power project put together.	Noted. All project activity/Facilities of the Power Project within 700 ha only.
(ii)	Forestry clearance for diversion of 70 ha forest land involved in the project shall be obtained before starting construction on the forest land.	Stage-1 FC has been obtained from MoEFCC vide letter no.6-MPC 043/2008-BHO/822 dated. 02.04.2009. No construction activities have been taken place in the forest land.
(iii)	R&R in sufficient detail shall be finalized before award of the project and a copy of the detailed R&R shall be submitted to MoEF within three months of the issue of this letter or before the award of the project whichever is earlier.	Complied. As previous, R&R Benefits are being provided as per Madhya Pradesh R&R policy 2002 and in line with agreement executed on 18.10.2008 between Collector, Singrauli and EPMPL. Copy of the agreement with MP Govt. has been forwarded to MoEFCC vide our letter no. EPMPL/ MoEF/ 07.07.2010. Adani Power Limited has implemented the Approved Resolution Plan and acquired 100% of paid-up share capital and management control of EPMPL on 16.03.2022. "Mahan Energen Limited" is wholly owned subsidiary of Adani Power Limited and incorporated under Companies (Incorporation) Rules, 2014 date 25.03.2022. CIN Certificate is enclosed as Annexure -I .
(iv)	The PAFs/ PAPs losing their homesteads, or a major portion of the land shall not be ousted from the land till they are settled at the alternate sites.	Complied
(v)	Ash and sulphur content in the coal to be used in the project shall not exceed 35% and 0.5% respectively.	Being Complied. Ash and Sulphur content in the coal is being maintained below 35% & 0.5% respectively. MEL Power Plant is based on Pit head TPP and all parameters are being achieved as per notification
(vi)	Two bi-flue stacks of 275m height each shall be provided with continuous online	Complied. One bi-flue stack of 275 M height has been installed. Also, CEMS (Continuous emission

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	monitoring equipment. Exit velocity of at least 25m/sec shall be maintained	monitoring system) has been provided for continuous online monitoring. Exit velocity is maintained > 25m/s. Stack Emission Monitoring Report is enclosed as Annexure-3
(vii)	High efficiency electrostatic precipitators (ESPs) with efficiency not less than 99.9% shall be installed to ensure that particulate emission does not exceed 100 mg/Nm ³ .	Complied ESP (9 Fields) with efficiency of 99.9% installed in both the units to meet permissible norm for particulate emissions less than 50 mg/Nm ³ . Stack Emission Monitoring Report has been provided as Annexure – 3
(viii)	Space provision shall be made for Flue Gas De-sulphurisation (FGD) unit, if required at a later stage.	Noted Space for FGD has been provided in the adjacent to chimney As per MoEFCC Notification dated 5th Sep 2022, Mahan TPP is falling under Category "C" Non- retiring TPPs and the timelines for compliance of SO ₂ emission is up to December'2026
(ix)	Low NOx burners shall be provided.	Complied Low NOx burners have already been provided in each boiler.
(x)	Adequate dust extraction system such as bag filters and water spray system in dusty areas such as coal and ash handling areas, transfer areas and other vulnerable areas shall be provided.	Complied. Dust extraction systems over fly ash silo, coal bunkers and conveyor junction points have been installed. Dry fog diffusion systems have already been provided in coal crusher house and conveyor transfer points. Water sprinkling system has been provided in coal yard area.
(xi)	Fly ash shall be collected in dry form and ash generated shall be used in a phased manner as per provisions of the notification on Fly Ash Utilization issued by the Ministry in September, 1999 and its amendments. By the end of 9th year full fly ash utilization should be ensured. Unutilized ash shall be disposed of in the ash pond in the form of High Concentration Slurry.	Being complied. MoUs / Agreements have been signed with cement Industries as M/s Prism Cement and M/s Ultra Tech Cement to lift the fly ash generated from the power plant. We have also signed a MOU with "Ashtech (India) Private Ltd." for lifting the entire fly ash generated from the Power Plant.
(xii)	Ash pond shall be lined with HDPE geo-synthetic membrane to avoid leaching. Adequate safety measures shall be implanted to protect the ash pond bund from getting breached.	Complied HDPE lining has been provided in the ash pond. The ash pond operates with HCS system. Adequate safety measures such as proper bund slope, toe drain around the

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		dyke, etc., have been taken to protect the bund.
(xiii)	A conservation plan for Schedule-1 animals reported in the study area of the project shall be prepared in consultation with an expert organization like Wildlife Institute of India at Dehradun and duly approved by State Wildlife Department of Madhya Pradesh. A copy of the same shall be submitted to the ministry and Regional Office at Bhopal within six months of the date of issue of this letter. The plan so prepared shall be implemented effectively. Necessary allocation of funds for the same shall be made and will be included as project cost.	Complied There is no wildlife sanctuary within 15km of the plant
(xiv)	Rain water harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority/ State Ground Water Board and a copy of the same shall be submitted within 3 months to the Ministry.	Rainwater harvesting facilities have been implemented.
(xv)	The treated effluents conforming to the prescribed standards only shall be discharged in the Bhalea nallah.	Being complied. Effluent is being treated suitably and analysis results are well within the stipulated PPCB/CPCB standard by the process of neutralizing and treated water being used for gardening. We are maintaining zero discharge of treated effluent. Effluent analysis results are provided as Annexure - 4.
(xvi)	Regular monitoring of ground water in and around the ash pond area shall be carried out, records maintained and periodic reports shall be furnished to the Regional Office of the Ministry.	Being complied Regular monitoring of ground water is being carried out in and around the ash pond area. Record is maintained and enclosed as Annexure - 5.
(xvii)	A 100 m wide green belt shall be developed all around the plant area and 20 m wide green belt shall be developed all around the ash pond and township covering a total area of 100 ha.	Green belt / plantation being developed. We are also carrying out additional plantation around plant area which is under progress. Greenbelt report is enclosed as Annexure - 6
(xviii)	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Implemented during project phase. Adani Power Limited has implemented the Approved Resolution Plan and acquired 100% of paid-up share capital and management control of EPMP on 16.03.2022. "Mahan Energen Limited" is

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		wholly owned subsidiary of Adani Power Limited and incorporated under Companies (Incorporation) Rules, 2014 dated 25.03.2022.
(xix)	Leq of Noise Level should be limited to 75 dBA and regular maintenance of equipment to be undertaken. For people working in high noise areas, personal protection devices should be provided.	Being complied. Leq of noise level at project boundary is being monitored and observed less than 75 dB(A). People working in high noise area are provided with PPEs like ear- muff and ear plug. Monitoring report is enclosed as Annexure-7
(xx)	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. 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.	Online CAAQ monitoring system for Ambient air quality is already established. Ambient Air Quality Monitoring is also being carried out by third party consultant. Monitoring reports is enclosed as Annexure-02. Records of the same are being maintained and report is being sent to the Regional Office of the MoEFCC, CPCB & MPPCB. Online ambient air quality system also connected with MPPCB & CPCB portal
(xxi)	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, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/ Committee and may also be seen at website of the Ministry of Environment and Forests at http://www.envfor.nic.in .	Complied.
(xxii)	A separate environment monitoring cell (EMC) with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	Being Complied. We have established separate environmental monitoring cell with well qualified staff to carry out regular surveillance for implementation of stipulated environmental safeguards
(xxiii)	A half yearly report on the status of implantation of the stipulated conditions and environmental safeguards should be submitted to this Ministry, its Regional Office at Bhopal, CPCB and SPCB	Six monthly compliance reports are being submitted regularly. Last compliance report submitted vide letter no APL/EPMPL/EMD/EC/MoEFCC/220/05/22 dated 28.05.2022.
(xxiv)	Regional Office of the Ministry of Environment & Forests located at Bhopal will	Complied.

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	monitor the implementation of the stipulated conditions. A complete set of documents including Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.	All necessary information forwarded to the MoEFCC Regional Office, Bhopal.
(xxv)	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. This cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Complied. Separate Budget has been allocated for the Environmental Protection Measures.
(xxvi)	Full cooperation should be extended to the scientists/ officers from the Ministry/ Regional Office of the Ministry at Bhopal/ the CPCB/ the SPCB who would be monitoring the compliance of environmental status.	Full co-operation & support is being extended to all the Govt visiting officials always
EC Amendment vide letter no. J-13011/56/2006 -IA. II (T) dated: 23.08.2013		
(xxvii)	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance issued vide this Ministry's letter of even no. dated 20.04.2007. in its website and updated periodically and also simultaneously send the same by e-mail to the Regional Office of the Ministry of Environment and Forests.	Being Complied. EC compliance report of Mahan Energen Limited is being uploaded on Adani Power website and soft copy is being sent to Regional Office of MoEFCC, CPCB and MPPCB.
(xxviii)	Criteria pollutants levels including NOx, RSPM (PM-10 & PM-2.5) SO2, NOx (from stack & ambient air) shall be regularly monitored and results displayed in your website and also at the main gate of the power plant	Being Complied. Criteria pollutants levels including NOx, RSPM (PM-10 & PM-2.5) SO2, NOx (from stack & ambient air) being regularly monitored, and results are displayed at the main gate of the Power Plant & same being submitted to concern authorities. Monthly Env. Monitoring are being done by third party also and it's report being sent to pollution control board on quarterly basis. Environmental monitoring report is enclosed as Annexure-02.
(xxix)	Avenue plantation along the route (both sides of the road) of imported coal	Domestic Coal is being using for the operation of Power Plant. Currently

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	transportation from railway siding at Mahadiya /Singrauli Railway Siding to Rajmilan-Bandhoura- Power Plant site, over a distance of 63 kms shall be raised by the project proponent at its own cost. The status of implementation shall be submitted to the Regional Office of the Ministry.	transportation of the coal is not being done through Mahadiya Coal siding. Coal is procured mostly through Forward e-auction from the nearby Coal mines of SECL/NCL.
(xxx)	It shall be ensured that only mechanized covered trucks are used for imported coal transportation.	The transportation by road is done through mechanically covered trucks to the extent possible, else through tarpaulin covered trucks so as to prevent coal dust dispersion in the atmosphere.
(xxxii)	A long term study of radioactivity and heavy metals contents on coal to be used shall be carried out through a reputed institute once the power plant becomes operational. Thereafter mechanism for all 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 Domestic coal is being used for Mahan TPP. Periodical coal and ash analysis are being carried out and reports are being submitted.
(xxxiii)	The recommendation of the Central Electricity Authority issued vide it's letter no. 159/100ITP&I/CEA/2011, dated 01.02.2013, on the feasibility of transportation of coal from Mahadiya Railway Siding to Mahan TPP site shall be implemented	Currently transportation of the coal is not being done through Mahadiya Railway siding. Coal is procured mostly through e-auction from the nearby coal mines of Northern coal Field and APMDCL-Suliyari Coal mine.
(xxxiiii)	The project proponent shall maintain a log book of imported coal and Bill of Imports for coal to establish that the coal used for the power project are additional coal coming to the country. These documents shall be submitted to the Regional Office of the Ministry from time to time.	We are not using imported Coal for Power plant operation. We are mostly procuring the Coal through Forward e-auction from the nearby coal mines as NCL & SECL.
EC Amendment vide letter no. J-13011/56/2006 -IA.II (T) dated 08.04.2016		
(xxxv)	The Sulphur and ash contents of domestic coal shall not exceed 0.5% and 35 % respectively. The coal shall be sourced through e-auction only in case of emergency and non-viability of imported coal. In case of variation of quality at any point of time, fresh reference shall be made to the Ministry for suitable amendments to the environmental clearance. However, for the imported coal, the ash and sulphur contents will be as specified in the earlier order.	Mahan Energen Limited currently procuring coal through domestic sources only. Ash and Sulphur and ash content in the coal is being maintained below 35% & 0.5% respectively and also being complied as per notification of Pit head based TPP. .

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(xxxv)	The road transportation shall be restricted to the route as approved earlier vide amendment dated 23.08.2013.	Being followed Road transportation is being done as per the approved route only and with mechanically covered truck only.
(xxxvi)	The transportation by road shall be through mechanically covered trucks to the extent feasible, else through tarpaulin covered trucks so as to prevent coal dust dispersion in the atmosphere.	Being followed. Transporting of the coal is being done through trucks covered with tarpaulin with proper sealing arrangement as per the MoEFCC and local authority direction.
(xxxvii)	Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.	Being Complied. Solar power panels have been installed in Township.
(xxxvii i)	Monitoring of surface water quantity and 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 also be undertaken and results/findings submitted along with half yearly monitoring report.	Complied. Regular monitoring of surface water quality is being carried out on monthly basis. Record are maintained & also report are sent to the Regional Office of the Ministry, CPCB & MPPCB on regular basis. Analysis Report of Surface Water Quality is enclosed as Annexure-09 .
(xxxix)	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	Complied There is no disturbance caused to any water body including natural drainage system in the area due to operation of the plant
(xi)	CSR schemes identified based on need-based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programs.	CSR activities / programs are totally based on the need of the community having special focus on livelihood generation, health and education. Separate budget is allocated for CSR programs. For livelihood restoration of displaced people monthly sustenance allowance (Bhatta) is being given to PAPs. Local youths are also engaged under different contractors working inside the plant to provide them relevant training, exposure & livelihood. CSR progress report is enclosed as Annexure-10
(xli)	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external	Being complied & compliance assured on regular basis.

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	agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	
(xlii)	An Environmental Cell comprising of at least one expert in environmental science/ engineering, ecology, occupational health and social science, shall be created preferably 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 Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Complied. We have established separate environmental monitoring cell with well qualified staff to carry out regular surveillance for implementation of stipulated environmental safeguards.
EC Transferred from Essar to Mahan Energen Limited on dated 15th September 2022		
1.	2X600 MW Mahan Super Thermal Power Project at Tehsil Mada, District- Singrauli (Madhya Pradesh)- Transfer of environmental clearance from M/s Essar Power (M.P.) Ltd. to M/s Mahan Energen Limited-reg This has reference to your online proposal no. IA/MP/THE/269676/2022 dated 26 th April 2022 regarding transfer of the Environmental clearance (EC) for the above said project from M/s Essar Power (M.P.) Ltd to M/s Mahan Energen Limited.	Noted
2.	The ministry had earlier issued EC for 4x200 MW Mahan super thermal power project at tehsil Mada, District- Singrauli (Madhya Pradesh) in favour of M/s Essar Power (M.P.) Limited vide letter dated 20 th April 2007, the said EC was further amended vide letter 10 th Feb 2009, 23 rd August'2013 and 18 th April'2016 for reducing the power generation capacity to 3 x 600 MW, changing the fuel source and extending the validity of EC.	Noted.
3.	As per details submitted by the PP the M/s Essar Power (M.P.) Limited (earlier owner) could achieve the capacity of 2 x 600 = 1200 MW only within the validity period of EC i.e.,19.04.2017 against the EC generated (reduced the capacity 3x 600 MW) by the Ministry to the aforesaid plant. Accordingly, CTO was obtained from SPCB vide letter	Noted

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	dated 30.08.2016 from commissioned capacity i.e. 2 x 600 MW.	
4.	M/s Mahan Energen Limited has informed that the unit of M/s Essar power M P Limited was admitted into the corporate Insolvency Resolution process (CIRP) vide order dated 29.09.2020 passed by National Company Law Tribunal New Delhi and M/s Adani Power Ltd has acquired 100% paid share capital and Management control of M/s Essar power (M.P.) Ltd, and thus necessitating transfer of al requisite approvals in the name of M/s Mahan Energen Limited.	Noted & agreed
5.	M/s Mahan Energen Limited has submitted and affidavit to abide by the terms and conditions stipulated in the environmental clearance 20 th April 2007 and its subsequent amendments dated 10 th February 2009, 23 rd August 2013 and 08 th April, 2016 issued in the name of M/s Mahan Energen Limited.	Noted and being complied Environment clearance 20 th April 2007 and its subsequent amendments dated 10 th February 2009, 23 rd August 2013 and 08 th April, 2016.
6.	As per the relevant provision of the EIA Notification 2006, the environmental clearance granted by the ministry vide letter No. J-13011/56/2006-IA-II(T) dated 20 th April 2007 and its subsequent amendments dated 10 th February, 2009, 23 rd August, 2013 and 8 th April, 2016 to the project 4 x200 MW (3X600 MW reduced capacity) MW Mahan Super Thermal Power Project at Tehsil- Mada, Village- Bandhaura, Nagwa, Karsualal and Khairahi, District- Singrauli, Madhya Pradesh is hereby transferred from M/s Essar power (M.P) Limited to M/s Mahan Energen Limited, with the condition that the aforesaid power plant will be operated on the power generation capacity 2 x600 MW Further expansion shall be taken up only after prior Environmental Clearance under the vision of the EIA Notification, 2006, as amended. The other terms and condition as mentioned in the initial Environmental Clearance and its further amendments shall remaining unchanged.	Noted & agreed
7.	This issued with approval of the competent authority.	Noted.



सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies
4th Floor, IFCI Tower 61, New Delhi, Delhi, India, 110019

Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): U40100DL2005PLC201961

I hereby certify that the name of the company has been changed from ESSAR POWER M P LIMITED to MAHAN ENERGEN LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name Essar Power M.P. Limited.

Given under my hand at New Delhi this Twenty fifth day of March two thousand twenty-two.



MANGAL RAM MEENA

Registrar of Companies

RoC - Delhi

Mailing Address as per record available in Registrar of Companies office:

MAHAN ENERGEN LIMITED

Lower Ground Floor, Hotel Conclave Boutique,, A-20, Kailash Colony,, New Delhi, New Delhi, Delhi,
India, 110048



National Ambient Air Quality Results (Apr-2022 to Sep-2022)

Location		Admin				Gate No. 2				Gate No. 3			
Month	Date	PM-10	PM-2.5	SO2	Nox	PM-10	PM-2.5	SO2	Nox	PM-10	PM-2.5	SO2	Nox
		Unit-µg/Nm3				Unit-µg/Nm3				Unit-µg/Nm3			
Apr-22	04.04.2022	54.2	25.1	23.6	26.1	56.8	25.6	23.5	27.5	55.2	24.8	21.3	26.7
	08.04.2022	56	26.8	27.2	24.6	58.3	27.1	25.1	28.6	57.2	25.6	22.5	25.1
	11.04.2022	58.6	27.6	26.3	28.6	60.7	28.6	24.6	27.2	60.7	27.1	25.1	28.6
	15.04.2022	57.1	27.2	24.1	28.6	59.2	27.2	22.1	29.2	60.8	26.1	24.6	29.2
	18.04.2022	56.8	28.1	22.8	25.1	57.8	23.8	24.6	27.1	58.3	26.8	26.1	27.3
	22.04.2022	56.9	26.1	23.7	26.2	60	27.2	20.5	28.4	56.1	25.9	24.6	26.1
	25.04.2022	56.6	26.2	26.1	27.6	61.1	29.1	23.9	27.3	56.7	28.6	25.6	27.6
	29.04.2022	55.1	27.3	26.8	28.2	58.2	28	24.3	36.9	58.9	27.9	24.1	28.9
	Avg. Value	56.41	26.80	25.08	26.88	59.01	27.08	23.58	29.03	57.99	26.60	24.24	27.44
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80
May-22	02.05.2022	55.6	22.2	22.1	24.6	57.2	27.6	24.6	28.9	56.8	25.1	25.6	27.1
	06.05.2022	57.2	25.1	24.6	27.3	59.1	28.0	27.9	29.9	55.9	26.2	25.1	28.3
	09.05.2022	56.1	28.2	27.6	25.9	62.3	31.2	25.1	30.2	58.1	29.3	27.6	29.1
	13.05.2022	53.8	24.6	26.8	29.1	60.8	30.1	26.0	31.3	60.2	29.9	26.7	30.6
	16.05.2022	55.1	26.4	23.6	28.6	62.1	33.7	23.1	29.6	62.3	31.2	27.6	29.2
	20.05.2022	57.2	25.9	25.1	27.8	63.1	33.1	24.7	27.9	59.6	27.2	26.1	31.6
	23.05.2022	53.7	25.6	24.6	28.9	58.6	28.6	26.9	29.1	58.1	28.6	28.1	29.2
	27.05.2022	56.9	26.1	25.8	26.6	59.9	30.7	25.6	28.2	59.2	28.9	26.9	33.1
	Avg. Value	55.70	25.51	25.03	27.35	60.39	30.38	25.49	29.39	58.78	28.30	26.71	29.78
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80
Jun-22	02.06.2022	51.5	24.8	17.6	20.7	50.8	25.0	22.6	29.2	54.6	24.9	22.6	25.8
	06.06.2022	58.6	24.6	22.0	25.1	55.8	23.7	24.6	25.1	57.2	25.1	21.1	26.7
	10.06.2022	55.3	24.8	20.4	23.1	57.8	28.3	22.1	28.6	55.6	24.9	20.7	22.8
	13.06.2022	54.8	22.9	22.3	24.6	58.3	27.9	24.6	27.1	55.2	27.2	25.8	30.1
	17.06.200	53.8	22.9	21.6	25.9	56.8	27.6	20.7	28.1	57.2	26.8	24.1	27.6
	20.06.2022	56.4	23.1	18.6	25.3	55.6	27.1	20.9	26.2	55.1	25.9	23.8	28.1
	24.06.2022	54.9	24.3	20.6	23.7	53.7	25.9	24.6	28.1	56.8	24.1	22.0	26.9
	27.06.2022	53.3	24.9	21.1	23.5	57.2	22.6	21.9	25.7	56.0	26.2	21.3	24.7
	Avg. Value	54.83	24.04	20.53	23.99	55.75	26.01	22.75	27.26	55.96	25.64	22.68	26.59
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80
Jul-22	05.07.2022	53.7	25.8	14.1	18.8	59.8	25.0	13.8	17.7	55.9	26.2	13.5	22.9
	08.07.2022	55.5	25.0	14.0	18.3	58.5	26.7	15.5	19.6	56.5	25.4	13.8	20.4
	11.07.2022	54.8	24.2	12.5	17.7	59.2	27.5	13.2	18.3	55.0	24.2	14.0	19.4
	14.07.2022	56.3	26.2	12.6	18.6	57.9	25.8	14.2	17.8	57.3	26.2	14.5	17.1
	18.07.2022	53.8	24.6	12.8	16.8	60.6	27.1	13.1	19.9	54.5	25.4	16.1	19.9
	21.07.2022	55.7	25.8	13.6	17.1	57.0	26.2	13.2	17.4	55.0	25.8	15.1	19.2
	25.07.2022	54.2	24.2	14.0	18.3	59.7	24.6	14.4	18.9	57.3	24.6	14.0	18
	28.07.2022	53.5	23.7	14.0	17.6	56.3	27.5	13.4	18.6	55.6	26.7	13.0	19.6
	Avg. Value	54.69	24.94	13.45	17.90	58.63	26.30	13.85	18.53	55.89	25.56	14.25	19.56
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80

Aug-22	01.08.2022	56.0	26.7	14.6	22.0	65.3	31.2	18.1	23.6	57.2	29.6	14.6	23.3
	04.08.2022	59.6	27.9	15.4	18.9	63.4	32.1	17.7	22.0	60.8	31.2	15.7	19.8
	08.08.2022	55.0	23.7	15.0	19.5	63.9	31.7	19.1	24.2	60.0	28.7	16.1	20.0
	11.08.2022	56.5	25.4	16.4	21.0	65.8	33.3	18.6	23.2	62.4	30.8	16.4	21.7
	15.08.2022	58.7	26.7	14.4	19.5	64.0	35.8	17.8	22.9	59.6	32.5	14.7	21.0
	18.08.2022	55.7	28.3	154.9	22.5	64.9	32.5	18.2	24.2	58.7	28.3	15.8	19.0
	22.08.2022	57.1	24.6	16.5	19.8	63.4	34.6	18.6	23.7	61.5	30.4	17.3	21.5
	25.08.2022	56.2	27.9	14.6	21.4	65.1	33.7	17.1	23.9	61.6	33.3	16.4	19.2
	29.08.2022	56.8	26.7	16.2	20.0	64.3	35.8	19.9	24.9	61.6	32.9	15.5	20.3
	Avg. Value	56.84	26.43	30.89	20.51	64.46	33.41	18.34	23.62	60.38	30.86	15.83	20.64
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80
Sep-22	01.09.2022	62.83	32.91	17.59	22.51	61.40	31.20	16.90	20.60	63.40	30.90	18.40	25.69
	05.09.2022	60.69	30.41	16.47	21.69	63.60	29.40	19.60	23.70	65.20	33.60	22.10	28.29
	08.09.2022	58.66	29.58	18.34	20.31	59.80	30.83	15.90	21.90	59.80	29.80	24.60	29.60
	12.09.2022	63.47	31.66	19.34	22.45	64.50	32.40	20.40	22.40	61.30	31.20	23.90	28.90
	15.09.2022	65.28	33.33	16.20	23.33	62.50	31.60	22.60	25.10	62.90	32.40	20.70	24.50
	19.09.2022	59.75	31.24	17.04	22.51	65.90	30.83	21.80	26.40	64.20	34.60	21.50	23.90
	22.09.2022	63.84	30.83	19.81	23.91	60.50	31.20	23.60	26.90	66.50	36.50	20.90	25.40
	26.09.2022	61.83	31.66	20.06	25.26	63.20	32.40	20.90	23.50	63.90	32.90	21.70	26.70
	29.09.2022	60.89	28.33	21.13	24.16	62.50	31.80	19.50	22.10	64.80	33.10	27.40	30.40
	Avg. Value	61.92	31.10	18.44	22.90	62.66	31.29	20.13	23.62	63.56	32.78	22.36	27.04
	Permissible Limit	100	60	80	80	100	60	80	80	100	60	80	80

Ambient Air Quality Monitoring Station at Mahan Energen Limited



Ambient Air Quality Monitoring Station at Mahan Energen Limited



Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000057P	Dispatch No: 0010
Test Report No	AETRL/030522AA0004
Date of Report Issue	04/05/2022
Sample Receiving Date	05/04/2022 to 30/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsual Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Near Admin
Date of Monitoring	04/04/2022 To 30/04/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	04/04/2022 To 03/05/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

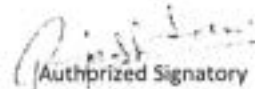
Parameter	Date of Monitoring							
	04-04-22	08-04-22	11-04-22	15-04-22	18-04-22	22-04-22	25-04-22	29-04-22
PM ₁₀ (µg/m ³)	54.2	56.0	58.6	57.1	56.8	56.9	56.6	55.1
PM _{2.5} (µg/m ³)	25.1	26.8	27.6	27.2	28.1	26.1	26.2	27.3
NO ₂ (µg/m ³)	26.1	24.6	28.6	28.6	25.1	26.2	27.6	28.2
SO ₂ (µg/m ³)	23.6	27.2	26.3	24.1	22.8	23.7	26.1	26.8
CO [*] (µg/m ³)	523	582	550	569	578	560	580	563

Parameters	Variation in AAQ Near Admin		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	54.2	58.6	56.41±0.47	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	25.1	28.1	26.80±0.34	60 µg/m ³	Gravimetric
SO ₂ (µg/m ³)	24.6	28.6	26.88±0.56	80 µg/m ³	West and Gaeke
NO ₂ (µg/m ³)	22.8	27.2	25.08±0.60	80 µg/m ³	Jacob & Hochheiser Modified
CO [*] (µg/m ³)	523	582	563.13±6.92	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000054P	Dispatch No: 0010
Test Report No	AETRL/030522AA0001
Date of Report Issue	04/05/2022
Sample Receiving Date	05/04/2022 to 30/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 1
Date of Monitoring	04/04/2022 To 30/04/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	04/04/2022 To 03/05/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

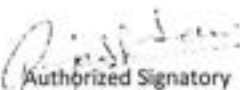
Parameter	Date of Monitoring							
	04-04-22	08-04-22	11-04-22	15-04-22	18-04-22	22-04-22	25-04-22	29-04-22
PM ₁₀ (µg/m ³)	59.8	56.1	62.3	62.9	60.4	59.1	61.9	63.1
PM _{2.5} (µg/m ³)	26.1	24.8	32.6	31.8	28.3	29.0	32.9	31.7
NO ₂ (µg/m ³)	31.5	33.0	27.8	28.9	31.8	29.6	27.1	31.1
SO ₂ (µg/m ³)	23.1	25.1	22.9	25.1	28.6	26.2	24.8	27.9
CO [*] (µg/m ³)	610	589	612	630	596	590	588	590

Parameters	Variation in AAQ Gate No 1		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	56.1	63.1	60.70±0.84	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	24.8	32.9	29.65±1.09	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	27.1	33	30.10±0.73	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	22.9	28.6	25.46±0.72	80 µg/m ³	Jacob & Hochheiser Modified
CO [*] (µg/m ³)	588	630	600.63±5.38	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000055P	Dispatch No: 0010
Test Report No	AETRL/030522AA0002
Date of Report Issue	04/05/2022
Sample Receiving Date	05/04/2022 to 30/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 2
Date of Monitoring	04/04/2022 To 30/04/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	04/04/2022 To 03/05/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

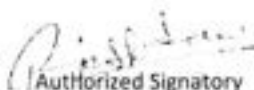
Parameter	Date of Monitoring							
	04-04-22	08-04-22	11-04-22	15-04-22	18-04-22	22-04-22	25-04-22	29-04-22
PM ₁₀ (µg/m ³)	56.8	58.3	60.7	59.2	57.8	60.0	61.1	58.2
PM _{2.5} (µg/m ³)	25.6	27.1	28.6	27.2	23.8	27.2	29.1	28.0
NO ₂ (µg/m ³)	27.5	28.6	27.2	29.2	27.1	28.4	27.3	26.9
SO ₂ (µg/m ³)	23.5	25.1	24.6	22.1	24.6	20.5	23.9	24.3
CO* (µg/m ³)	602	611	632	595	640	536	552	570

Parameters	Variation in AAQ Gate No 2		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	56.8	61.1	59.01±0.53	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	23.8	29.1	27.08±0.60	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	26.9	29.2	27.78±0.30	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	20.5	25.1	23.58±0.55	80 µg/m ³	Jacob & Hochheiser Modified
CO* (µg/m ³)	536	640	592.25±13.08	2000 µg/m ³ (8 hr)	NDIRS method

END OF REPORT


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000056P	Dispatch No: 0010
Test Report No	AETRL/030522AA0003
Date of Report Issue	04/05/2022
Sample Receiving Date	05/04/2022 to 30/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 3
Date of Monitoring	04/04/2022 To 30/04/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	04/04/2022 To 03/05/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

Parameter	Date of Monitoring							
	04-04-22	08-04-22	11-04-22	15-04-22	18-04-22	22-04-22	25-04-22	29-04-22
PM ₁₀ (µg/m ³)	55.2	57.2	60.7	62.8	58.3	56.1	56.7	58.9
PM _{2.5} (µg/m ³)	24.8	25.6	27.1	26.1	26.8	25.9	28.6	27.9
NO ₂ (µg/m ³)	26.7	25.1	28.6	29.2	27.3	26.1	27.6	28.9
SO ₂ (µg/m ³)	21.3	22.5	25.1	24.6	26.1	24.6	25.6	24.1
CO ⁺ (µg/m ³)	589	612	582	570	596	568	598	603

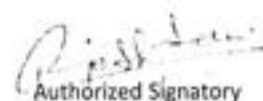
Parameters	Variation in AAQ Gate No 3		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	55.2	62.8	58.24±0.89	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	24.8	28.6	26.60±0.44	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	25.1	29.2	27.44±0.51	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	21.3	26.1	24.24±0.57	80 µg/m ³	Jacob & Hochheiser Modified
CO ⁺ (µg/m ³)	568	612	589.75±5.51	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory

Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC740522000000226P	Dispatch No: 028
Test Report No	AETRL/020622AA0004
Date of Report Issue	07/06/2022
Sample Receiving Date	02/05/2022 to 28/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Near Admin
Date of Monitoring	02/05/2022 To 28/05/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/05/2022 To 06/06/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

Parameter	Date of Monitoring							
	02-05-22	06-05-22	09-05-22	13-05-22	16-05-22	20-05-22	23-05-22	27-05-22
PM ₁₀ (µg/m ³)	55.6	57.2	56.1	53.8	55.1	57.2	53.7	56.9
PM _{2.5} (µg/m ³)	22.2	25.1	28.2	24.6	26.4	25.9	25.6	26.1
NO ₂ (µg/m ³)	24.6	27.3	25.9	29.1	28.6	27.8	28.9	26.6
SO ₂ (µg/m ³)	22.1	24.6	27.6	26.8	23.6	25.1	24.6	25.8
CO [*] (µg/m ³)	556	547	563	579	582	596	579	563

Parameters	Variation in AAQ Near Admin		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	53.7	57.2	55.70±0.50	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	22.2	28.2	25.51±0.60	60 µg/m ³	Gravimetric
SO ₂ (µg/m ³)	24.6	29.1	27.35±0.56	80 µg/m ³	West and Gaeke
NO ₂ (µg/m ³)	22.1	27.6	25.03±0.62	80 µg/m ³	Jacob & Hochheiser Modified
CO [*] (µg/m ³)	547	596	570.63±5.67	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC740522000000223P	Dispatch No: 028
Test Report No	AETRL/020622AA0001
Date of Report Issue	07/06/2022
Sample Receiving Date	02/05/2022 to 28/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 1
Date of Monitoring	02/05/2022 To 28/05/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/05/2022 To 06/06/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

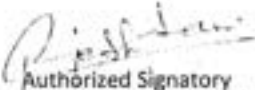
Parameter	Date of Monitoring							
	02-05-22	06-05-22	09-05-22	13-05-22	16-05-22	20-05-22	23-05-22	27-05-22
PM ₁₀ (µg/m ³)	61.2	58.3	60.7	60.9	63.2	62.6	58.2	57.6
PM _{2.5} (µg/m ³)	29.2	26.1	33.1	32.2	33.8	30.2	31.3	32.9
NO ₂ (µg/m ³)	32.1	30.5	35.0	29.2	33.1	27.2	29.9	31.3
SO ₂ (µg/m ³)	24.6	22.8	24.2	26.8	27.61	25.6	27.1	28.0
CO* (µg/m ³)	589	572	634	612	618	637	608	611

Parameters	Variation in AAQ Gate No 1		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	57.6	63.2	60.34±0.74	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	26.1	33.8	31.10±0.90	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	27.2	35	31.04±0.85	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	22.8	28	25.84±0.65	80 µg/m ³	Jacob & Hochheiser Modified
CO* (µg/m ³)	572	637	610.13±7.63	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000224P	Dispatch No: 028
Test Report No	AETRL/020622AA0002
Date of Report Issue	07/06/2022
Sample Receiving Date	02/05/2022 to 28/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 2
Date of Monitoring	02/05/2022 To 28/05/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/05/2022 To 06/06/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

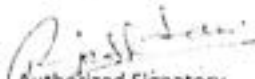
Parameter	Date of Monitoring							
	02-05-22	06-05-22	09-05-22	13-05-22	16-05-22	20-05-22	23-05-22	27-05-22
PM ₁₀ (µg/m ³)	57.2	59.1	62.3	60.8	62.1	63.1	58.6	59.9
PM _{2.5} (µg/m ³)	27.6	28.0	31.2	30.1	33.7	33.1	28.6	30.7
NO ₂ (µg/m ³)	28.9	29.9	30.2	31.3	29.6	27.9	29.1	28.2
SO ₂ (µg/m ³)	24.6	27.9	25.1	26.0	23.1	24.7	26.9	25.6
CO ⁺ (µg/m ³)	589	636	604	613	617	623	612	619

Parameters	Variation in AAQ Gate No 2		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	57.2	63.1	60.39±0.72	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	27.6	33.7	30.38±0.80	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	27.9	31.3	29.39±0.39	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	23.1	27.9	25.49±0.52	80 µg/m ³	Jacob & Hochheiser Modified
CO ⁺ (µg/m ³)	589	636	614.13±4.87	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000225P	Dispatch No: 028
Test Report No	AETRL/020622AA0003
Date of Report Issue	07/06/2022
Sample Receiving Date	02/05/2022 to 28/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 3
Date of Monitoring	02/05/2022 To 28/05/2022
Climatic Condition	Clear Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/05/2022 To 06/06/2022

Weekly Analysis Report of Ambient Air Quality Monitoring


Parameter	Date of Monitoring							
	02-05-22	06-05-22	09-05-22	13-05-22	16-05-22	20-05-22	23-05-22	27-05-22
PM ₁₀ (µg/m ³)	56.8	55.9	58.1	60.2	62.7	59.6	58.1	59.2
PM _{2.5} (µg/m ³)	25.1	26.2	29.3	29.9	31.2	27.2	28.6	28.9
NO ₂ (µg/m ³)	27.1	28.3	29.1	30.6	29.2	31.6	29.2	33.1
SO ₂ (µg/m ³)	25.6	25.1	27.6	26.7	27.6	26.1	28.1	26.9
CO* (µg/m ³)	617	602	642	623	613	596	611	630

Parameters	Variation in AAQ Gate No 3		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	55.9	62.7	58.83±0.71	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	25.1	31.2	28.30±0.52	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	27.1	33.1	29.78±0.68	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	25.1	28.1	26.71±0.37	80 µg/m ³	Jacob & Hochheiser Modified
CO* (µg/m ³)	596	642	616.75±5.26	2000 µg/m ³ (8 hr)	NDIRS method

END OF REPORT


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000514P	Dispatch No: 048
Test Report No	AETRL/010722AA0004
Date of Report Issue	05/07/2022
Sample Receiving Date	02/06/2022 to 28/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Near Admin
Date of Monitoring	02/06/2022 to 28/06/2022
Climatic Condition	Hazy Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/06/2022 To 04/07/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

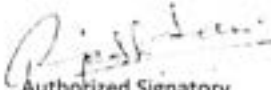
Parameter	Date of Monitoring							
	02-06-22	06-06-22	10-06-22	13-06-22	17-06-22	20-06-22	24-06-22	27-06-22
PM ₁₀ (µg/m ³)	51.5	58.6	55.3	54.8	53.8	56.4	54.9	53.3
PM _{2.5} (µg/m ³)	24.8	24.6	24.8	22.9	22.9	23.1	24.3	24.9
NO ₂ (µg/m ³)	20.7	25.1	23.1	24.6	25.9	25.3	23.7	23.5
SO ₂ (µg/m ³)	17.6	22.0	20.4	22.3	21.6	18.6	20.6	21.1
CO*(µg/m ³)	563	514	582	563	505	517	536	582

Parameters	Variation in AAQ Near Admin		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	51.5	58.6	54.83±0.75	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	22.9	24.9	24.04±0.32	60 µg/m ³	Gravimetric
SO ₂ (µg/m ³)	20.7	25.9	23.99±0.58	80 µg/m ³	West and Gaeke
NO ₂ (µg/m ³)	17.6	22.3	20.53±0.57	80 µg/m ³	Jacob & Hochheiser Modified
CO* (µg/m ³)	505	582	545.25±11.03	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC74052200000511P	Dispatch No: 048
Test Report No	AETRL/010722AA0001
Date of Report Issue	05/07/2022
Sample Receiving Date	02/06/2022 to 28/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 1
Date of Monitoring	02/06/2022 to 28/06/2022
Climatic Condition	Hazy Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/06/2022 To 04/07/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

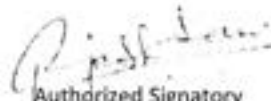
Parameter	Date of Monitoring							
	02-06-22	06-06-22	10-06-22	13-06-22	17-06-22	20-06-22	24-06-22	27-06-22
PM ₁₀ (µg/m ³)	58.4	55.3	57.6	54.5	60.6	55.9	56.9	58.1
PM _{2.5} (µg/m ³)	27.2	25.8	26.4	28.1	27.0	25.3	25.1	30.2
NO ₂ (µg/m ³)	30.8	31.4	28.6	31.0	29.6	30.8	28.7	29.7
SO ₂ (µg/m ³)	25.0	23.7	25.9	24.1	25.3	22.7	22.6	21.9
CO*(µg/m ³)	571	536	644	682	663	605	610	582

Parameters	Variation in AAQ Gate No 1		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₂₀ (µg/m ³)	54.5	60.6	57.16±0.69	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	25.1	30.2	26.89±0.59	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	28.6	31.4	30.08±0.38	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	21.9	25.9	23.90±0.51	80 µg/m ³	Jacob & Hochheiser Modified
CO* (µg/m ³)	536	682	611.63±17.4	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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Gwalior-474 011, M.P., India

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Test Certificate

ULR: TC740522000000512P	Dispatch No: 048
Test Report No	AETRL/010722AA0002
Date of Report Issue	05/07/2022
Sample Receiving Date	02/06/2022 to 28/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 2
Date of Monitoring	02/06/2022 to 28/06/2022
Climatic Condition	Hazy Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/06/2022 To 04/07/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

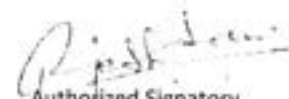
Parameter	Date of Monitoring							
	02-06-22	06-06-22	10-06-22	13-06-22	17-06-22	20-06-22	24-06-22	27-06-22
PM ₁₀ (µg/m ³)	50.8	55.8	57.8	58.3	56.8	55.6	53.7	57.2
PM _{2.5} (µg/m ³)	25.0	23.7	28.3	27.9	27.6	27.1	25.9	22.6
NO ₂ (µg/m ³)	29.2	25.1	28.6	27.3	28.1	26.2	28.1	25.7
SO ₂ (µg/m ³)	22.6	24.6	22.1	24.6	20.7	21.9	24.6	21.9
CO (µg/m ³)	545	528	618	589	593	602	588	596

Parameters	Variation in AAQ Gate No 2		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	50.8	58.3	55.75±0.87	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	22.6	28.3	26.01±0.74	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	25.1	29.2	27.29±0.52	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	20.7	24.6	22.88±0.54	80 µg/m ³	Jacob & Hochheiser Modified
CO (µg/m ³)	528	618	582.38±10.67	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rakesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

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Test Certificate

ULR: TC74052200000513P	Dispatch No: 048
Test Report No	AETRL/010722AA0003
Date of Report Issue	05/07/2022
Sample Receiving Date	02/06/2022 to 28/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandora Karsualal Tahsil Waidhan 486886 Madhya Pradesh

Sample Description	Ambient Air Quality Monitoring
Location	Gate No. 3
Date of Monitoring	02/06/2022 to 28/06/2022
Climatic Condition	Hazy Weather
Sampling Time	24 Hrs except (CO 8 hrs)
Date of Analysis	02/06/2022 To 04/07/2022

Weekly Analysis Report of Ambient Air Quality Monitoring

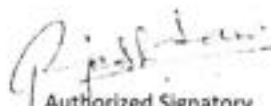
Parameter	Date of Monitoring							
	02-06-22	06-06-22	10-06-22	13-06-22	17-06-22	20-06-22	24-06-22	27-06-22
PM ₁₀ (µg/m ³)	54.6	57.2	55.6	55.2	57.2	55.1	56.8	56.0
PM _{2.5} (µg/m ³)	24.9	25.1	24.9	27.2	26.8	25.9	24.1	26.2
NO ₂ (µg/m ³)	25.8	26.7	22.8	30.1	27.6	28.1	26.9	24.7
SO ₂ (µg/m ³)	22.6	21.1	20.7	25.8	24.1	23.8	22.0	21.3
CO ⁺ (µg/m ³)	570	563	607	592	556	580	590	537

Parameters	Variation in AAQ Gate No 3		Mean ± SE	NAAQ Standards: 2009	Test Method
	Minimum	Maximum			
PM ₁₀ (µg/m ³)	54.6	57.2	55.96±0.36	100 µg/m ³	Gravimetric
PM _{2.5} (µg/m ³)	24.1	27.2	25.64±0.38	60 µg/m ³	Gravimetric
NO ₂ (µg/m ³)	22.8	30.1	26.59±0.78	80 µg/m ³	West and Gaeke
SO ₂ (µg/m ³)	20.7	25.8	22.68±0.62	80 µg/m ³	Jacob & Hochheiser Modified
CO ⁺ (µg/m ³)	537	607	574.38±7.92	2000 µg/m ³ (8 hr)	NDIRS method

*****END OF REPORT*****


Reviewed by
R. Rinesh K. Uchhariva
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

GO Green Mechanisms Pvt Ltd

Analysis Results For The Month of July 22

On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Admin Building

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)	O ₃	NH ₃	CO	Benzene	Benzo (a) Pyrene	Pb	Ni	As
Unit		µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³
Reference Method		IS 5182 part-23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4	IS 5182 part-9	GGMPL/SO P/AA/62	IS 5182 Part-10	IS 5182 Part-11	IS 5182 part-12	Method IO-3.4	Method IO-3.4	Method IO-3.4
Norms		100	60	80	80	NS	100	400	4	5	1	1	20	6
Date of Monitoring														
1	05.07.2022	53.7	25.8	14.1	18.8	BQL (QL=1)	16.2	13.8	0.41	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
2	06.07.2022	55.5	25.0	14.0	18.3	BQL (QL=1)	15.9	12.6	0.36	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
3	11.07.2022	54.8	24.2	12.5	17.7	BQL (QL=1)	12.7	13.8	0.39	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
4	14.07.2022	56.3	26.2	12.6	18.6	BQL (QL=1)	16.2	15.1	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
5	18.07.2022	53.8	24.6	12.8	16.8	BQL (QL=1)	19.1	12.6	0.37	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
6	21.07.2022	55.7	25.8	13.6	17.1	BQL (QL=1)	15.9	13.8	0.36	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
7	25.07.2022	54.2	24.2	14.0	18.3	BQL (QL=1)	12.7	15.1	0.33	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
8	28.07.2022	53.5	23.7	14.0	17.6	BQL (QL=1)	15.9	13.8	0.43	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)
AVERAGE		54.8	24.8	13.3	17.8	BQL (QL=1)	15.5	13.8	0.38	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified
 Norms- As per national Ambient Air Quality Standards
 RPM (<10),RPM (<2.5),SO₂,NO₂ has been analysed at site lab



Analysed By

Shitcel K.B.

Approved By

[Signature]

GO Green Mechanisms Pvt Ltd

Analysis Results For The Month of July 22

On Site 24 Hourly Monitoring Results

Company Name		Mahan Energen Limited												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Sample Description		Near Gate No - 02												
Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)	O ₃	NH ₃	CO	Benzene	Benzo (a) Pyrene	Pb	Ni	As	
Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
Sr. No	Reference Method	IS 5182 part-23	IS 5182 part-2	IS 5182 Part-6	Method IO-3.4	IS 5182 part-9	GGMPL/SOP/AA/62	IS 5182 Part-10	IS 5182 Part-11	IS 5182 part-12	Method IO-3.4	Method IO-3.4	Method IO-3.4	
Norms	100	60	80	80	NS	100	400	4	5	1	1	20	6	
Date of Monitoring														
1	05.07.2022	59.8	13.8	17.7	BQL (QL=1)	14.70	16.32	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
2	08.07.2022	58.5	15.5	19.6	BQL (QL=1)	12.7	18.8	0.49	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
3	11.07.2022	59.2	13.2	18.3	BQL (QL=1)	15.9	17.6	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
4	14.07.2022	57.9	14.2	17.8	BQL (QL=1)	9.6	15.1	0.42	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
5	18.07.2022	60.6	13.1	19.9	BQL (QL=1)	12.7	16.3	0.44	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
6	21.07.2022	57.0	13.2	17.4	BQL (QL=1)	14.70	15.1	0.48	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
7	25.07.2022	59.7	14.4	18.9	BQL (QL=1)	12.7	17.6	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
8	28.07.2022	56.3	13.4	18.6	BQL (QL=1)	15.9	15.1	0.46	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
AVERAGE		58.5	13.9	18.6	BQL (QL=1)	13.5	16.5	0.46	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

RPM (<10),RPM (<2.5),SO₂,NO₂ has been analysed at site lab

Analysed By
Shivaj K.B.

Approved By



GO Green Mechanisms Pvt Ltd

Analysis Results For The Month of July 22

On Site 24 Hourly Monitoring Results

Company Name		Mahan Energen Limited												
Sample Type		AMBIENT AIR QUALITY MONITORING												
Sample Description		Near Gate No - 03												
Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)	O ₃	NH ₃	CO	Benzene	Benzo (a) Pyrene	Pb	Ni	As	
Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	ng/m ³	
Sr. No	Reference Method	IS 5182 part-23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3-4	IS 5182 part-9	IS 5182 Part-10	IS 5182 Part-11	IS 5182 part-12	Method IO-3-4	Method IO-3-4	Method IO-3-4	
Norms	100	60	80	80	NS	100	400	4	5	1	1	20	6	
Date of Monitoring														
1	05.07.2022	55.9	26.2	13.5	22.9	BQL (QL=1)	10.5	0.44	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
2	08.07.2022	56.5	25.4	13.8	20.4	BQL (QL=1)	12.4	0.41	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
3	11.07.2022	55.0	24.2	14.0	19.4	BQL (QL=1)	11.5	0.43	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
4	14.07.2022	57.3	26.2	14.5	17.1	BQL (QL=1)	10.5	0.44	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
5	18.07.2022	54.5	25.4	16.1	19.9	BQL (QL=1)	11.8	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
6	21.07.2022	55.0	25.8	15.1	19.2	BQL (QL=1)	11.2	0.43	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
7	25.07.2022	57.3	24.6	14.0	18.0	BQL (QL=1)	9.9	0.42	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
8	28.07.2022	55.6	26.7	13.0	19.6	BQL (QL=1)	10.8	0.45	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	
AVERAGE		55.9	25.5	14.4	19.1	BQL (QL=1)	11.1	0.43	BQL (QL=2.5)	BQL (QL=0.5)	BQL (QL=0.001)	BQL (QL=5)	BQL (QL=1)	

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

RPM (<10),RPM (<2.5),SO₂,NO₂ has been analysed at site lab

Analyses By

Shivul K.P.

Approved By

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of August 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Admin Building

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part-23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.08.2022	56.0	26.7	14.6	22.0	BQL (QL=1)
2	04.08.2022	59.6	27.9	15.4	18.9	BQL (QL=1)
3	08.08.2022	55.0	23.7	15.0	19.5	BQL (QL=1)
4	11.08.2022	56.5	25.4	16.4	21.0	BQL (QL=1)
5	15.08.2022	58.7	26.7	14.4	19.5	BQL (QL=1)
6	18.08.2022	55.7	28.3	15.9	22.5	BQL (QL=1)
7	22.08.2022	57.1	24.6	16.5	19.8	BQL (QL=1)
8	25.08.2022	56.2	27.9	14.6	21.4	BQL (QL=1)
9	29.08.2022	56.8	26.7	16.2	20.0	BQL (QL=1)
AVERAGE		56.8	26.4	15.4	20.5	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analyses By

Shiyal K.B.
 Shiyal Kishor



Approved By

Pankil Patel
 Pankil Patel

.....END.....

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of August 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Gate No - 02

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part 23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.08.2022	65.3	31.2	18.1	23.6	BQL (QL=1)
2	04.08.2022	63.4	32.1	17.7	22.0	BQL (QL=1)
3	08.08.2022	63.9	31.7	19.1	24.2	BQL (QL=1)
4	11.08.2022	65.8	33.3	18.6	23.2	BQL (QL=1)
5	15.08.2022	64.0	35.8	17.8	22.9	BQL (QL=1)
6	18.08.2022	64.9	32.5	18.2	24.2	BQL (QL=1)
7	22.08.2022	63.4	34.6	18.6	23.7	BQL (QL=1)
8	25.08.2022	65.1	33.7	17.1	23.9	BQL (QL=1)
9	29.08.2022	64.3	35.8	19.9	24.9	BQL (QL=1)
AVERAGE		64.5	33.4	18.3	23.6	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analyses By

Shiyal K.B.
 Shiyal Kishor



Approved By

P.
 Pankil Patel

.....
 END

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of August 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Gate No - 03

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part-23	GGMPL/SOP/A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.08.2022	57.2	29.6	14.6	23.3	BQL (QL=1)
2	04.08.2022	60.8	31.2	15.7	19.8	BQL (QL=1)
3	08.08.2022	60.0	28.7	16.1	20.0	BQL (QL=1)
4	11.08.2022	62.4	30.8	16.4	21.7	BQL (QL=1)
5	15.08.2022	59.6	32.5	14.7	21.0	BQL (QL=1)
6	18.08.2022	58.7	28.3	15.8	19.0	BQL (QL=1)
7	22.08.2022	61.5	30.4	17.3	21.5	BQL (QL=1)
8	25.08.2022	61.6	33.3	16.4	19.2	BQL (QL=1)
9	29.08.2022	61.6	32.9	15.5	20.3	BQL (QL=1)
AVERAGE		60.4	30.9	15.8	20.6	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analysed By

Shiyal K.B.
Shiyal Kishor



Approved By

P.
Pankil Patel

.....END.....

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of September 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Admin Building

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part-23	GGMPL/SOP/A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.09.2022	62.8	32.9	17.6	22.5	BQL (QL=1)
2	05.09.2022	60.7	30.4	16.5	21.7	BQL (QL=1)
3	08.09.2022	58.7	29.6	18.3	20.3	BQL (QL=1)
4	12.09.2022	63.5	31.7	19.3	22.4	BQL (QL=1)
5	15.09.2022	65.3	33.3	16.2	23.3	BQL (QL=1)
6	19.09.2022	59.7	31.2	17.0	22.5	BQL (QL=1)
7	22.09.2022	63.8	30.8	19.8	23.9	BQL (QL=1)
8	26.09.2022	61.8	31.7	20.1	25.3	BQL (QL=1)
9	29.09.2022	60.9	28.3	21.1	24.2	BQL (QL=1)
AVERAGE		61.9	31.1	18.4	22.9	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analyes By

Shiyal K.B.
Shiyal Kishor



Approved By

Pankil Patel
Pankil Patel

.....END.....

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of September 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Gate No - 02

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part 23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.09.2022	61.4	31.2	16.9	20.6	BQL (QL=1)
2	05.09.2022	63.6	29.4	19.6	23.7	BQL (QL=1)
3	08.09.2022	59.8	30.8	15.9	21.9	BQL (QL=1)
4	12.09.2022	64.5	32.4	20.4	22.4	BQL (QL=1)
5	15.09.2022	62.5	31.6	22.6	25.1	BQL (QL=1)
6	19.09.2022	65.9	30.8	21.8	26.4	BQL (QL=1)
7	22.09.2022	60.5	31.2	23.6	26.9	BQL (QL=1)
8	26.09.2022	63.2	32.4	20.9	23.5	BQL (QL=1)
9	29.09.2022	62.5	31.8	19.5	22.1	BQL (QL=1)
AVERAGE		62.7	31.3	20.1	23.6	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analysed By

Shiyal K.B.
 Shiyal Kishor



Approved By

Pankil Patel
 Pankil Patel

.....END.....

GO Green Mechanisms Pvt Ltd
Analysis Results For The Month of September 22
On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited
Sample Type AMBIENT AIR QUALITY MONITORING
Sample Description Near Gate No - 03

Sr. No	Parameters	RPM (<10)	RPM (<2.5)	SO ₂	NO ₂	Mercury(Hg)
	Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³
	Reference Method	IS 5182 part-23	GGMPL/SOP/A A/60	IS 5182 Part-2	IS 5182 Part-6	Method IO-3.4
	Norms	100	60	80	80	NS
	Date of Monitoring					
1	01.09.2022	63.4	30.9	18.4	25.7	BQL (QL=1)
2	05.09.2022	65.2	33.6	22.1	28.3	BQL (QL=1)
3	08.09.2022	59.8	29.8	24.6	29.6	BQL (QL=1)
4	12.09.2022	61.3	31.2	23.9	28.9	BQL (QL=1)
5	15.09.2022	62.9	32.4	20.7	24.5	BQL (QL=1)
6	19.09.2022	64.2	34.6	21.5	23.9	BQL (QL=1)
7	22.09.2022	66.5	36.5	20.9	25.4	BQL (QL=1)
8	26.09.2022	63.9	32.9	21.7	26.7	BQL (QL=1)
9	29.09.2022	64.8	33.1	27.4	30.4	BQL (QL=1)
AVERAGE		63.6	32.8	22.4	27.0	BQL (QL=1)

BQL - Below Quantification Limit; Avg. - Average; NS- Not Specified

Norms- As per national Ambient Air Quality Standards

Analyses By

Shiyal K.B.
Shiyal Kishor



Approved By

Pankil Patel
Pankil Patel

END

Stack Monitoring Results (Mahan Eneregen Limited)

Period- April-22 to September-2022

Location		Unit-1				Unit-2			
Month	Date	SPM	SO2	Nox	Mercury (Hg)	SPM	SO2	Nox	Mercury (Hg)
		Unit-mg/Nm3				Unit-mg/Nm3			
Apr-22	13.04.2022	48.1	877.2	381.5	BDL	45.8	860.1	412.9	BDL
	Permissible Limit	100	200	600	0.03	100	200	600	0.03
May-22	13.05.2022	46.2	889.7	409.1	BDL	44.1	868.5	418.1	BDL
	Permissible Limit	100	200	600	0.03	100	200	600	0.03
Jun-22	16.06.2022	47.7	872.3	413.5	BDL	48.9	889.2	436.7	BDL
	Permissible Limit	100	200	600	0.03	100	200	600	0.03
Jul-22	12.07.2022	44.5	840.78	362.18	0.01	–	–	–	–
	Permissible Limit	100	200	600	0.03	100	200	600	0.03
Aug-22	24.08.2022	–	–	–	–	38.86	880.51	385.17	0.01
	Permissible Limit	100	200	600	0.03	100	200	600	0.03
Sep-22	01.09.2022	37.8	864	374	BQL (QL=0.01)	38.24	876	382	BQL (QL=0.01)
	Permissible Limit	100	200	600	0.03	100	200	600	0.03

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000064F	Dispatch No:010
Test Report No	AETRL/030522ST0001
Date of Report Issue	04/05/2022
Sample Receiving Date	13/04/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions

Location	Unit # 1
Date of Monitoring	13/04/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	41.1°C
Flue Gas Temperature	135.8°C
Exit Velocity of Gas	28.60 m/s
Flow Rate of Gas At Standard Temp. & Pressure	811.2 N m ³ /s
Emission Rate at Stack Temp. & Pressure	2956320 m ³ /h
Emission Rate at Standard Temp. & Pressure	2919600 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	48.1 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	877.2 mg/Nm ³	200*
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	381.5 mg/Nm ³	450*
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.36 ppm	-
5.	Mercurys Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariva
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aetgwalior@gmail.com



Test Certificate

ULR: TC74052200000065F	Dispatch No:010
Test Report No	AETRL/030522ST0002
Date of Report Issue	04/05/2022
Sample Receiving Date	13/04/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions

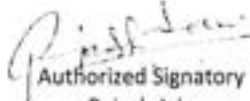
Location	Unit # 2
Date of Monitoring	13/04/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	41.1°C
Flue Gas Temperature	138.4°C
Exit Velocity of Gas	27.60 m/s
Flow Rate of Gas At Standard Temp. & Pressure	778.1 N m ³ /s
Emission Rate at Stack Temp. & Pressure	2834892 m ³ /h
Emission Rate at Standard Temp. & Pressure	2800959 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	45.8 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	860.1 mg/Nm ³	200
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	412.9 mg/Nm ³	450
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.55 ppm	-
5.	Mercurias Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariva
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

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Test Certificate

ULR: TC74052200000233F	Dispatch No: 028
Test Report No	AETRL/020622ST0001
Date of Report Issue	07/06/2022
Sample Receiving Date	13/05/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions


Location	Unit # 1
Date of Monitoring	13/05/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	44.2°C
Flue Gas Temperature	137.1°C
Exit Velocity of Gas	27.42 m/s
Flow Rate of Gas At Standard Temp. & Pressure	783.1 N m ³ /s
Emission Rate at Standard Temp. & Pressure	2819064 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	46.2 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	889.7 mg/Nm ³	200
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	409.1 mg/Nm ³	450
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.71 ppm	-
5.	Mercuryas Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000234F	Dispatch No: 028
Test Report No	AETRI/020622ST0002
Date of Report Issue	07/06/2022
Sample Receiving Date	13/05/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions

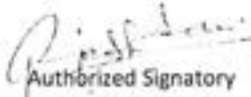
Location	Unit # 2
Date of Monitoring	13/05/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	44.2°C
Flue Gas Temperature	136.1°C
Exit Velocity of Gas	26.89 m/s
Flow Rate of Gas At Standard Temp. & Pressure	769.8 N m ³ /s
Emission Rate at Standard Temp. & Pressure	2771332 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	44.1 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	868.5 mg/Nm ³	200
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	418.1mg/Nm ³	450
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.63 ppm	-
5.	Mercuryas Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000521F	Dispatch No: 048
Test Report No	AETRL/010722ST0001
Date of Report Issue	05/07/2022
Sample Receiving Date	16/06/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions

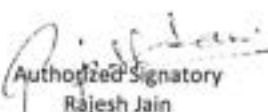
Location	Unit # 1
Date of Monitoring	16/06/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	40.1 ^o C
Flue Gas Temperature	134.6 ^o C
Exit Velocity of Gas	28.02 m/s
Flow Rate of Gas At Standard Temp. & Pressure	794.7 N m ³ /s
Emission Rate at Standard Temp. & Pressure	2860955 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	47.7 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	872.3 mg/Nm ³	200
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	413.5 mg/Nm ³	450
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.62 ppm	-
5.	Mercuryas Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000522F	Dispatch No: 048
Test Report No	AETRL/010722ST0002
Date of Report Issue	05/07/2022
Sample Receiving Date	16/06/2022
Issue To	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Test Report of Flue Gas Emissions


Location	Unit # 2
Date of Monitoring	16/06/2022
Sample Collected By	Mr. Omprakash and Narendra
Source of Emission	Exhaust Emission
Sampling Method	IS:11255 (Part-3)
Material of Construction	M.S.
Stack Attached to	Boiler
Stack Height Ground Level	275 mtr
Monitoring Platform Height From Ground Level	105 mtr
Stack Top	Circular
Inside Diameter of Stack at Sampling Point	6.9 mtr
Cross Sectional Area of Stack	37.37 m ²
Ambient Air Temperature	40.1 ^o C
Flue Gas Temperature	132.6 ^o C
Exit Velocity of Gas	27.12 m/s
Flow Rate of Gas At Standard Temp. & Pressure	772.9 N m ³ /s
Emission Rate at Standard Temp. & Pressure	2782716 N m ³ /h

Test Results

S.No.	Test Parameters	Method Adopted	Pollutant Concentration	Standards Limit (mg/Nm ³)
1.	Particulate Matter (PM)	IS:11255 (Part-1)	48.9 mg/Nm ³	50
2.	Sulphur Dioxide (SO ₂)	IS:11255 (Part-2)	889.2 mg/Nm ³	200
3.	Nitrogen Oxides (NO _x)	IS:11255 (Part-7)	426.7mg/Nm ³	450
4.	Carbon Monoxide (CO)	Orsat Apparatus	1.86 ppm	-
5.	Mercuryas Hg	EPA Method 29	BDL mg/Nm ³	0.03


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

GO Green Mechnisms Pvt Ltd						
Analysis Result for the Month of July 22						
Company Name		Mahan Energen Limited				
Sample Type		Stack Emission				
Stack Attached To		Boiler				
Stack Hihgt & Dia (m)		275 & 6.9				
Date of Sampling		12.07.2022				
Sr. No.	Parameters	Result (Unit1)	Results (Unit2)	Unit	Reference Method	Limit (mg/Nm3)
1	Flue Gas Temperature	145.00	-	°C	IS 11255 Part-3	-
2	Barometric Pressure	753.00	-	mmHg	GGMPL/SOP/MP/01	-
3	Velocity	16.65	-	m/s	IS 11255 Part-3	-
4	Volumetric Flow Rate	622.22	-	Nm3/s	IS 11255 Part-3	-
5	Particulate Matter (PM)	44.50	-	mg/Nm ³	IS 11255 Part-1	100
6	Sulphur Dioxide (SO ₂)	840.78	-	mg/Nm ³	IS 11255 Part-2	200
7	Oxides of Nitrogen(NOx)	362.18	-	mg/Nm ³	IS 11255 Part-7	600
8	Mercury as Hg	BQL(0.01)	-	mg/Nm ³	GGMPL/SOP/SEA/71	0.03

BQL= Below Quantification Limit	
Limit as per Thermal Power Plant Gazzate 2015	
Analysed By <i>Shrey K.B.</i>	Approved By <i>[Signature]</i>

END



GO Green Mechanisms Pvt Ltd						
Analysis Result for the Month of August 22						
Company Name		Mahan Energen Limited				
Sample Type		Stack Emission				
Stack Attached To		Boiler				
Stack Hihgt & Dia (m)		275 & 6.9				
Date of Sampling		24.08.2022				
Sr. No.	Parameters	Result (Unit1)	Results (Unit2)	Unit	Reference Method	Limit (mg/Nm3)
1	Flue Gas Temperature	-	114.00	°c	IS 11255 Part-3	-
2	Barometric Pressure	-	742.00	mmHg	GGMPL/SOP/MP/01	-
3	Velocity	-	16.89	m/s	IS 11255 Part-3	-
4	Volumetric Flow Rate	-	487.07	Nm3/s	IS 11255 Part-3	-
5	Particulate Matter (PM)	-	38.86	mg/Nm ³	IS 11255 Part-1	100
6	Sulphur Dioxide (SO ₂)	-	880.51	mg/Nm ³	GGMPL/SOP/SEA/68	200
7	Oxides of Nitrogen(NO _x)	-	385.17	mg/Nm ³	GGMPL/SOP/SEA/68	600
8	Mercury as Hg	-	BQL(QL=0.01)	mg/Nm ³	EPA Method 21	0.03

BQL= Below Quantification Limit

Limit as per Thermal Power Plant Gazzate 2015

Analysed By

Shiyal K.B.

Shiyal Kishor

Approved By

P.

Pankil Patel

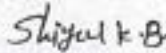

END



GO Green Mechanisms Pvt Ltd						
Analysis Result for the Month of September 22						
Company Name		Mahan Energen Limited				
Sample Type		Stack Emission				
Stack Attached To		Boiler				
Stack Hihgt & Dia (m)		275 & 6.9				
Date of Sampling		15.09.2022	10.09.2022			
Sr. No.	Parameters	Result (Unit1)	Results (Unit2)	Unit	Reference Method	Limit (mg/Nm3)
1	Flue Gas Temperature	116	112.0	°c	IS 11255 Part-3	-
2	Barometric Pressure	748	746.0	mmHg	GGHPL/SOP/MP/01	-
3	Velocity	20.51	16.78	m/s	IS 11255 Part-3	-
4	Volumetric Flow Rate	766.53	485.10	Nm3/s	IS 11255 Part-3	-
5	Particulate Matter (PM)	37.80	38.24	mg/Nm ³	IS 11255 Part-1	100
6	Sulphur Dioxide (SO ₂)	864.0	876.0	mg/Nm ³	GGMPL/SOP/SEA/68	200
7	Oxides of Nitrogen(NOx)	374.0	382.0	mg/Nm ³	GGMPL/SOP/SEA/68	600
8	Mercury as Hg	BQL(QL=0.01)	BQL(QL=0.01)	mg/Nm ³	EPA Method 21	0.03

BQL= Below Quantification Limit

Limit as per Thermal Power Plant Gazzate 2015

Analysed By  Shiyal Kishor	Approved By  Pankil Patel
---	--

END



April-2022 to September-2022

Sewage Treatment Plant treated Water Analysis Results

STP Treated Water Results (MAHAN ENERGEN LIMITED)						
Month	Date	PARAMETER				
		PH	TSS	BOD	COD	Oil & Grease
		mg/L				
Apr-22	21.04.2022	7.29	66	9.42	78.6	0.46
May-22	17.05.2022	7.22	44	3.36	71.7	0.78
Jun-22	21.06.2022	7.36	58	9.02	82.2	0.82
Jul-22	20.07.2022	7.68	20	12.5	49.12	(BQL=2)
Aug-22	22.08.2022	7.82	24.0	18	55.0	(BQL=2)
Sep-22	01.09.2022	7.91	19	12.5	50	(BQL=2)



Sewage Treatment Plant at Mahan Energen Limited

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aetlgwalior@gmail.com



Test Certificate

ULR: TC74052200000021F

Dispatch No: 0008

Test Report No	AETRL/250422WW0001
Date of Report Issue	04/05/2022
Receiving date	25/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Date of Sampling	21/04/2022
Date of Analysis	21/04/2022 To 03/05/2022
Location	Inside The Plant Premises
Water Source	STP Outlet Sample

Test Results


S.No.	Parameter	Result	Standard Limits
1.	pH	7.29	6.5 to 9.0
2.	Electrical Conductivity, (μ S/cm)	1682	-
3.	Total Solids, (mg/L)	1090	-
4.	Total Dissolved Solids, (mg/L)	1024	2100
5.	Suspended Solids, (mg/L)	66	100
6.	Biochemical Oxygen Demand, (mg/L) (3 days 27°C)	9.42	30
7.	Chemical Oxygen Demand, (mg/L)	78.6	250
8.	Oil & Grease, (mg/L)	0.46	10
9.	Chloride, (mg/L)	142	1000
10.	Fecal Coliform, (MPN/100 ml)	90	<1000

*****END OF REPORT*****


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC740522000000219F

Dispatch No: 027

Test Report No	AETRL/210522WW0001
Date of Report Issue	07/06/2022
Receiving date	21/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Date of Sampling	17/05/2022
Date of Analysis	17/05/2022 To 06/06/2022
Location	Inside The Plant Premises
Water Source	STP Outlet Sample

Test Results


S.No.	Parameter	Result	Standard Limits
1.	pH	7.22	6.5 to 9.0
2.	Electrical Conductivity, (μ S/cm)	1516	-
3.	Total Solids, (mg/L)	1042	-
4.	Total Dissolved Solids, (mg/L)	998	2100
5.	Suspended Solids, (mg/L)	44	100
6.	Biochemical Oxygen Demand, (mg/L) (3 days 27°C)	8.36	30
7.	Chemical Oxygen Demand, (mg/L)	71.7	250
8.	Oil & Grease, (mg/L)	0.78	10
9.	Chloride, (mg/L)	152	1000
10.	Fecal Coliform, (MPN/100 ml)	68	<1000

*****END OF REPORT*****


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000506F

Dispatch No: 048

Test Report No	AETRL/250622VW0001
Date of Report Issue	05/07/2022
Receiving date	25/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Date of Sampling	21/06/2022
Date of Analysis	21/06/2022 To 04/07/2022
Location	Inside The Plant Premises
Water Source	STP Outlet Sample

Test Results

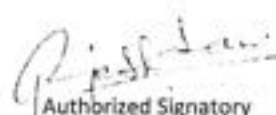
S.No.	Parameter	Result	Standard Limits
1.	pH	7.36	6.5 to 9.0
2.	Electrical Conductivity, ($\mu\text{S}/\text{cm}$)	1504	-
3.	Total Solids, (mg/L)	1030	-
4.	Total Dissolved Solids, (mg/L)	972	2100
5.	Suspended Solids, (mg/L)	58	100
6.	Biochemical Oxygen Demand, (mg/L) (3 days 27°C)	9.02	30
7.	Chemical Oxygen Demand, (mg/L)	82.2	250
8.	Oil & Grease, (mg/L)	0.38	10
9.	Chloride, (mg/L)	142	1000
10.	Fecal Coliform, (MPN/100 ml)	48	<1000

*****END OF REPORT*****


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

GO Green Mechnisms Pvt Ltd
Analysis Results for the Month of July 2022

Company Name		Mahan Energen Limited.		
Sample Type		Waste Water		
Sample Quantity		2L		
Date of Sampling		20.07.2022		
Analysis Period		25.07.2022 to 06.08.2022		
SL. No.	PARAMETER	UNIT	Location	Reference Method
			STP Outlet	
1	pH @ 25 °C	-	7.68	IS 3025-Part 11
2	Total Suspended Solids	mg/L	20	APHA 23rd Edition (2540 D)
3	BOD at 27°C – 3 Days	mg/L	12.50	IS 3025-Part 44
4	Chemical Oxygen Demand	mg/L	49.12	APHA 23rd Edition(5220 B)
5	Oil & Grease	mg/L	BQL(QL=2)	IS 3025-Part 39

BQL =Below Quantification Limit; NA = Not Applicable

Analysed By:

Shijay K.B.

Approved By:



.....END.....



GO Green Mechanisms Pvt Ltd
Analysis Results for the Month of August 2022

Company Name			Mahan Energen Limited.	
Sample Type			Waste Water	
Sample Quantity			2L	
Date of Sampling			22.08.2022	
Analysis Period			25.08.2022 to 30.08.2022	
SL. No.	PARAMETER	UNIT	Location	Reference Method
			STP Outlet	
1	pH @ 25 °C	-	7.82	IS 3025-Part 11
2	Total Suspended Solids	mg/L	24.00	APHA 23rd Edition (2540 D)
3	BOD at 27°C – 3 Days	mg/L	18	IS 3025-Part 44
4	Chemical Oxygen Demand	mg/L	55.00	APHA 23rd Edition(5220 B)
5	Oil & Grease	mg/L	BQL(QL=2)	IS 3025-Part 39

BQL =Below Quantification Limit; NA = Not Applicable

Analysed By:

Shiyal K.B.
Shiyal Kishor

Approved By:

P.
Pankil Patel

.....**END**.....



GO Green Mechnisms Pvt Ltd
Analysis Results for the Month of September 2022

Company Name		Mahan Energen Limited.		
Sample Type		Waste Water		
Sample Quantity		2L		
Date of Sampling		06.09.2022		
Analysis Period		09.09.2022 to 17.09.2022		
SL. No.	PARAMETER	UNIT	Location	Reference Method
			STP Outlet	
1	pH @ 25 °C	-	7.91	IS 3025-Part 11
2	Total Suspended Solids	mg/L	19.00	APHA 23rd Edition (2540 D)
3	BOD at 27°C - 3 Days	mg/L	12.50	IS 3025-Part 44
4	Chemical Oxygen Demand	mg/L	50.00	APHA 23rd Edition(5220 B)
5	Oil & Grease	mg/L	BQL(QL=2)	IS 3025-Part 39

BQL = Below Quantification Limit; NA = Not Applicable

Analysed By:	Approved By:
<i>Shiyul K.B. Shiyul Kishor</i>	<i>Pankaj Patel</i>

.....END.....



Mahan Energen Limited

Annexure: 6

Greenbelt Details:

Green belt Area developed (ha)	No. of Trees Planted	No. of Shrubs Planted
116 (ha)	108385	

PLANTED SPECIES IN AND AROUND PLANT PREMISES

Sr. No.	Scientific Name	Common Name
Tress		
1.	<i>Peltophorum pterocarpum</i>	Yellow Gulmohar
2.	<i>Azadirachta indica</i>	Neem
3.	<i>Madhuca longifolia</i>	Mahua
4.	<i>Vachellia nilotica</i>	Babool
5.	<i>Tectona grandis</i>	Saghwan
6.	<i>Ficus benjamina</i>	Ficus
7.	<i>Millettia pinnata</i>	Karanj
8.	<i>Albizia saman</i>	Rain Tree
9.	<i>Delonix regia</i>	Gulmohar
10.	<i>Senna siamea</i>	Kasod
11.	<i>Syzygium cumini</i>	Jamun
12.	<i>Mangifera indica</i>	Mango
13.	<i>Psidium guajava</i>	Guava
14.	<i>Manilkara zapota</i>	Chiku
15.	<i>Litchi chinensis</i>	Litchi
16.	<i>Phyllanthus emblica</i>	Amla
17.	<i>Artocarpus heterophyllus</i>	Jack Fruit
18.	<i>Gmelina arborea</i>	Gumhar
19.	<i>Saraca asoca</i>	Ashoka
20.	<i>Cassia fistula</i>	Amaltaas
21.	<i>Mimusops elengi</i>	Molshree
22.	<i>Terminalia arjuna</i>	Arjun
23.	<i>Dalbergia sissoo</i>	Sisham
24.	<i>Bombax ceiba</i>	Simal
25.	<i>Roystonea regia</i>	Royal Palm
26.	<i>Wodyetia bifurcate</i>	Foxtail palm
27.	<i>Juniperus</i>	Hapusa
28.	<i>Thuja</i>	Thuja
29.	<i>Moringa oleifera</i>	Drumstick
30.	<i>Brahea</i>	Palm
31.	<i>Lagerstroemia speciosa</i>	Zarul
32.	<i>Eucalyptus globulus Labill</i>	Eucalyptus
33.	<i>Aegle marmelos</i>	Bel
Shrubs		
34.	<i>Callistemon</i>	Bottle Brush
35.	<i>Codiaeum variegatum</i>	Croton
36.	<i>Rosa</i>	Rose
37.	<i>Bougainvillea</i>	Bougainvillea
38.	<i>Hibiscus</i>	China rose
39.	<i>Mussaenda erythrophylla</i>	Mussaenda
40.	<i>Plumeria Spp</i>	White Frangipani
41.	<i>ixora coccinea</i>	ixora

Mahan Energen Limited

Sr. No.	Scientific Name	Common Name
42.	Tabernaemontana divaricate	Pinwheel flower
43.	Cycas revoluta	Cycas
44.	Lantana camara	Lantana
45.	Berberis thunbergii	Hedge

Ambient Noise Results (MAHAN ENERGEN LIMITED)

Location			Admin			Gate No.1			Gate No. 2			Gate No. 3		
Month	Date		Leq	Max	Min	Leq	Max	Min	Leq	Max	Min	Leq	Max	Min
Apr-22	04.04.2022	Day	53.2	57.1	47.8	67.2	72.1	52.9	68.1	72.0	50.8	64.6	68.6	51.2
		Night	49.3	52.6	48.7	63.2	67.2	38.0	60.6	65.6	50.1	52.7	65.1	47.6
May-22	05.05.2022	Day	54.3	58.2	45.1	68.1	73.0	54.2	66.6	70.7	53.1	60.2	66.9	53.7
		Night	48.7	55.2	43.1	61.8	65.3	45.1	61.1	66.1	47.3	54.1	58.6	44.2
Jun-22	06.06.2022	Day	52.1	55.9	37.2	66.2	70.2	57.2	64.3	71.1	55.6	59.8	68.2	56.1
		Night	47.1	51.6	40.3	57.1	60.9	42.6	58.6	62.5	54.9	50.6	55.2	42.1
Jul-22	25.07.2022	Day	64.1	68.6	51.7	62.9	67.4	50.5	65.3	69.8	52.9	63.0	67.5	50.6
		Night	50.3	53.0	46.5	50.0	53.2	46.8	51.5	55.1	47.7	49.2	52.8	45.4
Aug-22	22.08.2022	Day	63.7	68.2	53.1	63.3	68.1	54.1	64.7	69.4	54.6	64.0	69.3	52.1
		Night	49.7	52.8	46.1	51.5	56.1	45.3	63.3	57.1	47.2	48.8	51.9	46.1
Sep-22	01.09.2022	Day	63.7	68.2	53.21	63.3	68.1	54.1	64.7	69.4	54.6	64.0	69.3	52.1
		Night	49.7	52.8	64.1	51.5	56.1	45.3	63.3	57.1	47.2	48.8	51.9	46.1

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com




Test Certificate	
ULR: TC74052200000066-70F	Dispatch No: 010
Test report No	AETRL/030522AN0001-4
Date of Report Issue	04/05/2022
Sample Receiving Date	05/04 /2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh


Report of Ambient Noise Monitoring

Date of Monitoring: 04/04/2022

S.N.	Locations	Day in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000	Night in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000
		Min.	Max.	Leq.		Min.	Max.	Leq.	
1	Near Gate No 1	52.9	72.1	67.2	75 dB(A)	48.0	67.2	63.2	70 dB(A)
2	Near Gate No 2	50.8	72.0	68.1					
3	Near Gate No 3	51.2	68.6	64.6					
4	Near Admin Block	47.8	57.1	53.2					


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rakesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000235-38F	Dispatch No: 028
Test report No	AETRL/020622AN0001-4
Date of Report Issue	07/06/2022
Sample Receiving Date	06/05 /2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

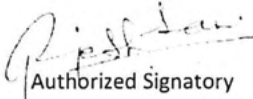
Report of Ambient Noise Monitoring

Date of Monitoring: 05/05/2022

S.N.	Locations	Day in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000	Night in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000
		Min.	Max.	Leq.		Min.	Max.	Leq.	
1	Near Gate No 1	54.2	73.0	68.1	75 dB(A)	45.1	65.3	61.8	70 dB(A)
2	Near Gate No 2	53.1	70.7	66.6		47.3	66.1	61.1	
3	Near Gate No 3	53.7	66.9	60.2		44.2	58.6	54.1	
4	Near Admin Block	45.1	58.2	54.3		43.1	55.2	48.7	


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000523-26F	Dispatch No: 048
Test report No	AETRL/010722AN0001-4
Date of Report Issue	05/07/2022
Sample Receiving Date	07/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

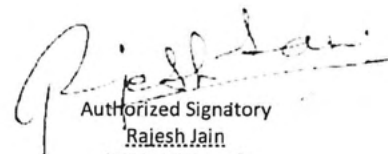
Report of Ambient Noise Monitoring

Date of Monitoring: 06/06/2022

S.N.	Locations	Day in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000	Night in dB(A)			Noise Pollution (Regulation and Control) Rules, 2000
		Min.	Max.	Leq.		Min.	Max.	Leq.	
1	Near Gate No 1	57.2	70.2	66.2	75 dB(A)	42.6	60.9	57.1	70 dB(A)
2	Near Gate No 2	55.6	71.1	64.3		44.9	62.5	58.6	
3	Near Gate No 3	56.1	68.2	59.8		42.1	55.2	50.6	
4	Near Admin Block	47.2	55.9	52.1		40.3	51.6	47.1	


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Raiesh Jain
(TD & QC Head)

GO Green Mechnisms Pvt Ltd

Analysis Results For The Month of July 22

On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited.

Sample Type Ambient Noise Monitoring

Sr No	Sampling Date	Location		Day Time in dB (A) leq (6:00 Am to 10:00 Pm)	Norms (Day Time)	Night Time in dB (A) leq (10:00 Pm to 06:00 Am)	Norms (Night Time)
1	25.07.2022	Nr. Gate No. 2	Leq :	65.3	75.0	51.5	70.0
			Max :	69.8		55.1	
			Min :	52.9		47.7	
2	26.07.2022	Nr. Admin Building	Leq :	64.1	75.0	50.3	70.0
			Max :	68.6		53.9	
			Min :	51.7		46.5	
3	27.07.2022	Nr. Gate No. 1	Leq :	62.9	75.0	50.0	70.0
			Max :	67.4		53.2	
			Min :	50.5		46.8	
4	28.07.2022	Nr. Gate No. 3	Leq :	63.0	75.0	49.2	70.0
			Max :	67.5		52.8	
			Min :	50.6		45.4	

NORMS AS PER NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000 (Industrial Area)

Analysed By

Shiyun K.B.

Approved By

.....END.....



GO Green Mechanisms Pvt Ltd

Analysis Results For The Month of August 22

On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited.

Sample Type Ambient Noise Monitoring

Sr No	Sampling Date	Location		Day Time in dB (A) leq (6:00 Am to 10:00 Pm)	Norms (Day Time)	Night Time in dB (A) leq (10:00 Pm to 06:00 Am)	Norms (Night Time)
1	22.08.2022	Nr. Gate No. 1	Leq :	63.3	75.0	51.5	70.0
			Max :	68.1		56.1	
			Min :	54.1		45.3	
2	22.08.2022	Nr. Amin Building	Leq :	63.7	75.0	49.7	70.0
			Max :	68.2		52.8	
			Min :	53.1		46.1	
3	25.08.2022	Nr. Gate No. 2	Leq :	64.7	75.0	63.3	70.0
			Max :	69.4		57.1	
			Min :	54.6		47.2	
4	25.08.2022	Nr. Gate No. 3	Leq :	64.0	75.0	48.8	70.0
			Max :	69.3		51.9	
			Min :	52.1		46.1	

NORMS AS PER NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000 (Industrial Area)

Analysed By

Shiyal K.B.
Shiyal Kishor

Approved By

Pankil Patel
Pankil Patel

.....END.....



GO Green Mechnisms Pvt Ltd

Analysis Results For The Month of September 22

On Site 24 Hourly Monitoring Results

Company Name Mahan Energen Limited.

Sample Type Ambient Noise Monitoring

Sr No	Sampling Date	Location		Day Time in dB (A) leq (6:00 Am to 10:00 Pm)	Norms (Day Time)	Night Time in dB (A) leq (10:00 Pm to 06:00 Am)	Norms (Night Time)
1	19.09.2022	Nr. Gate No. 2	Leq :	64.9	75.0	50.9	70.0
			Max :	70.2		54.9	
			Min :	51.7		47.6	
2	20.09.2022	Nr. Admin Building	Leq :	64.8	75.0	51.5	70.0
			Max :	68.9		55.8	
			Min :	50.5		46.1	
3	21.09.2022	Nr. Gate No. 1	Leq :	62.9	75.0	50.0	70.0
			Max :	67.4		53.2	
			Min :	50.5		46.8	
4	22.09.2022	Nr. Gate No. 3	Leq :	63.0	75.0	49.2	70.0
			Max :	67.5		52.8	
			Min :	50.6		45.4	

NORMS AS PER NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000 (Industrial Area)

Analysed By Shiyu K.B. Shiyu Kishor	Approved By Pankil Patel
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.....END.....





Power

Ref. No.: APL/MEL/ENV/CAC/217/22

Date: 20.07.2022

To

Additional Principal Chief Conservator of Forest (APCCF)

Ministry of Environment, Forest & Climate Change,

Integrated Regional office,

Kendriya Paryavaran Bhawan, Link Road No. 3,

E-5, R.S. Nagar, Bhopal- 462016. MP.

Sub: Advisory regarding implementation of Notification No. G.S.R. 02 (E) dated 2nd January 2014 for supply and use of coal with ash content-regarding.

Ref: File No. L-11011/21/2014-IA, I (T), dated: 13.04.2015.

Dear Sir,

With above subject matter, we are submitting herewith compliance of said notification.

The half yearly compliance reports of Fly Ash management for environmental safeguards stipulated in the EC and Consent are being regularly submitted to both the regional offices of MoEF&CC, Bhopal as well as Madhya Pradesh Pollution Control Board (MPPCB). We are also submitting the half yearly & annual reports of Fly Ash utilization & Ash Content of Coal to Central Electricity Authority (CEA) since plant operation.

We are enclosing herewith the monthly as well as **Quarterly Average ash content** in the coal used by our power plant during the period of **April'2022 to June'2022** as Annexure-1.

Total Capacity of TPP: 1200 MW

This is for your kind information and record please.

Thanking You,

Yours faithfully,

for **Mahan Energen Limited**

(R N Shukla)

Head- Env & Forest

Encl.: As above

MAHAN ENERGEN LIMITED

Annexure – 1

ASH PERCENT IN COAL (From April'2022 to June'2022)

Sl. No.	Month	Coal Consumption (MT)	Ash Content in Coal (%)
1	April'2022	387,293	40.93
2	May'2022	386,447	40.30
3	June'2022	279,676	38.04
Quarterly Average (%)			39.94

MT: Metric Tonne

- MEL based on **Pit head** Thermal Power Plant.

Ref: MEL/ENV/FLYASH/111/10/2022
Date: 15/10/2022

To,

Additional Principal Chief Conservator of Forest
Ministry of Environment, Forests & Climate Change
Integrated Regional Office, Western Region

Kendriya Paryavaran Bhavan, Link Road No.- 3, E-5, Ravi Shankar Nagar,
Bhopal - 462 016 (M.P)

Sub: Advisory regarding implementation of Notification No. G.S.R. 02(E) dated: 2nd January 2014 for supply and use of coal with ash content – reg..

Ref. No: File No. L-11011/21/2014-IA. I (T), dated: 13.04.2015

Dear Sir,

With reference to above subject and reference, we are submitting herewith the compliance of said notification.

The half yearly compliance reports of Fly Ash management for environmental safeguards stipulated in the EC and Consent are being regularly submitted to both the Regional office of MoEFCC, Bhopal as well as MP Pollution Control Board (MPPCB). We are also submitting the half yearly & annual reports of Fly ash utilization to Central Electricity Authority (CEA) since plant operation.

We are enclosing herewith the monthly as well as **Quarterly Average Ash Content** in the coal used by our plant during the period of **July'2022 to September'2022** as Annexure – I.

Capacity of TPP: 1200 MW

This is for your kind information and record please.

Thanking You,

Yours faithfully,

for Mahan Energen Limited,



(R N Shukla)
Head-Environment

Encl: As above

MAHAN ENERGEN LIMITED

Annexure - 1

ASH PERCENTAGE IN COAL

(From July 2022 TO Sep 2022)

Month	Coal Consumption (MT)	Ash % in Coal
July-2022	96986	34.71
August-2022	67770	28.09
September-2022	223827	27.69
Quarterly Average (%)	30.16

MT-Metric Tone

- Mahan Energen Limited is based on Pit head Thermal Power Plant

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000018P

Dispatch No: 0008

Test Report No AETRL/250422SW0001
Date of Report Issue 04/05/2022
Receiving date 25/04/2022
Issue to M/s. Mahan Energen Limited
Add. Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Sample Description Surface Water
Date of Sampling 21/04/2022
Date of Analysis 21/04/2022 To 03/05/2022
Location Near Gate No 01
Water Source Nalla

Test Results

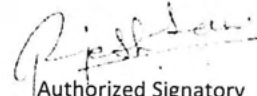
S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.37	6.5-8.5
2.	Colour (Hazen)	148	300
3.	Total Dissolved Solids (mg/L)	342	1500
4.	Dissolved Oxygen (mg/L)	6.26	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.33	3.0
6.	Chemical Oxygen Demand (mg/L)	92.1	-
7.	Chloride (mg/L)	47.6	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.472	1.5
10.	Sulphate (mg/L)	47.1	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	6.28	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.523	50.0
18.	Zinc (mg/L)	0.502	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory

Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000020P

Dispatch No: 0008

Test Report No	AETRL/250422SW0003
Date of Report Issue	04/05/2022
Receiving date	25/04/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Sample Description	Surface Water
Date of Sampling	21/04/2022
Date of Analysis	21/04/2022 To 03/05/2022
Location	Near Gate No 03
Water Source	River Sample

Test Results


S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.33	6.5-8.5
2.	Colour (Hazen)	133	300
3.	Total Dissolved Solids (mg/L)	362	1500
4.	Dissolved Oxygen (mg/L)	6.27	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.26	3.0
6.	Chemical Oxygen Demand (mg/L)	73.6	-
7.	Chloride (mg/L)	41.6	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.352	1.5
10.	Sulphate (mg/L)	38.9	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	7.03	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.282	50.0
18.	Zinc (mg/L)	0.124	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by

Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000216P

Dispatch No: 027

Test Report No	AETRL/210522SW0001
Date of Report Issue	07/06/2022
Receiving date	21/05/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Sample Description	Surface Water
Date of Sampling	18/05/2022
Date of Analysis	18/05/2022 To 06/06/2022
Location	Near Gate No 01
Water Source	Nalla

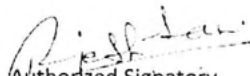
Test Results

S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.41	6.5-8.5
2.	Colour (Hazen)	150	300
3.	Total Dissolved Solids (mg/L)	352	1500
4.	Dissolved Oxygen (mg/L)	6.12	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.41	3.0
6.	Chemical Oxygen Demand (mg/L)	90.6	-
7.	Chloride (mg/L)	51.3	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.506	1.5
10.	Sulphate (mg/L)	44.6	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	6.86	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.544	50.0
18.	Zinc (mg/L)	0.563	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetri2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000218P

Dispatch No: 027


Test Report No AETRL/210522SW0003
Date of Report Issue 07/06/2022
Receiving date 21/05/2022
Issue to M/s. Mahan Energen Limited
Add. Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Sample Description Surface Water
Date of Sampling 18/05/2022
Date of Analysis 18/05/2022 To 06/06/2022
Location Near Gate No 03
Water Source River Sample


Test Results

S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.39	6.5-8.5
2.	Colour (Hazen)	143	300
3.	Total Dissolved Solids (mg/L)	325	1500
4.	Dissolved Oxygen (mg/L)	6.13	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.19	3.0
6.	Chemical Oxygen Demand (mg/L)	72.6	-
7.	Chloride (mg/L)	47.1	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.344	1.5
10.	Sulphate (mg/L)	52.1	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	7.23	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.326	50.0
18.	Zinc (mg/L)	0.172	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000503P

Dispatch No: 048

Test Report No	AETRL/250622SW0001
Date of Report Issue	05/07/2022
Receiving date	25/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

Sample Description	Surface Water
Date of Sampling	21/06/2022
Date of Analysis	21/06/2022 To 04/07/2022
Location	Near Gate No 01
Water Source	Nalla

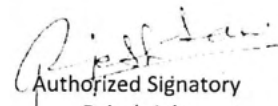
Test Results

S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.33	6.5-8.5
2.	Colour (Hazen)	141	300
3.	Total Dissolved Solids (mg/L)	348	1500
4.	Dissolved Oxygen (mg/L)	6.36	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.22	3.0
6.	Chemical Oxygen Demand (mg/L)	84.1	-
7.	Chloride (mg/L)	48.6	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.522	1.5
10.	Sulphate (mg/L)	41.8	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	6.31	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.428	50.0
18.	Zinc (mg/L)	0.736	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II

Gwalior-474 011, M.P., India

☎ 0751-409 99716, 2232177

Email: aetrl2016@gmail.com, aelgwalior@gmail.com



Test Certificate

ULR: TC74052200000505P

Dispatch No: 048

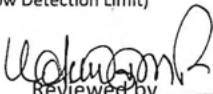
Test Report No	AETRL/250622SW0003
Date of Report Issue	05/07/2022
Receiving date	25/06/2022
Issue to	M/s. Mahan Energen Limited
Add.	Vill. Bandhaura, Post Karsualal, Tahsil Mada 486886 Madhya Pradesh

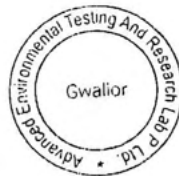
Sample Description	Surface Water
Date of Sampling	21/06/2022
Date of Analysis	21/06/2022 To 04/07/2022
Location	Near Gate No 03
Water Source	River Sample

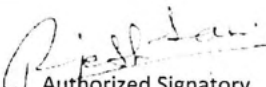
Test Results

S. No.	Parameters	Result	IS: 2296 Class 'C' Limit
1.	pH	7.42	6.5-8.5
2.	Colour (Hazen)	163	300
3.	Total Dissolved Solids (mg/L)	382	1500
4.	Dissolved Oxygen (mg/L)	6.66	4.0
5.	Biochemical Oxygen Demand (mg/L)	2.47	3.0
6.	Chemical Oxygen Demand (mg/L)	77.1	-
7.	Chloride (mg/L)	38.6	600
8.	Cyanide (mg/L)	BDL	0.05
9.	Fluoride (mg/L)	0.425	1.5
10.	Sulphate (mg/L)	50.8	400
11.	Phenolic Compound (mg/L)	BDL	0.005
12.	Anionic detergent (mg/L)	BDL	1.0
13.	Oil and Grease (mg/L)	BDL	0.1
14.	Nitrate (mg/L)	9.13	50
15.	Arsenic (mg/L)	BDL	0.2
16.	Copper (mg/L)	BDL	1.5
17.	Iron (mg/L)	0.389	50.0
18.	Zinc (mg/L)	0.254	15.0
19.	Cadmium (mg/L)	BDL	0.01
20.	Chromium as Cr ⁶⁺ (mg/L)	BDL	0.05
21.	Selenium (mg/L)	BDL	0.05
22.	Lead (mg/L)	BDL	0.1
23.	Mercury (mg/L)	BDL	-

Where BDL (Below Detection Limit)


Reviewed by
Dr. Dinesh K. Uchhariya
(Technical Manager)




Authorized Signatory
Rajesh Jain
(TD & QC Head)

GO Green Mechnisms Pvt Ltd

Analysis Results for the Month of July 2022

Company Name		Mahan Energen Limited.			
Sample Type		Surface Water			
Sample Quantity		8L			
Date of Sampling		20.07.2022			
Analysis Period		25.07.2022 to 06.08.2022			
SL. No.	PARAMETER	UNIT	Location		Reference Method
			Nr. Gate No. 1	Nr. Gate No. 3	
1	pH @ 25 °C	-	7.32	7.28	IS 3025-Part 11
2	Turbidity	NTU	BQL(QL=0.1)	BQL(QL=0.1)	APHA 23rd Edition (2130 B)
3	Total Dissolved Solids @ 180 °C	mg/L	407.0	313.0	APHA 23rd Edition (2540 C)
4	Total Hardness as CaCO ₃	mg/L	190.0	125.0	APHA 23rd Edition (2340 C)
5	Alkalinity as CaCO ₃	mg/L	246.7	206.7	APHA 23rd Edition (2320 B)
6	Calcium as Ca	mg/L	58.12	38.08	APHA 23rd Edition (3120 B)
7	Magnesium (Mg)	mg/L	10.94	7.29	APHA 23rd Edition (3120 B)
8	Sulphate	mg/L	15.64	21.98	APHA 23rd Edition (4500 SO4 E)
9	Nitrate	mg/L	0.36	0.17	IS 3025 (Part 34)
10	Iron	mg/L	0.128	0.552	APHA 23rd Edition (3120 B)
11	Fluoride	mg/L	BQL(QL=0.1)	BQL(QL=0.1)	APHA 23rd Edition (4500 F D)
12	Sulphide	mg/L	BQL(QL=0.2)	BQL(QL=0.2)	APHA 23rd Edition (4500 S2 F)
13	Zinc (Zn)	mg/L	0.082	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
14	Chloride	mg/L	77.48	48.98	IS 3025-Part 32
15	Residual Chlorine	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rd Edition (4500 Cl B)
16	Colour	Hazen	BQL(QL=1)	BQL(QL=1)	IS 3025 part 4
17	Odour	-	Agreeable	Agreeable	IS 3025 part 5
18	Mineral Oil	mg/L	BQL(QL=1)	BQL(QL=1)	IS 3025 part 39
19	Ammonia	mg/L	2.80	1.68	APHA 23rd Edition (4500 NH3 C)
20	Taste	-	Agreeable	Agreeable	IS 3025 Part-7
21	Chloramines as Cl ₂	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	IS 3025 (Pt 26)
22	Cyanide	mg/L	BQL(QL=0.025)	BQL(QL=0.025)	GGMPL/SOP/W/43
23	Aluminum (Al)	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
24	Arsenic (As)	mg/L	BQL(QL=0.005)	BQL(QL=0.005)	APHA 23rd Edition (3120 B)
25	Barium as Ba	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
26	Boron (B)	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rd Edition (3120 B)
27	Cadmium (Cd)	mg/L	BQL(QL=0.002)	BQL(QL=0.002)	APHA 23rd Edition (3120 B)
28	Copper (Cu)	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
29	Lead (Pb)	mg/L	BQL(QL=0.005)	BQL(QL=0.005)	APHA 23rd Edition (3120 B)
30	Manganese (Mn)	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	APHA 23rd Edition (3120 B)
31	Mercury (Hg)	mg/L	BQL(QL=0.0005)	BQL(QL=0.0005)	APHA 23rd Edition (3120 B)
32	Selenium (Se)	mg/L	BQL(QL=0.005)	BQL(QL=0.005)	APHA 23rd Edition (3120 B)
33	Molybdenum as Mo	mg/L	BQL(QL=0.01)	BQL(QL=0.01)	APHA 23rd Edition (3120 B)
34	Total Chromium Cr	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
35	Nickel as (Ni)	mg/L	BQL(QL=0.01)	BQL(QL=0.01)	APHA 23rd Edition (3120 B)
36	Silver (Ag)	mg/L	BQL(QL=0.02)	BQL(QL=0.02)	APHA 23rd Edition (3120 B)
37	Anionic Detergent	mg/L	BQL(QL=0.05)	BQL(QL=0.05)	IS 13428 (Annex K) : 2018



38	PAH				
38.1	Naphthalene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.2	1-Methylnaphthalene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.3	2-Methylnaphthalene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.4	Acenaphthylene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.5	Acenaphthene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.6	Fluorene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.7	Phenanthrene	µg/L	BQL(QL=5)	BQL(QL=5)	APHA 6440 B
38.8	Anthracene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.9	Fluoranthene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.10	Pyrene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.11	Benzo(a) anthracene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.12	Chrysene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.13	Benzo (b) fluoranthene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.14	Benzo(K) fluoranthene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.15	Benzo(a)pyrene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.16	Dibenzo(a,h)anthracene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.17	Benzo (g,h,i)perylene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
38.18	Indeno(1,2,3-cd)pyrene	µg/L	BQL(QL=10)	BQL(QL=10)	APHA 6440 B
39	Polychlorinated biphenyles				
39.1	PCB 1016	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.2	PCB 1221	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.3	PCB 1232	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.4	PCB 1242	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.5	PCB 1248	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.6	PCB 1254	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
39.7	PCB 1260	µg/L	BQL(QL=0.03)	BQL(QL=0.03)	USEPA 508
40	Trihalomethanes				
40.1	Bromoform	mg/L	BQL(QL=0.1)	BQL(QL=0.1)	APHA 6232
40.2	Dibromochloromethne	mg/L	BQL(QL=0.1)	BQL(QL=0.1)	APHA 6232
40.3	Bromodichloromethane	mg/L	BQL(QL=0.06)	BQL(QL=0.06)	APHA 6232
40.4	Chloroform	mg/L	BQL(QL=0.2)	BQL(QL=0.2)	APHA 6232
41	Pesticides				
41.1	o,p-DDT	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.2	p,p-DDT	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.3	o,p-DDE	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.4	p,p-DDE	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.5	o,p-DDD	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.6	p,p-DDD	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.7	Isoproturon	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	USEPA 532
41.8	Alachlor	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	USEPA 525.2
41.9	Atrazine	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	USEPA 8141A
41.10	Aldrin/Dieldrin	µg/L	BQL(QL=0.01)	BQL(QL=0.01)	USEPA 508



41.11	Gamma-HCH(Lindane)	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	USEPA 508
41.12	Alpha HCH	µg/L	BQL(QL=0.005)	BQL(QL=0.005)	USEPA 508
41.13	Beta HCH	µg/L	BQL(QL=0.02)	BQL(QL=0.02)	USEPA 508
41.14	Delta HCH	µg/L	BQL(QL=0.02)	BQL(QL=0.02)	USEPA 508
41.15	Endosulfan (alpha)	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.16	Endosulfan (Beta)	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.17	Endosulfan (Sulphate)	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 508
41.18	Monocrotophos	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 8141A
41.19	Ethoin	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	UEPA 1657A
41.20	Chlorpyriphos	µg/L	BQL(QL=0.25)	BQL(QL=0.25)	USEPA 8141A
41.21	Phorate	µg/L	BQL(QL=0.1)	BQL(QL=0.1)	USEPA 8141A
41.22	Butachlor	µg/L	BQL(QL=20)	BQL(QL=20)	USEPA 8141A
41.23	Methyl Parathion	µg/L	BQL(QL=0.05)	BQL(QL=0.05)	USEPA 8141A
41.24	Malathion	µg/L	BQL(QL=0.25)	BQL(QL=0.25)	USEPA 8141A
42	Microbiological				
42.1	E.Coli (MPN/100 ml)	MPN/100ml	Absent	Absent	IS 1622
42.2	Total Coliform	MPN/100ml	Absent	Absent	IS 1622

BQL =Below Quantification Limit; NA = Not Applicable

Analysed By:

Shiyul K.B.

Approved By:

[Signature]

.....END.....





Mahan Energen Limited

Mahan Energen Limited Singraulli Site

CSR Initiatives 2022

Community Engagement Program



Stakeholder management

Stakeholder management is the process of maintaining good relationships with the people who have most impact on your work

- Adani Foundation Head Office Team Mr. C. S. Gowda (COO), Kosha Madam (HR Head), Mr. Rajesh Ranjan (State Head-Chhattisgarh) & Mr. Nitin Shiralkar Livelihood- Head) Visited at Village **Nagwa, Bandhaura, Khairahi, Karsualal & Karsuaraja**, and meet with the Stakeholder.
- Discuss with Stakeholder is an important activity that is used to gain mutual understanding of the objectives and expectations of all activities. It aids in developing a concept that will gain support from all the interested and affected activities enhancing the livelihood of a successful outcome..
- With the purpose of more valuable engagement , Better understanding of needs & relationships with stakeholders is crucial to resolving issues facing organizations

Community Engagement Program

Social Mobilization

The process of bringing together allies to raise awareness of and demand for a particular programme, to assist in the delivery of resources and services and to strengthen community participation for sustainability and self-reliance

- Social mobilization aims at empowering individuals and communities to identify their needs, their rights, and their responsibilities, change their ideas and beliefs and organize the human, material, financial and other resources required for socioeconomic development
- Mr. Debasis Das HR Visited in village Nagwa and meet with the stakeholders. Discuss with the Stakeholders to identify community priorities, resources, needs and solutions in such a way as to promote representative participation, good governance, accountability and peaceful change.



Community Engagement Program (Malaria control and elimination)

Malaria Control and Elimination Program

The goal of the **Malaria control and elimination programme** is interruption of malaria transmission, in areas where it is feasible, and elimination of malaria as a public health problem in areas where elimination is not possible the current tools.



- Sleeping under Mosquito Net is one of the best ways to prevent malaria, When mosquitoes try to bite someone sleeping under Net, they are blocked by the netting,
- The mosquito fogging operations is to kill, or 'knock-down', any adult dengue mosquitoes that may be carrying the dengue virus.
- The main objective of a mosquito net is to assess the level of ownership and utilization of mosquito nets in the following categories: All household members (including children under 5, pregnant women and other household members); Children under 5 years of age; and. Pregnant women.



Community Engagement Program

**TREE
PLANTATION AT
MEL, SINGRAULLI**

To create awareness and spread the message of saving our planet- 'Protecting our environment is the need of the hour.' to educate school students about the importance of growing trees, Trees help in reducing heat produced by industries.



Hariyali Project initiated at MEL Project area In which 05 village are engaged in this program

BANDHAURA -	300
KHAIRAH	412
KARSUALAL	512
KARSUARAJA	105
SUHIRA	101
NAGWA	532
GHUNI	40
TOTAL	2002

Total 2002 no's of sapling are distributed among villages.



Education Program



World Environment Day 2022 Celebrated in Saraswati Shishu Vidhya Mandir

Station Head Sh. Arindam Chatterjee visited at Saraswati Shishu Vidhya mandir school campus and planted some plants in school campus with students and motivated them about the importance of plants and their role in environment protection of the world.



Education Program

EDUCATION

Adani foundation focus on children and youth by providing quality education and an enabling environment for their holistic development.



Adani Foundation HO Team
Mr. C. S. Gowda (COO),
Kosha Madam (HR Head), Mr.
Rajesh Ranjan (State Head-
Chhattisgarh) & Mr. Nitin
Shiralkar (Livelihood- Head)
Visited at Saraswati Shishu
Vidhya Mandir MEL,
Singraulli & discuss with
schoolteachers about the
school development and
system of Vidhya Bharti



Education Program

Theme Day Celebration

To Promotes nationalism and patriotism towards the nation. It is one of the great days everyone remembers the sacrifices made by our freedom fighters to get Independence.

- All the teachers at the school together did the flag hoisting in which the children also participated.
- As the chief guest for the flag hoisting, the school management was done by the chairman and principal of the committee.
- On this occasion, the school children presented so many cultural program



School Cultural Program at Saraswati Shishu Mandir, Nagwa



Education Program (Ghar Ghar Tiranga)

Tiranga Yatra

This theme anchors our commemoration initiatives under Azadi Ka Amrit Mahotsav. It helps bring alive stories of unsung heroes whose sacrifices have made freedom a reality for us and revisits the milestones, freedom movements etc. in the historical journey to 15 August 1947

- Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements.
- This Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable Prime Minister Narendra Modi's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.



Education Program (Sports Activity)

National Sports day
29th August

Sports in education helps to develop mental growth and increases the power of reasoning of students. Being actively involved in sports can help students relax from their daily routine of learning syllabus and reduces exam stress.



- The day 29th Aug. commemorates the birth anniversary of Major Dhyanchand, the hockey wizard of India. The purpose behind the observance of National Sports Day is to celebrate the legacy of Major Dhyanchand while creating awareness about the need and benefits of incorporating sports and physical activities into our day to life.
- On this occasion, a 2-day inter-school game was organized in the Rehabilitation Colony, in presence of School teachers Nagwa & Village Prominent persons and awards were also given to 80 players who performed better in the game.



Community Health

MHCU

MEL, Singraulli Health Care Unit regularly running in Nagwa Village , Health care Unit provided Health Care Services to all age group at R&R Colony. Nagwa

- During the month of June 22 to September 22 Health Care Unit MEL, Singraulli treated to 6511 patients.
- Provide Ambulance facility to 323 critical patients during Emergency case-
- Facilitate 363 villagers with pathology service provided
- Haemoglobin test of 330 Adolescent girls & women.
- 96 nos. of patients avail IPD Facility at PHC, Nagwa-

Month	Village OPD			Other services				Rural Camps
	Male	Female	Total	Ambulance	Lab Test	HB Testing	IPD Cases	
April to Sept. 22	3092	3419	6511	323	363	330	96	14



Community Health

Rural Medical Camp

The main objective of a Rural medical camp is to provide initial care to people in life-threatening conditions which reflect the unique strengths and goals of medical ethics.



Ensuring better & Quality Healthcare facility to Villagers

Highlights

- During this camp provide free and high-quality medical services and complete medical checkup for the poor population.
- Pathological Test, B.P. Test, Sugar Test & Some other related test facility provide to patients during Medical Camp



Community Health

Eye Testing Camp

The main objective of the Eye testing camp is to create awareness among the people which leads an intervention to clear the backlog of avoidable blindness , helps to screen and diagnose common eye diseases,

- Adani foundation Initiated to cater eye patients through eye camp in nearby plant area , in first phase we have started this camp from Panchayat Bhawan Nagwa & Bandhaura with support of Govt. Eye doctors' team, ASHA workers, & Adani medical team
- During this camp total 120 nos of patients diagnosed and approx. 35 nos patients identified for Cataract issues, 22 nos patients found problem in eye vision and rest patients received medicines and medical team provide them precautionary method to prevent their eyes to avoid spoilage.

EYE CHECK-UP CAMP at MEL, Singrauli



Community Health

Hemoglobin & Anemia Test of Adolescent Girls for ensuring better Health



Hemoglobin & Anemia Test

A Hemoglobin test is often used to check for anemia, a condition in which our body has fewer red blood cells than normal. If have anemia, the cells in your body don't get all the oxygen they need.

- This Hemoglobin test camp was conducted in two schools of plant area, 10+2 govt. school Karsuaraja & Adani sponsor 10+2 Saraswati Shishu Mandir , Nagwa. For girls of 9th to 12th class. Total 216 adolescent girls & women test done.
- During test all the girls were given information about hemoglobin and Medical team of AF & Govt provide them basic knowledge about reason of Anemia & Provide them solutions to recover.

Community Health

Hemoglobin & Anemia Test

A Hemoglobin test is often used to check for anemia, a condition in which our body has fewer red blood cells than normal. If have anemia, the cells in your body don't get all the oxygen they need.

- This Hemoglobin test camp was conducted in nearby villages of plant area, Nagwa, Khairahi, Karsualal & Khairahi Anganwadi Kendra .
- During this program all the girls & women were given information about hemoglobin and Medical team of AF & Govt provide them basic knowledge about reason of Anemia & Provide them solutions to recover.



Community Health

Safe Menstrual Hygiene Management Awareness program

To increase awareness among adolescent girls on Menstrual Hygiene. To increase access to and use of high-quality sanitary napkins to adolescent girls in rural areas.

- Launching program of project pad initiated at Govt, 10+2 Higher Secondary High school Karsuaraja with the aim of increased awareness among adolescent girls on Menstrual Hygiene and use of high-quality sanitary napkins to adolescent girls in rural areas.
- 125 girls & women were present during this program. Health supervisor Maya Vishwakarma , Rajesh Ranjan State Head- AF, Principal Ravindra kr. Singh, other ASHA workers have given their valuable suggestion and guideline to them.



Sustainable Livelihood Development

Women Empowerment

Empowering Women with all the essential powers and authority to take every decision in life and provide equal opportunities in every field.

- Organize Women Empowerment program to promoting women's sense of self-worth, their ability to determine their own choices, and their right to influence social change for themselves and others.
- Under this awareness program, the methods of solidarity and economic empowerment of all women were removed so that all these women become financially strong themselves.
- During the meeting, plants were distributed to all the women so that they could be planted in their homes, so that their awareness could be identified.



Sustainable Livelihood Development

FGD Women Empowerment

women represent a significant portion of the nation's untapped economic potential. As such, empowering women in India through equal opportunities would allow them to contribute to the economy as productive citizens.

Women Empowerment Program
Panchayat Bhawan Khairahi



- Discuss with the women group about **based on a recognition of the importance of the roles and status of women in development process.**
- Empowering women is **essential to the health and social development of families, communities and countries.** When women are living safe, fulfilled and productive lives, they can reach their full potential. contributing their skills to the workforce and can raise happier and healthier children



Sustainable Livelihood Development

Poshan Vatika Training

To emphasis on nutritional status of adolescent girls, pregnant women, lactating mothers and children from 0-6 years age. Also improve nutritional content, delivery, outreach, and outcomes, with an emphasis on creating methods that promote health, wellbeing, and disease and malnutrition immunity.



- Organised an awareness program about Poshan Vatika in village area Anganwadi Kendra about importance and need of Poshan Vatika.
- During the awareness program, guide them the importance of nutrition and nutrients. The need for nutrients and the diseases caused by its deficiency as well as measures to avoid diseases like anemia were also explained.
- Farmers and women's groups were also encouraged to implement & Install this garden in the empty spaces around their homes.



Sustainable Livelihood Development

Organic Manure Production training

Organic manure provides all the nutrients that are required by plants but in limited quantities. It helps in maintaining C:N ratio in the soil and also increases the fertility and productivity of the soil.



- Manure contains nitrogen, phosphorus, and other nutrients that plants need to grow. Farmers can often save money by properly using manure as a fertilizer.
- In the modern era, the use of chemical fertilizers has increased a lot, due to which the food habits of the people have become bad, and their health is deteriorating.
- Training program is being organized in rural areas of nearby plant to make farmers and women aware about making organic manure and its utility.



Vermicompost Production training program at Village Khairahi

Community Infra Development

HANDPUMP REPAIRING

Hand pumps continue to be the major source of drinking water for households in rural areas,

- Handpumps are the only source of drinking water in Nagwa village, on which the lives of the villagers depend.
- There are a total of 50 handpumps in the rural area, out of which 14 nos. handpumps were defective for a long time, which was repaired by Adani and helped the villagers.



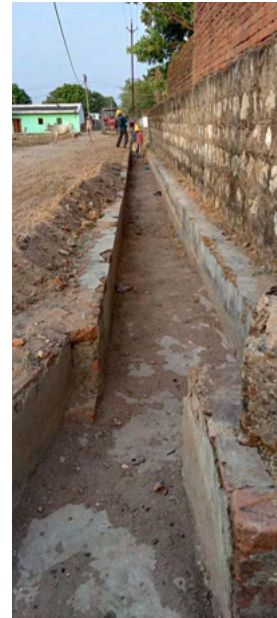
Community Infra Development

Community Infrastructure development

Adani Foundation believes in investing in promotion, protection and upgrading of physical capital, i.e., infrastructure and equipment.

Repairing of Drainage system

Drainage system cleaning before rainy Season at entire R&R colony of Nagwa with this program approx. 600 household will be benefitted and help to protect them from occurring health issues.



Community Infra Development

Community Infrastructure development

Adani Foundation believes in investing in promotion, protection and upgrading of physical capital, i.e., infrastructure and equipment.

Repairing of Village Road & Drainage system

Road & Drainage system cleaning before rainy Season at entire R&R colony of Khairahi & Nagwa with this program approx. 2100 household will be benefitted and help to protect them from occurring health issues.



under SUGAM PATH projects going to repair Road & Drainage of Near by plant area villages at MEL, Singraulli.

Media Release Clips

अदाणी फाउंडेशन का माहवारी स्वास्थ्य एवं जागरूकता अभियान ' प्रोजेक्ट पैड ' के तहत सेनेटरी पैड का किया वितरण



न्यायिक भारत सिंगरीली। समाज में फैंली मासिक धर्म सम्बन्धी गलत अवधारणाओं को दूर करने के साथ ही महिलाओं और किशोरियों को माहवारी प्रबंधन सम्बन्धी सही जानकारी देने के उद्देश्य से अदाणी फाउंडेशन ने महान इनर्जन लिमिटेड के सहयोग से 'प्रोजेक्ट पैड' की आज शुरुआत की है। सिंगरीली जिला के कर्तुआराजा गांव स्थित शासकीय उच्च माध्यमिक विद्यालय में आयोजित इस कार्यक्रम को आपस के 10 गांव के करीब 125 स्थानीय महिलाओं और किशोरियों ने हिस्सा लेकर सफल बनाया। इस मौके पर

शासकीय उच्च माध्यमिक विद्यालय के प्रभारी प्राचार्य श्री रवि प्रताप सिंह, चौरा के सेक्टर सुपरवाइजर श्रीमती माया विश्वकर्मा, आशा सुपरवाइजर श्रीमती प्रेमलता जायसवाल, आशा कार्यकर्ता श्रीमती प्रमिला जायसवाल, श्रीमती सुशिल्पा साह, आंगनवाड़ी कार्यकर्ता श्रीमती आराधना गुप्ता, अजाविका मिशन कार्यकर्ता श्रीमती आराधना गुप्ता, अदाणी फाउंडेशन के श्री राजेश रंजन ने अपनी उपस्थिति से कार्यक्रम को सफल बनाने में विशेष योगदान दिया। मिथक व वर्जनाएं, मासिक धर्म के दौरान साफ-सफाई के लिए जरूरी प्रोडक्ट्स तक सीमित

पहुंच और खराब स्वच्छता अवसरचना की वजह से सुदूर ग्रामीण क्षेत्रों में महिलाओं और किशोरियों के शैक्षिक अवसर, स्वास्थ्य और सामाजिक स्थिति पर गहरा असर पड़ रहा है। अदाणी फाउंडेशन महान इनर्जन लिमिटेड के सहयोग से अभियान 'प्रोजेक्ट पैड' के तहत ऐसी समाज की परिकल्पना करता है जहां प्राकृतिक मासिक धर्म की वजह से कोई कोई भी किशोरी या महिला पीछे न छूट जाये, और जहां मासिक धर्म से जुड़े मिथक व वर्जनाएं न हो। सामुदायिक जागरूकता बढ़ाकर और मासिक धर्म के दौरान साफ-सफाई के लिए जरूरी प्रोडक्ट्स की

आपूर्ति का समर्थन करके, इस सोप में बदलाव लाना संभव है ताकि महिलाओं एवं किशोरियों की जिवनी संवारने में मदद हो। इस कार्यक्रम में प्रोजेक्ट प्रभावित 10 गांवों कर्तुआलाल, कर्तुआराजा, चौरा, कथूरा, रैला, बेतरिया, चुरुवाही, सुगीता, धुनी और नगावा के करीब 125 महिलाओं और किशोरियों के बीच माहवारी स्वास्थ्य एवं जागरूकता अभियान के तहत मुफ्त सेनेटरी पैड का वितरण किया गया। इस मौके पर उपस्थित चौरा के स्वास्थ्य विभाग की सेक्टर सुपरवाइजर श्रीमती माया विश्वकर्मा ने मासिक धर्म से सम्बन्धित समस्याओं और माहवारी स्वास्थ्य

से सम्बन्धित विस्तृत जानकारी दी और सेनेटरी पैड के इस्तेमाल के फायदे से अवगत कराया। इस अभियान में स्थानीय महिलाओं की भागीदारी की प्रक्रिया तेज करने के लिए आशा कार्यकर्ताओं से भी बात की गयी।

अदाणी फाउंडेशन के बारे में 1996 में स्थापित, अदाणी फाउंडेशन वर्तमान में 18 राज्यों में सक्रिय है, जिसमें देश भर के 2250 गांव और कस्बे शामिल हैं। फाउंडेशन के पास प्रोफेशनल लोगों की टीम है, जो नवाचार, जन भागीदारी और सहयोग की भावना के साथ काम करती है। वार्षिक रूप से 3.2 मिलियन से अधिक लोगों के जीवन को प्रभावित करते हुए अदाणी फाउंडेशन चार प्रमुख क्षेत्रों- शिक्षा, सामुदायिक स्वास्थ्य, सतत आजीविका विकास और बुनियादी ढांचे के विकास, पर ध्यान केंद्रित करने के साथ सामाजिक पूंजी बनाने की दिशा में काम करता है। अदाणी फाउंडेशन ग्रामीण और शहरी समुदायों के समावेशी विकास और टिकाऊ प्रगति के लिए कार्य निरमाण में अपना योगदान देता है।

अदाणी फाउंडेशन का माहवारी स्वास्थ्य एवं जागरूकता अभियान प्रोजेक्ट पैड के तहत सेनेटरी पैड का किया वितरण



विश्व चेतना, सिंगरीली। समाज में फैंली मासिक धर्म सम्बन्धी गलत अवधारणाओं को दूर करने के साथ ही महिलाओं और किशोरियों को माहवारी प्रबंधन सम्बन्धी सही जानकारी देने के उद्देश्य से अदाणी फाउंडेशन ने महान इनर्जन लिमिटेड के सहयोग से 'प्रोजेक्ट पैड' की आज शुरुआत की है। सिंगरीली जिला के कर्तुआराजा गांव स्थित शासकीय उच्च माध्यमिक विद्यालय में आयोजित इस कार्यक्रम को आपस के 10 गांव के करीब 125 स्थानीय महिलाओं और किशोरियों ने हिस्सा लेकर सफल बनाया। इस मौके पर शासकीय उच्च माध्यमिक विद्यालय के प्रभारी प्राचार्य श्री रवि प्रताप सिंह, चौरा के सेक्टर सुपरवाइजर श्रीमती माया विश्वकर्मा, आशा सुपरवाइजर श्रीमती प्रेमलता जायसवाल, आशा कार्यकर्ता श्रीमती प्रमिला जायसवाल, श्रीमती सुशिल्पा साह, आंगनवाड़ी कार्यकर्ता श्रीमती आराधना गुप्ता, अजाविका मिशन कार्यकर्ता श्रीमती आराधना गुप्ता, अदाणी फाउंडेशन के श्री राजेश रंजन ने अपनी उपस्थिति से कार्यक्रम को सफल बनाने में विशेष योगदान दिया।

मिथक व वर्जनाएं, मासिक धर्म के दौरान साफ-सफाई के लिए जरूरी प्रोडक्ट्स तक सीमित पहुंच और खराब स्वच्छता अवसरचना की वजह से सुदूर ग्रामीण क्षेत्रों में महिलाओं और किशोरियों के शैक्षिक अवसर, स्वास्थ्य और सामाजिक स्थिति पर गहरा असर पड़ रहा है। अदाणी फाउंडेशन महान इनर्जन लिमिटेड के सहयोग से अभियान 'प्रोजेक्ट पैड' के तहत ऐसी समाज की परिकल्पना करता है जहां प्राकृतिक मासिक धर्म की वजह से कोई कोई भी किशोरी या महिला पीछे न छूट जाये, और जहां मासिक धर्म से जुड़े मिथक व वर्जनाएं न हो। सामुदायिक जागरूकता

बढ़ाकर और मासिक धर्म के दौरान साफ-सफाई के लिए जरूरी प्रोडक्ट्स की आपूर्ति का समर्थन करके, इस सोप में बदलाव लाना संभव है ताकि महिलाओं एवं किशोरियों की जिवनी संवारने में मदद हो। इस कार्यक्रम में प्रोजेक्ट प्रभावित 10 गांवों कर्तुआलाल, कर्तुआराजा, चौरा, कथूरा, रैला, बेतरिया, चुरुवाही, सुगीता, धुनी और नगावा के करीब 125 महिलाओं और किशोरियों के बीच माहवारी स्वास्थ्य एवं जागरूकता अभियान के तहत मुफ्त सेनेटरी पैड का वितरण किया गया। इस मौके पर उपस्थित चौरा के स्वास्थ्य विभाग की सेक्टर सुपरवाइजर श्रीमती माया विश्वकर्मा ने मासिक धर्म से सम्बन्धित समस्याओं और माहवारी स्वास्थ्य से सम्बन्धित विस्तृत जानकारी दी और सेनेटरी पैड के इस्तेमाल के फायदे से अवगत कराया। इस अभियान में स्थानीय महिलाओं की भागीदारी की प्रक्रिया तेज करने के लिए आशा कार्यकर्ताओं से भी बात की गयी। 1996 में स्थापित, अदाणी फाउंडेशन वर्तमान में 18 राज्यों में सक्रिय है, जिसमें देश भर के 2250 गांव और कस्बे शामिल हैं। फाउंडेशन के पास प्रोफेशनल लोगों की टीम है, जो नवाचार, जन भागीदारी और सहयोग की भावना के साथ काम करती है। वार्षिक रूप से 3.2 मिलियन से अधिक लोगों के जीवन को प्रभावित करते हुए अदाणी फाउंडेशन चार प्रमुख क्षेत्रों- शिक्षा, सामुदायिक स्वास्थ्य, सतत आजीविका विकास और बुनियादी ढांचे के विकास, पर ध्यान केंद्रित करने के साथ सामाजिक पूंजी बनाने की दिशा में काम करता है। अदाणी फाउंडेशन ग्रामीण और शहरी समुदायों के समावेशी विकास और टिकाऊ प्रगति के लिए कार्य करता है, और इस तरह, राष्ट्र-निर्माण में अपना योगदान देता है।

Media Release Clips

अदाणी फाउंडेशन का एनीमिया मुक्त समाज बनाने की विशेष पहल

116 किशोरियों की निःशुल्क रक्त जांच हुई

स्टार समाचार | सिंगरौली

अदाणी फाउंडेशन द्वारा महान इनर्जन लिमिटेड के सहयोग से प्रोजेक्ट प्रभावित सिंगरौली जिला के नगवा और कर्सुआ राजा गांव स्थित सरस्वती शिशु विद्या मंदिर और शासकीय उच्च माध्यमिक विद्यालय में हिमोग्लोबिन जांच एवं एनीमिया जागरूकता शिविर का सफल आयोजन किया गया। इस दौरान 116 किशोरियों का निःशुल्क रक्त जांच किया गया और उन्हें चिकित्सकीय आवश्यक सलाह दी गयी। महान इनर्जन लिमिटेड की मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी टीम की उपस्थिति में कार्यक्रम संचालन अदाणी फाउंडेशन और सीएसआर टीम के द्वारा किया गया। किशोरियों में माहवारी की शुरूआत होती है और पौष्टिक भोजन



नहीं मिलने के कारण वो एनीमिया की शिकार हो जाती हैं। इस मौके पर एनीमिया जैसे बीमारियों की रोकथाम के लिए किशोरियों को पौष्टिक भोजन करने की सलाह दी गयी। जिससे उनके शरीर में पोषक तत्वों की कमी को दूर किया जा

सके। अदाणी फाउंडेशन द्वारा एनीमिया जागरूकता अभियान के प्रथम चरण में प्रोजेक्ट से प्रभावित सभी ग्रामीण विद्यालयों में मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी टीम के सहयोग से किशोरियों और ग्रामीण

महिलाओं के लिए रक्त जांच शिविर का आयोजन किया जायेगा। दूसरे चरण में सभी एनीमिया ग्रस्त किशोरियों और स्थानीय ग्रामीण महिलाओं को चिकित्सकीय सलाह के साथ-साथ निःशुल्क दवा का वितरण किया जायेगा। इसके साथ ही पोषण वाटिका के माध्यम से ग्रामीण महिलाओं को बताया जायेगा कि किस तरह वो हरी सब्जियां, फलों और पत्तियों वाली सब्जियों का नियमित रूप से सेवन कर सकती हैं और पौष्टिक आहार के माध्यम से स्वस्थ रह सकती हैं। कार्यक्रम में प्रोजेक्ट प्रभावित नगवा, कर्सुआ, बंधौरा, खैराही गांवों में भी किया जायेगा ताकि काफी संख्या में स्थानीय किशोरियां और महिलाएं लाभान्वित हो सकें। कार्यक्रम का संचालन अदाणी फाउंडेशन के मनोज प्रभाकर के द्वारा किया गया।

एनीमिया की जांच के लिए शिविर



पत्रिका न्यूज नेटवर्क

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सिंगरौली . अदाणी फाउंडेशन की ओर से नगवा और कर्सुआ राजा गांव स्थित सरस्वती शिशु विद्या मंदिर और शासकीय उच्च माध्यमिक विद्यालय में हिमोग्लोबिन जांच व एनीमिया जागरूकता शिविर का आयोजन किया गया। शिविर में 116 किशोरियों का निःशुल्क रक्त जांच किया गया। इस दौरान किशोरियों में

खून की कमी होने की वजह व उपाय के जानकारी भी दी गई शिविर में दवा का भी निःशुल्क वितरण किया गया। शिविर में सीआरपी श्यामदास साह, आशा कार्यकर्ता प्रेमलता प्रमिला सतकुमारी, विद्यालय के प्रभारी रवि प्रताप सिंह, फतेह बहादुर त्रिपाठी लैब टेक्नीशियन राजपति साह और पल्लवी कुमारी की भूमिका महत्वपूर्ण रही।

Media Release Clips



बंधौरा में आयोजित हुए अदानी फाउंडेशन के स्वास्थ्य शिविर में 39 लोगों की निःशुल्क जांच

■ गांववासियों को बेहतर स्वास्थ्य सेवा के साथ अच्छी सुविधाएं उपलब्ध कराने का दिया गया भरोसा

विशेष संवाददाता | सिंगरौली (वैदैन)

सामाजिक दायित्वों के निर्वहन के क्रम में अदानी विद्युत परियोजना महान इनर्जेन लिमिटेड के सीएसआर विभाग की ओर से बुधवार को प्लांट के समीपवर्ती गांव बंधौरा में स्वास्थ्य शिविर का आयोजन किया गया। इस दौरान 39 ग्रामीणों की निःशुल्क स्वास्थ्य जांच करने के

साथ उनमें दवा वितरित की गई। इसके पहले बंधौरा पंचायत भवन में आयोजित हेल्थ कैम्प का पूर्व सरपंच समाजसेवी आशीष शुक्ला ने फीता काटकर शुभारंभ किया। इस दौरान अदानी फाउंडेशन के अधिकारी मनोज प्रभाकर ने ग्रामीणों को विश्वास दिलाया कि कंपनी सभी गांववासियों को बेहतर स्वास्थ्य सेवा एवं अच्छी सुविधा उपलब्ध कराएगी। ग्रामीण बच्चों, महिलाओं युवाओं और अन्य सभी आयु वर्ग के लोगों के सर्वांगीण विकास में कंपनी महत्वपूर्ण भूमिका निभाते हुए सकारात्मक सहयोग देगी। ऐसी ही अपेक्षा उन्होंने ग्रामीणों से भी की।

उन्होंने कहा कि शिक्षा व स्वास्थ्य पर ध्यान देते हुए कंपनी विकासपरक कई अच्छे व सफल कार्यक्रम भी आयोजित करेगी, जिससे अधिक संख्या में ग्रामीणजन लाभान्वित हो सकेंगे। कैम्प में आए 39 मरीजों को मुफ्त जांच संग दवा दी गई। साथ ही उन्हें आगे भी स्वास्थ्य सेवा देने का भरोसा दिया गया। अदानी फाउंडेशन के हेल्थ कैम्प को सफल बनाने में कंपनी की स्वास्थ्य टीम से अभियेक सिंह, फार्मासिस्ट कमलेश कुमार, नर्स पल्लवी और वीरेंद्र कुमार के साथ-साथ ग्रामीण के रूप में उमेश कुमार का महत्वपूर्ण योगदान रहा।

पर्यावरण संरक्षण के लिए अदानी फाउंडेशन ने भी शुरू किया पौधरोपण अभियान

अपने पावर प्लांट के आसपास के ग्रामीण क्षेत्रों में पंचायत प्रतिनिधियों के साथ मिलकर की गई शुरुआत

विशेष संवाददाता | सिंगरौली (वैदैन)



सामाजिक उत्तरदायित्व के तहत लोगों के उत्थान में जुटे अदानी फाउंडेशन महान इनर्जेन लि. ने हरियाली अभावस्था के तहत गुरुवार को पर्यावरण संरक्षण के उद्देश्य से पौधरोपण अभियान की शुरुआत की। इस क्रम में अपने पावर प्लांट के आसपास स्थित ग्रामीण क्षेत्र में वृहद स्तर पर पौधे रोपे जाएंगे। पंचायत समिति सदस्यों, सरपंच, पंच, आंगनबाड़ी व आशा कार्यकर्ताओं के साथ अभियान की शुरुआत करते हुए कई पौधे रोपे गए। अदानी फाउंडेशन सिंगरौली सीएसआर प्रभारी मनोज प्रभाकर ने बताया कि महान इनर्जेन लिमिटेड से संबंधित पंचायत क्षेत्र नगवां, बंधौरा, खैराही व कसुआ में बड़े पैमाने पर पौधे लगाए गए। इस मुहिम के तहत आसपास के इलाकों के महिला समूहों को सहज के 550 पौधे भी वितरित किए गए हैं।

गुरुवार को बंधौरा व खैराही पंचायत के पंचायत भवन, आंगनबाड़ी केंद्र व स्कूल परिसर में पौधरोपण किया गया। इस दौरान मनोज प्रभाकर ने कहा कि पेड़-पौधे हमारी जीवनधारा हैं। इनके कारण ही हमारा अस्तित्व है। आज जलवायु परिवर्तन के दुष्प्रभाव से असमय वर्षा, तेज गर्मी व धूप, सूखे आदि की हो रही समस्या बताती है कि हम सब प्रकृति की सुरक्षा और संरक्षण में लापरवाही कर रहे हैं। यदि पर्यावरण संरक्षण के प्रति गंभीर होते तो ऐसी समस्याएं न होतीं। कहा कि सभी सरपंच व पंच अपने गांव में हर परिवार को एक पौधा लगाने के लिए प्रेरित करें। इसके अलावा हर शुभ अवसर पर मिलजुल कर सार्वजनिक स्थानों, मंदिर, विद्यालय

के परिसर, पंचायत भवन प्रांगण में भी पौधे लगाएं। उन्होंने कहा कि अदानी फाउंडेशन प्लांट से संबंधित सभी पंचायतों, स्कूलों में बच्चों के साथ मिलकर पौधा-प्रकृति-पर्यावरण सुरक्षा का जागरूकता कार्यक्रम

संचालित करेगा। उन्होंने बच्चों से अपने घर के आसपास के पेड़-पौधों की सुरक्षा करने की अपील करते हुए कहा कि पौधरोपण अभियान सतत रूप से चलता रहेगा। इसमें ग्रामीणों को पौधरोपण के लिए प्रेरित किया जाएगा।

नाम सुधार सूचना

मैं कि ददोले चमार पिता लक्ष्मण चमार

Media Release Clips

अदाणी फाउंडेशन द्वारा निःशुल्क एनीमिया जांच और जागरूकता शिविर का हुआ आयोजन



हीरावती सिंगरौली। बीते दिवस सिंगरौली और आसपास के सुदूर गांवों में स्वास्थ्य सम्बन्धित जागरूकता लाने और एनीमिया उन्मूलन के लिए महान इनर्जेंट लिमिटेड के सहयोग से अदाणी फाउंडेशन ने बुधवार को एक स्वास्थ्य शिविर का आयोजन किया। प्रोजेक्ट प्रभावित कर्सुआलाल और खैराही गांव में लगाए गए शिविरों में करीब 60 स्थानीय महिलाओं और किशोरियों ने अपने हीमोग्लोबिन और एनीमिया से सम्बन्धित जांच करवायी। इस कैंप में रक्त की कमी से होनेवाली एनीमिया रोग के कारण एवं बचाव से सम्बन्धित उच्चतम मार्गदर्शन और परामर्श दिया गया ताकि समय रहते ही दवाइयां इत्यादि लेकर खून की कमी को दूर कर सकें। इस मौके पर उपस्थित मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी कार्यकर्ता की टीम ने एकत्र स्थानीय महिलाओं और किशोरियों को एनीमिया से बचाव के लिए पौष्टिक

आहार लेने के प्रति जागरूक करते हुए सलाह दी कि हर 6 महीने में हीमोग्लोबिन की जांच करवानी चाहिए तथा संतुलित आहार का प्रयोग करना चाहिए। गौरतलब है कि महान इनर्जेंट लिमिटेड प्रोजेक्ट से प्रभावित गांवों में अदाणी फाउंडेशन द्वारा एनीमिया जागरूकता अभियान को एक मुहिम के तौर पर चलाया जा रहा है जिसके अंतर्गत मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी टीम के सहयोग से किशोरियों और ग्रामीण महिलाओं के लिए निःशुल्क रक्त जांच शिविर का आयोजन दवा का वितरण किया जा रहा है। इसके साथ ही स्थानीय महिलाओं को जागरूक किया जा रहा है कि किस तरह वो हरी सब्जियां, फलों और पत्तियों वाली सब्जियों का नियमित रूप से सेवन कर सकती हैं जिससे उनके शरीर में पोषक तत्वों की कमी को दूर किया जा सके। कार्यक्रम का संचालन सीएसआर

के श्री मनोज प्रभाकर के द्वारा किया गया जहां प्रेमलता जायसवाल और कुसुमकली सिंह (आशा कार्यकर्ता), चम्पा देवी, केस कुमारी, सीता सिंह, लीलावती सिंह और रविता गुप्ता (आंगनवाड़ी कार्यकर्ता), राजपति, पल्लवी कुमारी, सत कुमारी जायसवाल और कमलेश कुमारी (मेडिकल टीम), मणिलाल प्रजापति, सरपंच, कर्सुआलाल, सुनील जायसवाल, उप सरपंच, कर्सुआलाल के साथ-साथ गांव के प्रमुख लोगों में सोहन लाल जायसवाल, सोहनलाल गुप्ता, ओमप्रकाश जायसवाल और प्रोजेक्ट ऑफिसर ब्रह्म पण्डेय की उपस्थिति में कार्यक्रम को सफल बनाया।

अदाणी फाउंडेशन के बारे में - 1996 में स्थापित, अदाणी फाउंडेशन वर्तमान में 18 राज्यों में सक्रिय है, जिसमें देश भर के 2250 गांव और कस्बे शामिल हैं। फाउंडेशन के पास प्रोफेशनल लोगों की टीम है, जो नवाचार, जन भागीदारी और सहयोग की भावना के साथ काम करती है। वार्षिक रूप से 3.2 मिलियन से अधिक लोगों के जीवन को प्रभावित करते हुए अदाणी फाउंडेशन चार प्रमुख क्षेत्रों - शिक्षा, सामुदायिक स्वास्थ्य, सतत आजीविका विकास और बुनियादी ढांचे के विकास, पर ध्यान केंद्रित करने के साथ सामाजिक पूंजी बनाने की दिशा में काम करता है। अदाणी फाउंडेशन ग्रामीण और शहरी समुदायों के समावेशी विकास और टिकाऊ प्रगति के लिए कार्य करता है, और इस तरह, राष्ट्र-निर्माण में अपना योगदान देता है।

60 महिलाओं व किशोरियों की कराई हीमोग्लोबिन और एनीमिया की जांच

भाखर न्यूज | सिंगरौली (कैदर)

जिले के सुदूर गांवों में स्वास्थ्य सम्बन्धित जागरूकता लाने और एनीमिया उन्मूलन के लिए महान इनर्जेंट लिमिटेड के सहयोग से अदाणी फाउंडेशन ने बुधवार को एक स्वास्थ्य शिविर का आयोजन किया। प्रोजेक्ट प्रभावित कर्सुआलाल और खैराही गांव में लगाये गये शिविरों में करीब 60 स्थानीय महिलाओं और किशोरियों ने अपने हीमोग्लोबिन और एनीमिया से सम्बन्धित जांच करवायी। इस कैंप में रक्त की कमी से होने वाली एनीमिया रोग के कारण एवं बचाव से सम्बन्धित उचित मार्गदर्शन और परामर्श दिया गया ताकि समय रहते ही दवाइयां इत्यादि लेकर खून की कमी को दूर कर सकें। इस मौके पर उपस्थित मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी कार्यकर्ता की टीम ने एकत्र स्थानीय महिलाओं और किशोरियों को एनीमिया से बचाव के लिए पौष्टिक आहार लेने के प्रति जागरूक किया। सलाह दी कि हर 6 महीने में हीमोग्लोबिन की जांच



करवाये तथा संतुलित आहार का प्रयोग करें। गौरतलब है कि महान इनर्जेंट लिमिटेड प्रोजेक्ट से प्रभावित गांवों में अदाणी फाउंडेशन द्वारा एनीमिया जागरूकता अभियान को एक मुहिम के तौर पर चलाया जा रहा है, जिसके अंतर्गत मेडिकल टीम, आशा कार्यकर्ता और आंगनवाड़ी टीम के सहयोग से किशोरियों और ग्रामीण महिलाओं के लिए निःशुल्क रक्त जांच शिविर का आयोजन दवा का वितरण किया जा रहा है। इसके साथ ही स्थानीय



महिलाओं को जागरूक किया जा रहा है कि किस तरह वो हरी सब्जियां, फलों और पत्तियों वाली सब्जियों का नियमित रूप से सेवन कर सकती हैं, जिससे उनके शरीर में पोषक तत्वों की कमी को दूर किया जा सके।

अदाणी फाउंडेशन ने लगाया कर्सुआलाल व खैराही में निःशुल्क शिविर

इनका रहन योगदान

कार्यक्रम का संचालन सीएसआर के मनोज प्रभाकर के द्वारा किया गया, जहां प्रेमलता जायसवाल और कुसुमकली सिंह आशा कार्यकर्ता, चम्पा देवी, केस कुमारी, सीता सिंह, लीलावती सिंह और रविता गुप्ता आंगनवाड़ी कार्यकर्ता, राजपति, पल्लवी कुमारी, सत कुमारी जायसवाल और कमलेश कुमारी मेडिकल टीम, मणिलाल प्रजापति सरपंच कर्सुआलाल, सुनील जायसवाल उप सरपंच, के साथ-साथ गांव के प्रमुख लोगों में सोहन लाल जायसवाल, सोहनलाल गुप्ता, ओमप्रकाश जायसवाल और प्रोजेक्ट ऑफिसर ब्रह्म पण्डेय कार्यक्रम में मौजूद रहे।

Media Release Clips

अदाणी फाउंडेशन द्वारा निःशुल्क स्वास्थ्य शिविर का हुआ आयोजन

गुड मॉर्निंग, सिंगरौली। सुदूर ग्रामीण क्षेत्रों में जल्दतरमर्दों के बीच स्वास्थ्य सम्बन्धी समस्याओं के समाधान के लिए सिंगरौली जिला स्थित अदाणी समूह के महान इनर्जन लिमिटेड के सहयोग से बंधौरा गांव में अदाणी फाउंडेशन द्वारा गुरुवार को निःशुल्क बृहद स्वास्थ्य शिविर का आयोजन किया गया।

बंधौरा गांव के शासकीय मध्य विद्यालय में आयोजित इस कैम्प में मेडिकल टीम, आशा कार्यकर्ता और आंगबाड़ी कार्यकर्ता के मदद से 150 स्थानीय रोगियों का इलाज कर उन्हें निःशुल्क दवाइयां दी गईं। इस शिविर में सामान्य रोगों के अलावा 22 गर्भवती महिलाओं की स्वास्थ्य परीक्षण कर उनका हीमोग्लोबिन जांच किया गया और आवश्यक दवाइयां दी गयीं। इसके साथ ही इस शिविर में नेत्र रोग विशेषज्ञ द्वारा 68 नेत्र रोगियों की भी जांच की गयी जिसमें 22 मरीज मोतियाबिंद के पाए गए। इस स्वास्थ्य जांच शिविर में पहुंचे सभी मरीजों का इलाज कर उन्हें निःशुल्क दवाइयां बांटी गयीं। इस स्वास्थ्य परीक्षण शिविर में अमीनिया स्वास्थ्य केंद्र की प्रमुख डॉ अचला नेत्र



रोग विशेषज्ञ डॉ हरीश कुमार और डॉ कौशल राठौर की मौजूदगी में आशा कार्यकर्ता और आंगबाड़ी कार्यकर्ताओं की टीम ने मरीजों की जांच और दवाइयों के वितरण में सक्रिय भूमिका निभाई। कार्यक्रम का आयोजन सीएसआर के मनोज प्रभाकर के नेतृत्व में किया गया जहाँ बंधौरा पंचायत के सरपंच पति बबुल सिंह, उपसरपंच पति सुनील

सिंह, पंचायत सचिव जीत नारायण सिंह और शासकीय मध्य विद्यालय के प्रभारी प्रधानाध्यापक शिवनंदन शाह और प्रोजेक्ट ऑफिसर ऋषभ पाण्डेय को उपस्थिति ने कार्यक्रम को सफल बनाया। अदाणी फाउंडेशन द्वारा महान इनर्जन लिमिटेड के सहयोग से सुदूर गांवों में इस तरह के शिविर का आयोजन कर स्वास्थ्य सम्बन्धी जागरूकता पैदा करना चाहती है।

स्वास्थ्य शिविर

150 ने लिया चिकित्सकीय परामर्श



सिंगरौली @ पत्रिका. ग्रामीण क्षेत्रों में स्वास्थ्य संबंधित समस्याओं के समाधान के लिए अदाणी समूह के महान इनर्जन लिमिटेड के सहयोग से बंधौरा गांव में निःशुल्क बृहद स्वास्थ्य शिविर का आयोजन किया गया। शासकीय विद्यालय में आयोजित शिविर में मेडिकल टीम, आशा कार्यकर्ता और आंगबाड़ी कार्यकर्ता की मदद से 150 ग्रामीणों ने चिकित्सीय परामर्श दिया। मरीजों को निःशुल्क दवा भी उपलब्ध कराई गई। शिविर में सामान्य रोगों के अलावा 22 गर्भवती महिलाओं का स्वास्थ्य परीक्षण कर

उनका हीमोग्लोबिन जांच किया गया और आवश्यक दवा दी गयी। शिविर में नेत्र रोग विशेषज्ञ द्वारा 68 नेत्र रोगियों की भी जांच की गई। इसमें 22 मरीज मोतियाबिंद के मरीज पाए गए। शिविर में स्वास्थ्य केंद्र की प्रमुख डॉ. अचला, डॉ. हरीश और डॉ. कौशल राठौर ने परीक्षण किया। इस मौके पर सीएसआर के मनोज प्रभाकर, बबुल सिंह, सुनील सिंह, पंचायत सचिव जीत नारायण सिंह और विद्यालय के प्रभारी प्रधानाध्यापक शिवनंदन शाह और प्रोजेक्ट ऑफिसर ऋषभ पाण्डेय उपस्थित थे।

9:14 am



ADANI MAHAN ENERGEN LIMITED (2X600 MW)

WEATHER MONITOING DATA FOR THE MONTH OF APRIL-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-Apr-22	30.54	260.35	12.27	161.21
2-Apr-22	30.92	267.08	8.5	146.07
3-Apr-22	29.53	259.2	9.86	165.66
4-Apr-22	29.84	259.8	9.1	166.16
5-Apr-22	30.32	221.91	8.01	157.23
6-Apr-22	30.14	284.26	8.82	150.12
7-Apr-22	30.1	255.86	8.53	143.88
8-Apr-22	30.21	235.07	8.62	163.18
9-Apr-22	30.32	176.14	8.24	154.09
10-Apr-22	31.27	294.95	8.23	144.94
11-Apr-22	31.95	257.65	7.96	151.91
12-Apr-22	30.76	228.89	8.94	110.31
13-Apr-22	33.06	281.06	8.83	135.72
14-Apr-22	34.87	266.64	7.57	144.3
15-Apr-22	32.49	252.53	8	151.7
16-Apr-22	31.82	266.46	8.33	141.09
17-Apr-22	32.5	209.07	7.69	157.66
18-Apr-22	32.56	198.15	7.67	155.02
19-Apr-22	33.5	258.89	8.17	134.51
20-Apr-22	33.71	282.86	8.09	141.83
21-Apr-22	32.87	137.55	8.56	126.42
22-Apr-22	32.65	207.72	12.85	144.92
23-Apr-22	32.48	279.98	10.38	161.65
24-Apr-22	32.32	265.7	7.92	157.28
25-Apr-22	32.04	262.2	7.87	159.84
26-Apr-22	32.32	253	7.84	142.8
27-Apr-22	33.55	267.66	8.09	145.4
28-Apr-22	33.84	245.5	7.54	150
29-Apr-22	34.48	247.12	7.67	144.07
30-Apr-22	35.68	241.92	6.87	123.97

WEATHER MONITOING DATA FOR THE MONTH OF MAY-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-May-22	33.7	178.37	14.48	141.32
2-May-22	32.65	200.57	9.8	126.72
3-May-22	34.43	193.61	10.56	144.81
4-May-22	32.32	178.8	17.95	132.56
5-May-22	29.58	131.16	21.78	154.5
6-May-22	32.16	199.44	15.01	142.68
7-May-22	32.16	155.17	11.57	150.27
8-May-22	32.82	99.47	10.58	147.76
9-May-22	32.77	75.59	14.05	142.24
10-May-22	33.1	71.24	14.39	142.56
11-May-22	34.28	218.5	14.69	124.1
12-May-22	34.46	251.89	13.49	125.44
13-May-22	35.05	264.67	14.95	135.11
14-May-22	37	243.75	8.35	154.72
15-May-22	37.59	249.83	7.67	145.31
16-May-22	36.87	241.73	7.81	143.34
17-May-22	36.37	225.18	7.56	151.61
18-May-22	35.49	182.04	7.5	159.91
19-May-22	36.7	245.42	8.58	177.14
21-May-22	36.79	248.02	8.59	118.53
22-May-22	30.07	215.35	25.71	149.69
23-May-22	29.27	173.59	26.36	146.84
24-May-22	28.79	208.9	21.65	152.08
25-May-22	29.92	263.5	18.84	155.49
26-May-22	31.82	278.4	14.2	155.9
27-May-22	33.09	230.18	10.26	133.5
28-May-22	32.07	223.22	13.61	154.07
29-May-22	29.96	234.06	22.76	127.22
30-May-22	32.8	250.86	16.74	157.37
31-May-22	33.4	251.40	15.41	155.43

WEATHER MONITOING DATA FOR THE MONTH OF JUNE-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-Jun-22	34.5	182.87	12	170.9
2-Jun-22	34.31	202.77	13.26	147.6
3-Jun-22	35.17	302.93	9.56	166.61
4-Jun-22	34.38	279.69	8.5	96.36
5-Jun-22	34.94	142.15	8.27	135.63
6-Jun-22	35.31	176.62	8.14	135.36
7-Jun-22	35.81	238.61	8.35	146.27
8-Jun-22	35.57	274.11	7.72	117.04
9-Jun-22	36.27	270.02	7.76	133.54
10-Jun-22	37.31	264.12	7.58	118.48
11-Jun-22	37.36	266.31	7.69	138.04
12-Jun-22	36.81	240.86	8.38	148.94
13-Jun-22	33.37	245.41	15.56	98.17
14-Jun-22	35.85	262.38	10.87	166.42
15-Jun-22	30.91	246.58	23.91	102.83
16-Jun-22	28.52	248.36	30.45	49.11
17-Jun-22	28.84	224.38	31.62	57.55
18-Jun-22	27.98	223.14	35.88	100.28
19-Jun-22	30.47	244.76	24.69	179.01
20-Jun-22	29.64	260.43	25.85	159.6
21-Jun-22	30.98	251.29	19.22	179.14
22-Jun-22	31.86	176.27	18.65	181.84
23-Jun-22	30.3	225.66	26.72	114.27
24-Jun-22	31.03	146.19	27.14	119.21
25-Jun-22	28.85	142	42.84	135.2
26-Jun-22	28.85	118.78	45.56	107.02
27-Jun-22	30.71	150.13	31.83	113.82
28-Jun-22	31.85	199.37	26.21	110.42
29-Jun-22	28.28	216.57	51.34	88.82
30-Jun-22	28.78	152.09	49.09	90.87

WEATHER MONITOING DATA FOR THE MONTH OF JULY-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-Jul-22	28.92	205.14	38.12	108.42
2-Jul-22	28.38	224.18	42.68	81.99
3-Jul-22	28.95	228.12	42.25	107.6
4-Jul-22	28.42	139.72	53.14	136.8
5-Jul-22	29.44	109.34	43.73	163.89
6-Jul-22	30.11	104.88	36.91	158.18
7-Jul-22	29.55	85.95	37.7	139.38
8-Jul-22	31.87	100.33	28.96	189.86
9-Jul-22	31.51	91.09	26.25	176.56
10-Jul-22	31.1	74.13	24.82	168.92
11-Jul-22	30.41	73.42	27.07	125.08
12-Jul-22	30.3	72.95	31.78	157.56
13-Jul-22	30.33	73.7	26.2	117.21
14-Jul-22	29.36	78.21	30.73	135.01
15-Jul-22	27.86	91.29	42.11	111.84
16-Jul-22	29.06	76.79	41.98	158.19
17-Jul-22	29.39	62.33	39.66	142.76
18-Jul-22	29.91	99.06	30.05	151.76
19-Jul-22	30.02	194.1	28.82	163.05
20-Jul-22	29.85	219.87	29.65	122.67
21-Jul-22	27.97	205.51	42.06	100.14
22-Jul-22	28.92	175.78	40.98	119.44
23-Jul-22	27.84	150.82	47.35	120.71
24-Jul-22	27.43	150.07	57.78	130.49
25-Jul-22	27.35	89.21	53.72	81.38
26-Jul-22	28.7	151.31	43.98	131.74
27-Jul-22	27.68	244.04	49.2	102.83
28-Jul-22	28.12	267.68	47.87	136.85
29-Jul-22	27.67	229.92	45.85	78.37
30-Jul-22	29.56	256.12	34.47	145.83

WEATHER MONITOING DATA FOR THE MONTH OF AUGUST-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Wind Speed (Km/Hr)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-Aug-22	28.8	237.33	0.03	37.52	126.25
2-Aug-22	28.42	258.95	0.04	43.76	120.74
3-Aug-22	28.69	147.8	0	41.04	163.72
4-Aug-22	26.99	128.88	0.03	51.65	75.28
5-Aug-22	29.29	76.04	0.27	40.45	172.01
6-Aug-22	29.31	101.99	0.06	43.04	123.14
7-Aug-22	28.82	113.21	0.16	44.26	146.44
8-Aug-22	28.93	62.4	0.28	40.52	157.68
9-Aug-22	27.57	78.29	7.32	46.73	95.25
10-Aug-22	26.11	69.84	12.8	52.72	54.42
11-Aug-22	26.07	104.99	5.66	56.16	81.75
12-Aug-22	26.16	242.48	1.66	55.66	50.94
13-Aug-22	26.55	268.91	4.49	51.37	61.58
14-Aug-22	26.93	148	5.74	51.09	79.11
15-Aug-22	24.89	88.7	15.73	56.53	22.09
16-Aug-22	27.11	169.99	4.63	40.02	104.43
17-Aug-22	28.48	233.5	2.47	40.43	139.27
18-Aug-22	28.87	264.74	6.58	36.19	148.67
19-Aug-22	27.71	274.2	3.12	42.57	71.59
20-Aug-22	25.81	222.56	5.12	58.21	55.33
21-Aug-22	25.28	90.4	14.44	56.35	50.97
22-Aug-22	27.07	130.82	3.68	43.48	92.75
23-Aug-22	28.2	133.07	1.91	38.27	177.14
24-Aug-22	27.1	222.56	3.58	45.17	128.63
25-Aug-22	24.76	257.31	8.48	53.58	45.68
26-Aug-22	27.78	269.77	4.83	40.51	134.96
27-Aug-22	28.86	260.94	3.93	39.45	152.45
28-Aug-22	26.3	200.12	2.81	53.48	56.69
29-Aug-22	26.86	169.51	2.05	53.59	85.81
30-Aug-22	27.58	208.7	1.47	50.19	103.93

WEATHER MONITOING DATA FOR THE MONTH OF SEPTEMBER-2022

Date & Time	Temp (°C)	Wind Direction (Degree)	Wind Speed (Km/Hr)	Relative Humidity (%)	Solar Radiation (Wat/m2)
1-Sep-22	27.42	199.03	1.92	49.3	67.71
2-Sep-22	28.34	251.18	1.88	44.19	85.26
3-Sep-22	26.97	252.55	3.04	46.99	65.35
4-Sep-22	27.33	197.33	2.63	45.04	89.92
5-Sep-22	26.55	282.28	1.86	50.95	93.63
6-Sep-22	27.98	201.9	3.28	45.87	135.3
7-Sep-22	27.49	180.61	2.27	51.89	116.2
8-Sep-22	28.18	166.44	3.23	51.55	103.23
9-Sep-22	28.57	160.52	4.35	41.47	173.82
10-Sep-22	28.33	93.88	7.24	42.72	133.9
11-Sep-22	27.09	61.51	11.14	44.42	72.67
12-Sep-22	25.28	90.28	8.97	59.82	47.36
13-Sep-22	25.83	101.01	5.16	57.88	73.47
14-Sep-22	26.55	140.81	3.04	51.49	69.52
15-Sep-22	28.49	190.3	7.84	32.32	108.68
16-Sep-22	26.97	218.12	5.79	42.54	65.61
17-Sep-22	27.78	262.45	3.68	38.67	127.95
18-Sep-22	27.67	273.42	2.74	45.27	128.34
19-Sep-22	27.07	208.58	2.46	47.76	113.62
20-Sep-22	25.35	202.38	1.34	61.69	70.22
21-Sep-22	26.18	199.7	2.99	60.44	89.24
22-Sep-22	26.76	220.53	2.5	53.43	106.42
23-Sep-22	26.47	237.21	2.39	52.91	89.79
24-Sep-22	25.86	268.16	3.19	43.26	84.3
25-Sep-22	26.65	271.69	1.5	45.06	88.36
26-Sep-22	27.15	251.98	1.56	44.96	101.91
27-Sep-22	26.58	235.46	2.97	46.68	87.31
28-Sep-22	26.45	262.7	1.51	49.67	92.1
29-Sep-22	27.18	172.62	1.82	43.56	124.33
30-Sep-22	26.98	197.27	2.09	42.09	112.98