

Date: 23 /05/2024

To,

The Regional Officer,
Ministry of Environment, Forest & Climate Change,
Room No. 407, Aranya Bhawan, Near CH-3 Circle, Sector-10A
Gandhinagar, Gujarat-382010

Subject: Half Yearly Compliance to Environmental Clearance of Anjar TMT Steel Private Ltd.

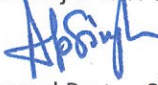
Ref.: EC F No. IA-J-11011/289/2021-IA-II(I) dated 23rd February 2023

Dear Sir,

With reference to the above subject, we are submitting herewith the Half Yearly Environment Clearance Compliance report of Anjar TMT Steel Pvt. Ltd. Anjar, Kutch, Gujarat for the period of October 2023 to March 2024.

Thanking You.

Yours faithfully,
For Anjar TMT Steel Private.Ltd.,


Anand Pratap Singh
Dy.Manager(Environment & ESG)



Encl: As above

CC:

- 1) Gujarat Pollution Control Board, Parayavaran Bhawan Sector-10-A, Gandhinagar
- 2) Regional Office ,Central Pollution Control Board, Parivesh Bhawan, Aatmajyoti Ashram Road, Opp.-VMC Ward office No.10, Subhanpura, Vadodara, Gujarat-390023.

Anjar TMT Steel Pvt. Ltd.

Welspun House, 5th Floor, Kamala City, Senapati Bapat Marg, Lower Parel (W), Mumbai 400013. India

T: +91 22 6613 6000 / 2490 8000 | F: +91 22 2490 8020

E-mail: companysecretary_wcl@welspun.com | Website: www.welspuncorp.com

Registered Address: Welspun City, Village Versamedi, Taluka Anjar, District Kutch, Gujarat 370110. India


T: +91 28 3666 2222 | F: +91 28 3627 9060

Corporate Identity Number: U27209GJ2021PTC122227


**Half Yearly Environment Clearance Compliance Report for M/s. Anjar TMT Steel Private Limited,
Welspun City Village: Versamedi, Tehsil: Anjar, District: Kutch, Gujrat.
(EC F No. IA-J-11011/289/2021-IA-II(I) dated 23rd February 2023**

Sr. No.	Conditions	Compliance
Specific Condition		
I	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Point noted & are being Complied.
II	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF &CC in this regard.	Noted & shall be complied.
III	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF & CC.	Noted.
IV	Following additional arrangements to control fugitive dust shall be provided:	
a)	Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas	Noted.
b)	Proper covered vehicle shall be used while transport of materials	Noted & shall be complied.
c)	Wheel Washing mechanism shall be provided in entry and exit gates.	Noted.
V	Particulate matter emission from stacks shall be less than 30 mg/Nm ³ .	Noted & shall be complied.
VI	Total water requirement will be 3861 m ³ /day which will be sourced from sister concern unit M/s. Welspun India Limited from its 30 MLD Sewage treatment plant after recycling & reuse of municipal sewage generated from the nearby Municipalities. No ground water abstraction is permitted.	There is no abstraction of ground water and no drawl of water from any natural surface water source for the proposed project. The water will be sourced from sister concern unit M/s. Welspun India Limited from its 30 MLD Sewage treatment plant after recycling & reuse of municipal sewage generated from the nearby Municipalities.



VII	The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report.	Noted.
VIII	Sang River is at a distance of 0.6 km from the project site. Other water bodies such as Churwa river, Ponds, Shinai Lake also exists within the study area of 10 km from the project site. The water bodies shall not be disturbed. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Point noted & shall be complied. The rain fall data of Kutch district shows very less rain fall and for the last 100 years no flood was reported at this region.
IX	Air cooled condensers shall be used in the Power plant.	Point noted & shall be complied.
X	Action plan for 100 % solid waste utilization shall be implemented as committed in EIA/EMP report.	Point noted & shall be complied.
XI	A proper action plan must be implemented to dispose of the electronic waste generated in the industry	Point noted & shall be complied.
XII	Mitigation measures to minimize the impact of noise shall be undertaken as committed.	Point noted & shall be complied.
XIII	Three tier Green Belt shall be developed in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Green belt development shall also be developed towards Sang River which is located at a distance of 600 m from the plant boundary. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF &CC.	Green belt is being developed in an around plant Boundary. Photographs of the same is as below: 
XIV	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Unit is developing greenbelt within premises along with paving to arrest soil erosion. Photographs of the same is as below:



		
XV	No construction activity/ infringement shall take place in flood plain of Sang River.	Noted & shall be complied. The company assures that no construction activity will be carried out in flood plain of Sang River.
XVI	The proposed project shall be designed as "Zero Liquid Discharge" Plant. There shall be no discharge of effluent from the plant.	Complied.
XVII	The total wastewater generation from the proposed project will be 1020.00 KLD. As proposed, it shall be sent to M/s. Welspun India Limited ETP for treatment and reuse.	Shall be complied. The total wastewater generation will be sent to M/s. Welspun India Limited for treatment and reuse as WIL having ETP with capacity of 24 MLD, Physical, Chemical and Biological Oxidation plant, UF and RO system of having the capacity to recycle & reuse 23 MLD of wastewater
XVIII	All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.	Shall be complied.
XIX	Internal roads of plant premises shall be concreted and maintained in good condition. Industrial vacuum cleaners shall be used regularly to clean roads to reduce fugitive emissions.	Internal roads of plant premises have been concreted.
XX	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.	Shall be complied.
XXI	All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	Noted & Shall be complied.
XXII	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022.	Noted & Shall be complied.



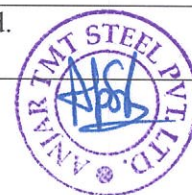
	<p>In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.</p>	
XXIII	<p>The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.</p>	Noted & Shall be complied.
General Condition		
I	Statutory compliance	
i	<p>The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.</p>	Noted and Shall be Complied.
II	Air quality monitoring and preservation	
i	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos.</p>	We have already installed CAAQMS for entire Welspun City for monitoring AAQ parameter to standards prescribed in Environment (Protection) Rules 1986.



	Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Point Noted and are being complied.
iii	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Point Noted and Shall be complied.
iv	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Point Noted and Shall be complied.
v	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Point noted and shall be complied.
vi	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Shall be complied.
vii	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Noted
viii	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Shall be complied.
III	Water quality monitoring and preservation	
i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30 th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated	Noted.



	7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Noted.
iii	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Shall be complied. Total generated domestic wastewater from the unit will be sent to M/s. Welspun India Limited, sister company for treatment and reuse.
iv	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time.	Shall be complied. Total generated wastewater from TMT bars unit will be sent to M/s. Welspun India Limited, sister company for treatment and reuse.
v	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Point Noted & Shall be complied.
vi	Tyre washing facilities shall be provided at the entrance/exit of the plant gates.	Point noted & shall be complied.
IV	Noise monitoring and prevention	
i	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Point Noted and Shall be complied.
V	Energy Conservation measures	
i	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption	The company has provided LED lights in their offices, Plant and residential areas.
VI	Waste Management	
i	Used refractories shall be recycled.	Point Noted and Shall be complied.
ii	Kitchen waste shall be composted or converted to biogas for further use.	Point Noted and Shall be complied.
VII	Green Belt	
i	The project proponent shall prepare GHG emissions inventory for the plant and shall submit	Point Noted and Shall be complied.



	the programme for reduction of the same including carbon sequestration including plantation.	
ii	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	Noted.
VIII	Public hearing and Human health issues	
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Point Noted & Shall be complied.
ii	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Point Noted and Shall be complied.
iii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Shall be complied.
IX	Environment Management	
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Noted.
ii	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation /	The company have well laid down Environmental Policy duly approved by Chief Executive officer.(Attached)



	violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Complied. A separate Environment Management Cell has been set up, with qualified personnel under the control of senior Executive, who is directly reporting the head of the plant.
X	Miscellaneous	
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied.
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. M/s ATSPIL has uploaded the status of compliance of stipulated environment clearance conditions, including results of monitored data on the company website and updating the same on half yearly basis.
iv	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted & being Complied.
v	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Point Noted and are being complied.
vi	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment	Point Noted and are being complied.



	(Protection) Rules, 1986, as amended subsequently and put on the website of the company.	
vii	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted.
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted.
ix	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Point Noted and Shall be complied.
x	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).	Noted
xi	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted





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Environment Auditing & Consultancy Service

Plot No. 19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 81/10/2023-24

Date: 18/10/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	--
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done On. : 26/12/2022

* Permissible limits as per GPCB CC&A

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Analyst



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Ref. No.: 82/10/2023-24

Date: 18/10/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist,: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	---	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	---	--	09/10/2023	09/10/2023	09/10/2023
03.	Time of sampling	Hr.	--	9.00	9.15	9.30
04.	Dominant Wind Direction (From)	---	--	SE	SE	SE
05.	Wind Speed	Km./Hr.	--	2 to 10	2 to 10	2 to 10
06.	Average flow rate during sampling	m ³ /minute	--	1.10	1.20	1.15
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	23.5	22.2	24.5
09.	PM 10	µg/m ³	100	58.3	54.4	56.3
10.	Measured Concentration of SO ₂	µg/m ³	80	12.5	14.2	13.8
11.	Measured Concentration of NO ₂	µg/m ³	80	23.5	24.4	25.1

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.

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Ref. No.: 83/10/2023-24

Date: 18/10/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	---	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	---	--	10/10/2023	10/10/2023	10/10/2023
03.	Time of sampling	Hr.	--	10.20	10.00	10.50
04.	Dominant Wind Direction (From)	----	--	SE	SE	SE
05.	Wind Speed	Km./Hr.	--	2 to 11	2 to 11	2 to 11
06.	Average flow rate during sampling	m3/minute	--	1.10	1.20	1.10
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	$\mu\text{g}/\text{m}^3$	60	25.5	26.3	28.2
09.	PM 10	$\mu\text{g}/\text{m}^3$	100	45.5	52.3	58.3
10.	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	13.2	12.5	11.8
11.	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	21.3	22.2	24.5

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.





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Ref. No.: 84/10/2023-24

Date: 18/10/2023

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 09/10/2023

Sample Collected by : Royal Environment

Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time) 6:00 AM - 10:00 PM	Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time) 10:00 PM - 6:00 AM
			12:30 - 01:30 PM		12:30 - 01:30 AM
Monitoring is carried out during					
01.	Nr. Sec. Main Gate	75	61.8	70	52.5
02.	Nr. Weight Bridge	75	62.5	70	51.4
03.	Nr. Triangle Garden	75	63.2	70	50.3
04.	Nr. West Security Gate	75	64.1	70	50.2
05.	Nr. Work Shop Area	75	65.8	70	53.5

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 85/10/2023-24

Date: 18/10/2023

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Date of Sampling : 09/10/2023

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	80.2
02	Nr. Roughing Area	85	77.3
03	Nr. Intermediate Area	85	76.5
04	Nr. Finishing A	85	77.2

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 86/10/2023-24

Date: 18/10/2023

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 09/10/2023

Source of Sample : Canteen Drinking Water

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	29
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.15
06.	T.D.S.	mg/l	500	2000	122
07.	Total Hardness	mg/l	200	600	40
08.	Calcium (as Ca)	mg/l	75	200	12.5
09.	Magnesium (as Mg)	mg/l	30	100	2.1
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	40.2
15.	Sulphate	mg/l	200	400	9.3
16.	Nitrate	mg/l	45	No Relaxation	2.5
17.	Fluoride	mg/l	1.0	1.5	0.04
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	25.0
21.	E - Coli	Coli	---	---	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification.

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard.



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Ref. No.: 87/10/2023-24

Date: 18/10/2023

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Date of Sampling : 09/10/2023

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	360	300
02	Nr. Mill Area	300	350	330
03	Nr. Intermediate Area	300	330	325
04	Nr. Finshing A	300	320	310

Instruments used : Lutron Make Lux Meter, Model No. LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 88/10/2023-24

Date: 18/10/2023

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Date of Sampling : 09/10/2023

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1120

Instruments Used : HVS APM 430, Calibration done on.: 26/12/2022

** Permissible Limits are as per GPCB CC&A.

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Ref. No.: 89/10/2023-24

Date: 18/10/2023


Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 09/10/2023

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)		Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average	Mg/m ³	Mg/m ³					
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.5-2.0	1.75	10	10	Gravimetric	5	---		Mr. Prashant Chavda
2	Nr. Work Shop Area	Total Dust		2	1.2-2.0	1.60	10	10		3	---		

** Permissible limits (TWA) are as per ACGIH Standards.
Calibration Done On. : 16/01/2023

For. Royal Environment Auditing & Consultancy Service



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Ref. No.: 51/11/2023-24

Date: 25/11/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	---
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done On. : 26/12/2022



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Ref. No.: 52/11/2023-24

Date: 25/11/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Anjar TMT Steel Pvt. Ltd.**

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist,: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	----	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	----	--	14/11/2023	14/11/2023	14/11/2023
03.	Time of sampling	Hr.	--	09.10	09.25	09.40
04.	Dominant Wind Direction (From)	----	--	SE	SE	SE
05.	Wind Speed	Km./Hr.	--	2 to 12	2 to 12	2 to 12
06.	Average flow rate during sampling	m ³ /minute	--	1.10	1.20	1.15
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	23.5	25.2	23.3
09.	PM 10	µg/m ³	100	55.5	58.3	56.2
10.	Measured Concentration of SO ₂	µg/m ³	80	12.5	13.8	14.2
11.	Measured Concentration of NO ₂	µg/m ³	80	22.3	23.5	21.4

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.





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Ref. No. : 53/11/2023-24

Date: 25/11/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	----	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	----	--	15/11/2023	15/11/2023	15/11/2023
03.	Time of sampling	Hr.	--	10.20	10.00	10.50
04.	Dominant Wind Direction (From)	----	--	SE	SE	SE
05.	Wind Speed	Km./Hr.	--	2 to 11	2 to 11	2 to 11
06.	Average flow rate during sampling	m3/minute	--	1.15	1.18	1.20
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	$\mu\text{g}/\text{m}^3$	60	23.2	22.2	20.5
09.	PM 10	$\mu\text{g}/\text{m}^3$	100	52.3	54.4	53.3
10.	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	13.4	14.2	15.1
11.	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	22.5	23.3	25.2

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.

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Ref. No.: 54/11/2023-24

Date: 25/11/2023

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.,: Kutch- 370110.

Date of Sampling : 15/11/2023

Sample Collected by : Royal Environment

Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time) 6:00 AM - 10:00 PM	Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time) 10:00 PM - 6:00 AM
			12:30 - 01:30 PM		12:30 - 01:30 AM
Monitoring is carried out during					
01.	Nr. Sec. Main Gate	75	61.1	70	50.1
02.	Nr. Weight Bridge	75	62.2	70	54.4
03.	Nr. Triangle Garden	75	64.3	70	53.3
04.	Nr. West Security Gate	75	63.5	70	52.2
05.	Nr. Work Shop Area	75	64.2	70	53.5

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023


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Ref. No.: 55/11/2023-24

Date: 25/11/2023

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Date of Sampling : 15/11/2023

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	77.2
02	Nr. Roughing Area	85	76.4
03	Nr. Intermediate Area	85	75.1
04	Nr. Finshing A	85	74.2

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 56/11/2023-24

Date: 25/11/2023

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/11/2023

Source of Sample : **Canteen Drinking Water**

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	32
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.77
06.	T.D.S.	mg/l	500	2000	135
07.	Total Hardness	mg/l	200	600	40
08.	Calcium (as Ca)	mg/l	75	200	7.5
09.	Magnesium (as Mg)	mg/l	30	100	5.2
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	25.2
15.	Sulphate	mg/l	200	400	7.2
16.	Nitrate	mg/l	45	No Relaxation	2.1
17.	Fluoride	mg/l	1.0	1.5	0.004
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	25.3
21.	E - Coli	Coli	---	---	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard





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Ref. No.: 57/11/2023-24

Date: 25/11/2023

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Date of Sampling : 15/11/2023

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	310	315
02	Nr. Mill Area	300	350	300
03	Nr. Intermediate Area	300	340	320
04	Nr. Finishing A	300	330	310

Instruments used : Lutron Make Lux Meter, Model No. LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 58/11/2023-24

Date: 25/11/2023

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/11/2023

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1200

Instruments Used : HVS APM 430, Calibration done on.: 26/12/2022

** Permissible Limits are as per GPCB CC&A.




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Ref. No.: 59/11/2023-24

Date: 25/11/2023


Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e)

- 1 Name of the Department/Plant.: Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 15/11/2023

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)	Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.0-1.5	1.25	10	Gravimetric	5	---		Mr. Prashant Chavda
2	Nr. Work Shop Area	Total Dust		2	1.2-1.4	1.30	10		3	---		

** Permissible limits (TWA) are as per ACGIH Standards.
Calibration Done On. : 16/01/2023

For. Royal Environment Auditing & Consultancy Service



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Ref. No.: 61/12/2023-24

Date: 25/12/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	--
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done On. : 26/12/2022

* Permissible limits as per GPCB CC&A



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Ref. No.: 62/12/2023-24

Date: 25/12/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Anjar TMT Steel Pvt. Ltd.**
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

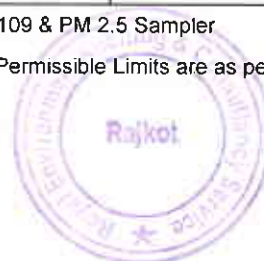
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	----	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	----	--	14/12/2023	14/12/2023	14/12/2023
03.	Time of sampling	Hr.	--	09.15	09.30	09.45
04.	Dominant Wind Direction (From)	----	--	SE	SE	SE
05.	Wind Speed	Km /Hr.	--	3 to 16	3 to 16	3 to 16
06.	Average flow rate during sampling	m3/minute	--	1.20	1.10	1.16
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	$\mu\text{g}/\text{m}^3$	60	26.5	28.4	24.6
09.	PM 10	$\mu\text{g}/\text{m}^3$	100	53.4	56.8	54.2
10.	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	15.6	15.2	16.4
11.	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	23.4	24.6	22.8

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.





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Ref. No.: 63/12/2023-24

Date: 25/12/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

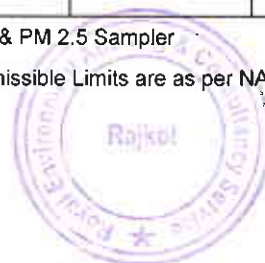
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	----	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	----	--	15/12/2023	15/12/2023	15/12/2023
03.	Time of sampling	Hr.	--	10.30	10.10	11.00
04.	Dominant Wind Direction (From)	----	--	SE	SE	SE
05.	Wind Speed	Km./Hr.	--	2 to 12	2 to 12	2 to 12
06.	Average flow rate during sampling	m ³ /minute	--	1.14	1.16	1.10
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	24.3	23.4	21.5
09.	PM 10	µg/m ³	100	52.3	54.4	53.3
10.	Measured Concentration of SO ₂	µg/m ³	80	14.6	15.2	16.8
11.	Measured Concentration of NO ₂	µg/m ³	80	23.6	24.5	26.3

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On . : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.



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Ref. No.: 64/12/2023-24

Date: 25/12/2023

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/12/2023

Sample Collected by : Royal Environment

Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time)	Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time)
			6:00 AM - 10:00 PM		10:00 PM - 6:00 AM
Monitoring is carried out during			12:30 - 01:30 PM	12:30 - 01:30 AM	
01.	Nr. Sec. Main Gate	75	62.3	70	51.2
02.	Nr. Weight Bridge	75	63.4	70	55.6
03.	Nr. Triangle Garden	75	65.8	70	54.8
04.	Nr. West Security Gate	75	64.6	70	53.4
05.	Nr. Work Shop Area	75	65.5	70	54.2

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 65/12/2023-24

Date: 25/12/2023

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/12/2023

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	78.5
02	Nr. Roughing Area	85	77.4
03	Nr. Intermediate Area	85	76.9
04	Nr. Finishing A	85	75.8

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 66/12/2023-24

Date: 25/12/2023

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/12/2023

Source of Sample : **Canteen Drinking Water**

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	30
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.89
06.	T.D.S.	mg/l	500	2000	138
07.	Total Hardness	mg/l	200	600	42
08.	Calcium (as Ca)	mg/l	75	200	7.8
09.	Magnesium (as Mg)	mg/l	30	100	5.5
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	28.5
15.	Sulphate	mg/l	200	400	7.4
16.	Nitrate	mg/l	45	No Relaxation	2.2
17.	Fluoride	mg/l	1.0	1.5	0.005
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	28.2
21.	E - Coli	Coli	---	---	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard



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Ref. No.: 67/12/2023-24

Date: 25/12/2023

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/12/2023

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	320	325
02	Nr. Mill Area	300	360	310
03	Nr. Intermediate Area	300	350	330
04	Nr. Finshing A	300	340	320

Instruments used : Lutron Make Lux Meter, Model No. LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 68/12/2023-24

Date: 25/12/2023

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 15/12/2023

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1100

Instruments Used : HVS APM 430, Calibration done on.: 26/12/2022

** Permissible Limits are as per GPCB CC&A.

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Ref. No.: 69/12/2023-24

Date: 25/12/2023


Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e)

- 1 Name of the Department/Plant : Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 15/12/2023

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)	Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.2-1.5	1.35	10	Gravimetric	4	---		Mr. Prashant Chavda
2	Nr. Work Shop Area	Total Dust		2	1.3-1.5	1.40	10		5	---		

** Permissible limits (TWA) are as per ACGIH Standards.
Calibration Done On : 16/01/2023



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Ref. No.: 71/01/2023-24

Date: 31/01/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	--
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done On. : 26/12/2022



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Ref. No.: 72/01/2023-24

Date: 31/01/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

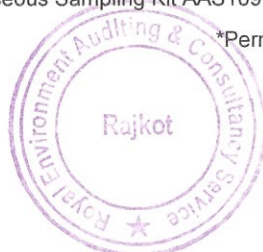
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	----	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	----	--	13/01/2024	13/01/2024	13/01/2024
03.	Time of sampling	Hr.	--	09.15	09.30	09.45
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	4 to 15	4 to 15	4 to 15
06.	Average flow rate during sampling	m3/minute	--	1.15	1.17	1.16
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08	PM 2.5	$\mu\text{g}/\text{m}^3$	60	22.5	21.4	23.2
09	PM 10	$\mu\text{g}/\text{m}^3$	100	51.3	52.4	53.8
10	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	12.3	13.2	12.4
11	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	24.5	22.4	23.1

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.



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Ref. No.: 73/01/2023-24

Date: 31/01/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Anjar TMT Steel Pvt. Ltd.**
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	----	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	----	--	13/01/2024	13/01/2024	13/01/2024
03.	Time of sampling	Hr.	--	10.30	10.10	11.00
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	4 to 15	4 to 15	4 to 15
06.	Average flow rate during sampling	m3/minute	--	1.13	1.17	1.21
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	$\mu\text{g}/\text{m}^3$	60	23.5	24.6	23.7
09.	PM 10	$\mu\text{g}/\text{m}^3$	100	50.1	52.3	53.4
10.	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	13.5	14.1	13.2
11.	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	24.1	23.5	25.1

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On . : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.



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Ref. No.: 74/01/2023-24

Date: 31/01/2023

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 13/01/2024

Sample Collected by : Royal Environment

Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time) 6:00 AM - 10:00 PM	Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time) 10:00 PM - 6:00 AM
			12:30 - 01:30 PM		12:30 - 01:30 AM
Monitoring is carried out during					
01.	Nr. Sec. Main Gate	75	64.5	70	52.9
02.	Nr. Weight Bridge	75	63.6	70	53.5
03.	Nr. Triangle Garden	75	67.8	70	54.5
04.	Nr. West Security Gate	75	63.9	70	53.2
05.	Nr. Work Shop Area	75	66.7	70	53.8

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 75/01/2023-24

Date: 31/01/2023

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 13/01/2024

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	79.5
02	Nr. Roughing Area	85	76.9
03	Nr. Intermediate Area	85	79.1
04	Nr. Finishing A	85	77.7

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 76/01/2023-24

Date: 31/01/2023

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 13/01/2024

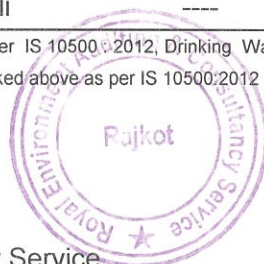
Source of Sample : **Canteen Drinking Water**

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	31
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.60
06.	T.D.S.	mg/l	500	2000	135
07.	Total Hardness	mg/l	200	600	42
08.	Calcium (as Ca)	mg/l	75	200	7.5
09.	Magnesium (as Mg)	mg/l	30	100	5.7
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	26.9
15.	Sulphate	mg/l	200	400	7.5
16.	Nitrate	mg/l	45	No Relaxation	2.4
17.	Fluoride	mg/l	1.0	1.5	0.004
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	30.1
21.	E - Coli	Coli	----	----	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500:2012, Drinking Water Specification

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard





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Ref. No.: 77/01/2023-24

Date: 31/01/2023

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Date of Sampling : 13/01/2024

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	335	330
02	Nr. Mill Area	300	365	333
03	Nr. Intermediate Area	300	355	325
04	Nr. Finshing A	300	390	310

Instruments used : Lutron Make Lux Meter, Model No. LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 78/01/2023-24

Date: 31/01/2023

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Date of Sampling : 13/01/2024

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1200

Instruments Used : HVS APM 430, Calibration done on.: 26/12/2022

** Permissible Limits are as per GPCB CC&A.


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Ref. No.: 79/01/2023-24

Date: 31/01/2023


Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 13/01/2024

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)	Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.9-2.8	2..35	10	Gravimetric	3	---		Mr. Prashant Chavda
2	Nr. Work Shop Area	Total Dust		2	1.6-2.1	1.85	10		4	---		

** Permissible limits (TWA) are as per ACGIH Standards.

Calibration Done On. : 16/01/2023

For. Royal Environment Auditing & Consultancy Service



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Ref. No.: 81/02/2023-24

Date: 29/02/2023

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	--
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done On. : 18/01/2024



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Ref. No.: 82/02/2023-24

Date: 29/02/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	----	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	----	--	24/02/2024	24-02-2024	24-02-2024
03.	Time of sampling	Hr.	--	09.20	09.35	09.45
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	4 to 14	4 to 15	4 to 13
06.	Average flow rate during sampling	m3/minute	--	1.13	1.16	1.17
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08	PM 2.5	$\mu\text{g}/\text{m}^3$	60	21.2	22.2	24.2
09	PM 10	$\mu\text{g}/\text{m}^3$	100	52.3	51.2	52.2
10	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	13.2	14.2	13.2
11	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	25.2	21.0	23.1

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 13/01/2024

*Permissible Limits are as per NAAQ Standard 16th November 2009.





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Ref. No.: 83/02/2023-24

Date: 29/02/2023

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	----	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	----	--	24/02/2024	24/02/2024	24/02/2024
03.	Time of sampling	Hr.	--	10.20	10.25	11.00
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	4 to 14	3 to 15	4 to 15
06.	Average flow rate during sampling	m3/minute	--	1.12	1.16	1.18
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	$\mu\text{g}/\text{m}^3$	60	23.5	25.2	24.1
09.	PM 10	$\mu\text{g}/\text{m}^3$	100	51.2	53.2	54.2
10.	Measured Concentration of SO ₂	$\mu\text{g}/\text{m}^3$	80	14.1	14.5	14.2
11.	Measured Concentration of NO ₂	$\mu\text{g}/\text{m}^3$	80	25.2	24.2	26.2

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On . : 13/01/2024

*Permissible Limits are as per NAAQ Standard 16th November 2009.



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Ref. No.: 84/02/2023-24

Date: 29/02/2023

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 24/02/2024

Sample Collected by : Royal Environment

Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time)		Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time)	
			6:00 AM - 10:00 PM	12:30 - 01:30 PM		10:00 PM - 6:00 AM	12:30 - 01:30 AM
Monitoring is carried out during							
01.	Nr. Sec. Main Gate	75	65.2	70	52.0		
02.	Nr. Weight Bridge	75	64.3	70	52.1		
03.	Nr. Triangle Garden	75	69.3	70	53.2		
04.	Nr. West Security Gate	75	64.5	70	51.2		
05.	Nr. Work Shop Area	75	69.1	70	52.3		

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023


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Ref. No.: 85/02/2023-24

Date: 29/02/2023

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 24/02/2024

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	80.1
02	Nr. Roughing Area	85	79.5
03	Nr. Intermediate Area	85	78.2
04	Nr. Finishing A	85	80.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 86/02/2023-24

Date: 29/02/2023

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 24/02/2024

Source of Sample : **Canteen Drinking Water**

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	32
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.50
06.	T.D.S.	mg/l	500	2000	132
07.	Total Hardness	mg/l	200	600	44
08.	Calcium (as Ca)	mg/l	75	200	7.6
09.	Magnesium (as Mg)	mg/l	30	100	6.3
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	25.5
15.	Sulphate	mg/l	200	400	7.6
16.	Nitrate	mg/l	45	No Relaxation	2.5
17.	Fluoride	mg/l	1.0	1.5	0.005
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	31.2
21.	E - Coli	Coli	----	----	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard



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Ref. No.: 87/02/2023-24

Date: 29/02/2023

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 24/02/2024

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	340	335
02	Nr. Mill Area	300	370	356
03	Nr. Intermediate Area	300	360	330
04	Nr. Finshing A	300	400	315

Instruments used : Lutron Make Lux Meter, Model No. LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 88/02/2023-24

Date: 29/02/2023

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist,: Kutch- 370110.

Date of Sampling : 24/02/2024

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1205

Instruments Used : HVS APM 430, Calibration done on.: 01/01/2024

** Permissible Limits are as per GPCB CC&A.

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Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date Of Sampling:23/02/2024

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)	Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.8-2.5	2.15	10	Gravimetric	4	---		Mr. Prashant Chavda
2	Nr. Work Shop Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.5-2.2	1.85	10	Gravimetric	5	---		

** Permissible limits (TWA) are as per ACGIH Standards.

Calibration Done On. : 01/01/2024

For. Royal Environment Auditing & Consultancy Service



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Ref. No.: 91/03/2023-24

Date: 26/03/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

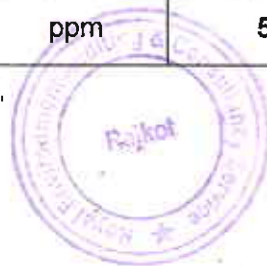
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1
01	Stack Attached to	---	---	Furnace
02	Date of Sampling	---	---	Not Running
03	Time of Sampling	---	---	During Visit
04	Air Pollution Control Measures	---	---	--
05	Stack Height	Meter	---	30
06	Stack Temperature	° C	---	--
07	Ambient Temperature	° C	---	--
08	Average Velocity of Flue Gases	M/Sec.	---	--
09	Isokinetic flow rate for P.M. Sampling	LPM	---	--
10	P.M.	mg/Nm ³	150	--
11	SO ₂	ppm	100	--
12	NO _x	ppm	50	--

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done On. : 26/12/2022

* Permissible limits as per GPCB CC&A





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Ref. No.: 92/03/2023-24

Date: 26/03/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	----	--	Nr. Security Main Gate	Nr. Weighing Bridge	Nr. Triangle Garden
02.	Date of sampling	----	--	20/03/2024	20/03/2024	20/03/2024
03.	Time of sampling	Hr.	--	09.15	09.30	09.45
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	3 to 15	3 to 15	3 to 15
06.	Average flow rate during sampling	m3/minute	--	1.12	1.17	1.13
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	22.5	23.7	24.8
09.	PM 10	µg/m ³	100	53.4	52.8	55.7
10.	Measured Concentration of SO ₂	µg/m ³	80	14.2	13.5	12.6
11.	Measured Concentration of NO ₂	µg/m ³	80	23.5	24.5	23.8

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.



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Ref. No.: 93/03/2023-24

Date: 26/03/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 4	Location No. 5	Location No. 6
01.	Location of Sampling	----	--	Nr. West Security Gate	Nr. OHC	Nr. Work Shop Area
02.	Date of sampling	----	--	20/03/2024	20/03/2024	20/03/2024
03.	Time of sampling	Hr.	--	10.00	10.15	10.30
04.	Dominant Wind Direction (From)	----	--	SW	SW	SW
05.	Wind Speed	Km./Hr.	--	4 to 14	3 to 15	4 to 15
06.	Average flow rate during sampling	m ³ /minute	--	1.12	1.15	1.19
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	21.5	23.4	22.7
09.	PM 10	µg/m ³	100	52.4	53.5	51.6
10.	Measured Concentration of SO ₂	µg/m ³	80	13.5	14.2	13.5
11.	Measured Concentration of NO ₂	µg/m ³	80	23.4	22.4	21.5

Instrument used : Ecotech RDS (APM - 217 BL), Gaseous Sampling Kit AAS109 & PM 2.5 Sampler

Calibration Done On : 26/12/2022

*Permissible Limits are as per NAAQ Standard 16th November 2009.





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Ref. No.: 94/03/2023-24

Date: 26/03/2024

AMBIENT NOISE LEVEL MONITORING REPORTS

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 20/03/2024

Sample Collected by : Royal Environment

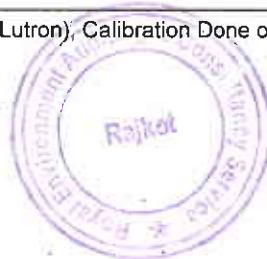
Sr. No.	Location of Sampling	Permissible Limits dB(A) Day Time	Results in dB(A) (Day Time) 6:00 AM - 10:00 PM	Permissible Limits dB(A) Night Time	Results in dB(A) (Night Time) 10:00 PM - 6:00 AM
			12:30 - 01:30 PM		12:30 - 01:30 AM
01.	Nr. Sec. Main Gate	75	67.2	70	51.7
02.	Nr. Weight Bridge	75	65.3	70	53.9
03.	Nr. Triangle Garden	75	66.8	70	54.8
04.	Nr. West Security Gate	75	65.9	70	52.7
05.	Nr. Work Shop Area	75	63.7	70	51.5

CPCB Standards

Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 95/03/2023-24

Date: 26/03/2024

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 20/03/2024

Readings Taken by : Royal Environment

Sr.No.	Location of Sampling	Permissible Limits for 8:00 Hrs.	Results in dB(A)
Monitoring is carried out during			02:00 to 3:00 PM
01	Nr. Furnace	85	79.5
02	Nr. Roughing Area	85	80.9
03	Nr. Intermediate Area	85	76.8
04	Nr. Finishing A	85	78.3

Instruments used : Sound level meter, Model : SL-4030 (Lutron), Calibration Done on : 04/03/2023

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Ref. No.: 96/03/2023-24

Date: 26/03/2024

WATER SAMPLE ANALYSIS REPORT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 20/03/2024

Source of Sample : Canteen Drinking Water

Sample Collected by : Royal Environment

Sr. No.	Parameters	Unit	Acceptable Limit	Permissible Limits(*)	Result
01.	Color	Pt.Co.Scale	5	15	Colorless
02.	Odour	--	Agreeable	Agreeable	Odorless
03.	Temperature	°C	---	---	35
04.	Turbidity	NTU	1	5	NIL
05.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.30
06.	T.D.S.	mg/l	500	2000	137
07.	Total Hardness	mg/l	200	600	46
08.	Calcium (as Ca)	mg/l	75	200	7.5
09.	Magnesium (as Mg)	mg/l	30	100	6.9
10.	Copper	mg/l	0.05	1.5	< 0.01
11.	Iron	mg/l	0.3	No Relaxation	< 0.01
12.	Lead	mg/l	0.01	No Relaxation	< 0.01
13.	Manganese	mg/l	0.1	0.3	< 0.01
14.	Chloride	mg/l	250	1000	24.2
15.	Sulphate	mg/l	200	400	7.8
16.	Nitrate	mg/l	45	No Relaxation	2.7
17.	Fluoride	mg/l	1.0	1.5	0.003
18.	Phenolic Compound	mg/l	0.001	0.002	NIL
19.	Free Residual Chlorine	mg/l	0.2	1	< 0.01
20.	Total Alkalinity as Calcium Carbonate	mg/l	200	600	30.3
21.	E - Coli	Coli	---	----	Absent

(*) Permissible Limit in the Absense of Alternate Source as per IS 10500 : 2012, Drinking Water Specification

Note: The water is safe to drink with respect of parameters checked above as per IS 10500:2012 standard





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Ref. No.: 97/03/2023-24

Date: 26/03/2024

ILLUMINATION LEVEL MEASUREMENT

Name of company : Anjar TMT Steel Pvt. Ltd.
Welspun City
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 20/03/2024

Readings Collected by : Royal Environment

Sr. No.	Location of Sampling	Illumination Lux (As per standards IS - 3646 Part - II : 1966)	Illumination Day Time	Illumination Night Time
Monitoring is carried out during			10:00 to 11:00 AM	11:00 to 12:00 PM
01	Nr. Furnace Area	300	355	345
02	Nr. Mill Area	300	390	315
03	Nr. Intermediate Area	300	375	320
04	Nr. Finshing A	300	410	325

Instruments used : Lutron Make Lux Meter, Model No: LX-101A

Calibration done on: 04/03/2023

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Ref. No.: 98/03/2023-24

Date: 26/03/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Anjar TMT Steel Pvt. Ltd.

Welspun City

Village: Versamedi, Taluka: Anjar,

Dist.: Kutch- 370110.

Date of Sampling : 20/03/2024

Sample Collected by : Royal Environment

Sr. No.	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during			03:00 to 04:00 PM
01	Nr. Raw Material Handling Yard	3000	1229

Instruments Used : HVS APM 430, Calibration done on.: 01/01/2024

** Permissible Limits are as per GPCB CC&A.

Royal Environment Auditing & Consultancy Service



Analyst

Ref. No.: 99/03/2023-24

Date: 26/03/2024

Form No. 37 WORK PLACE MONITORING REPORT

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: Mill Area, Work shop area of Anjar TMT Steel Pvt. Ltd.
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date Of Sampling: 20/03/2024

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA** concentration (As given in Second Schedule)		Refrance Method	Number of Workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of sample	Range	Average	Mg/m ³						
1	Nr. Mill Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.8-2.5	2.15	10	Gravimetric	3				
2	Nr. Work Shop Area	Total Dust		2	1.5-2.2	1.85	10		4				

** Permissible limits (TWA) are as per ACGIH Standards.
Calibration Done On : 16/01/2024



For: Royal Environment Auditing & Consultancy Service

Authorized Sign

Royal Environment Auditing & Consultancy Service