

Date: 25.11.2024

To,

**The Deputy Director General of Forests (C),
Integrated Regional Office (IRO), Ministry of Environment, Forest and Climate Change,
Room No. 407, Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhinagar-382010.
E-mail: iro.gandhingr-mefcc@gov.in**

Subject : Half Yearly Compliance to Environmental Clearance of Welspun Corp Ltd.

Ref. : WCL-EC Amendment, SEIAA/GUJ/EC/3(a) & 1(d)/1067/2023, date : 21.08.2023 (Earlier WCL-EC, SEIAA/GUJ/EC/5(f)/2338/2022, date : 15.10.2022 & WSL - EC , SEIAA/GUJ/EC/3(a) & 1(d)/83/2011, date : 30.05.2011)

Respected Sir/Ma'am,

With reference to above subject, please find herewith the point wise **Six Monthly Compliance Report (April'2024 to Sept'2024)** of environment clearance in respect of **Welspun Corp Ltd. (Steel Division)** Located at Welspun City, Village-Varsamedi, Taluka-Anjar, District-Kutch, Gujarat.

As per the Para 10 of EIA Notification, 2006 and subsequent amendment vide MoEF&CC notification S.O 5845 (E) dated 26.11.2018; we are submitting herewith the compliance report of EC letter to your good office through e-mail (soft copy).

This is for your kind information and record, please.

Thanking you,

Yours faithfully,
For Welspun Corp Ltd. (Steel Division)



Dr. Rameshkumar K.T
(Vice President & Group Environment Head)

Encl: As above

CC to:

- (1) **The Member Secretary**, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector 10-A, **Gandhinagar-382010**. Email: ms-gpcb@gujarat.gov.in
- (2) **The Regional Director (West Zone)**, Central Pollution Control Board, Parivesh Bhawan, Aatmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, **Vadodara, Gujarat-390023**.
E-mail: westzonepcb@yahoo.com

Welspun Corp Limited (Steel Division)

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: L27100GJ1995PLC025609

Half Yearly Environment Clearance Compliance Report For M/s Welspun Corp Limited, Village: Versamedi, Taluka: Anjar, District: Kutch.

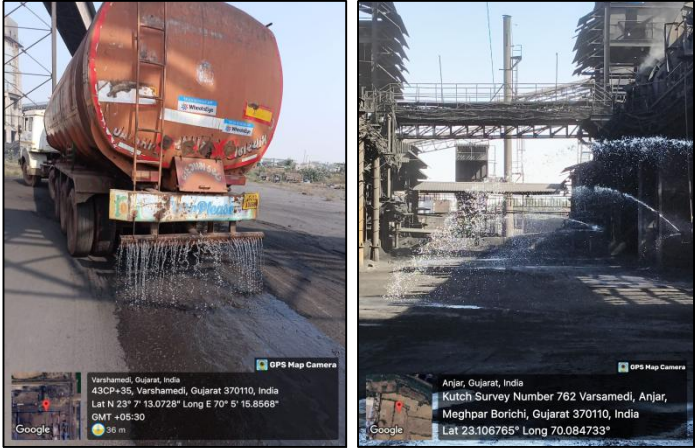

WCL-EC Amendment, SEIAA/GUJ/EC/3(a) & 1(d)/1067/2023, date : 21.08.2023 (Earlier WCL-EC, SEIAA/GUJ/EC/5(f)/2338/2022, date : 15.10.2022 & WSL - EC , SEIAA/GUJ/EC/3(a) & 1(d)/83/2011, date : 30.05.2011)

Sr. No.	Environment Clearance - Condition	Status
A	SPECIFIC CONDITIONS :	
1	Total Production of Sponge Iron for captive consumption and for sale shall not increase for existing 144000 MT/Annum, in any case.	Complied. The production capacity is not increased for sponge iron i.e.-144000 MT/ Annum (As per amended EC).
A-1	WATER :	
2	Fresh water requirement shall not exceed 2869 KL/day after the proposed expansion and shall be met only through water supply from Gujarat Water Infrastructure Ltd. (GWIL). No ground water shall be tapped for the project requirements. Water meter shall be installed at the all water intake points and its records shall be maintained.	The water supply is fulfilled by GWIL. No ground water is being tapped for the project requirement.
3	The industrial effluent generation (from DM Plant Regeneration, Boiler Blow-down & cooling tower blow down) shall not exceed 179 KL/day after the proposed expansion.	The Industrial effluent generation of water is within the prescribed limit.
4	The industrial effluent after its pH correction shall be completely reused in sponge iron kiln cooling, green belt development, sprinkling on roads etc. There shall be no discharge of industrial effluent outside the factory premises in any cases.	We are re-using wastewater for Cooling of Kiln's Cooler, Dust suppression, sprinkling, gardening purpose.
5	Domestic Wastewater shall be disposed off through septic tank-soak pit.	The domestic wastewater is being disposed through a septic tank.
6	Rainwater harvesting of surface as well as rooftop runoff shall be undertaken, and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface runoff, pre- treatment must be done to remove suspended matter.	We have made a pond for Rainwater harvesting. Rainwater is being collected in the same for the utilization.

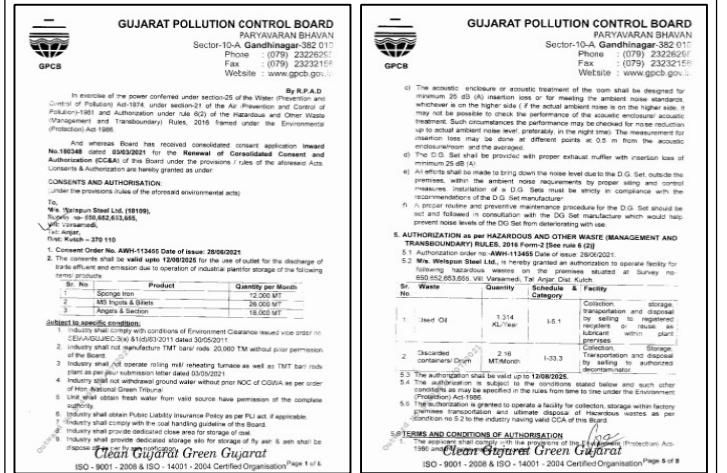


[Photographs of rain water harvesting pond](#)

A-2	AIR :	
7	Imported coal-125 MT/day & Coal-char 56 MT/day shall be used as fuel in the proposed AFBC Boiler (30 TPH).	Noted and are being complied.
8	FO-3.5 KL/Day & Gasifier Gas shall be used as a fuel in the Reheating Furnace. (03 Nos.)	Noted.
9	The AFBC Boiler shall be operated only when existing sponge iron kiln is not in operation (i.e. WHRB plant non operation phase) and hence total power generation shall not increase from existing 12 MW level in any case.	Noted & Being Complied.
10	Height of stack attached to induction Furnace (02 nos.) and Reheating Furnace (03 nos.) shall be at least 30 M and height of stack attached to AFBC Boiler shall be at least 47.24 M	Complied. We have maintained the adequate stack heights for both stacks (Induction Furnace & Reheating Furnace).
11	Bag Filters shall be provided as air pollution control system for induction Furnace (02 nos.) and Reheating Furnace (03 nos.). These bag filter shall be operated efficiently to achieve the norms prescribed by the GPCB at stack outlets.	Bag Filters have been provided as air pollution control system for Controlling Emission to achieve the norms prescribed by the GPCB at stack outlets. We have also conducted stack monitoring by third party NABL accredited lab and results are found within standards limit. <i>Please refer Annexure-1 as a third party stack monitoring reports.</i>
12	High efficiency Electrostatic Precipitators (ESP) with efficiency not less than 99.9% shall be provided as air pollution control system for the AFBC Boiler. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceed the specified standard utilization of boiler capacity shall be reduced so that flue gas emission from the stack meets with the specified norms of boiler shall shut down totally.	High efficiency Electrostatic Precipitators (ESP) has been provided to maintain GPCB norms. <i>Please refer Annexure-1 as stack monitoring reports of ESP.</i>
13	There shall be one extra field in the ESP to ensure that even though one field goes out of order, the efficiency of the ESP is not affected. In case of failure of two or more fields of the ESP, the unit shall immediately shut down the power plant.	Complied.
14	Online Monitoring System shall be installed on the boiler stack. This online monitoring system shall be interlocked with plant DCS system in such a manner that if concentration of particulate matter in flue gas emission exceeds the stipulated standard, utilization of boiler capacity shall reduce accordingly in order to bring down the particulate matter concentration below the stipulated standard. An arrangement shall also be done for reflecting the online monitoring results on the company's server which can be assessable by the GPCB on real time basis.	Complied Online Monitoring System (OCEMS) is provided at boiler stacks . Same data also transmitting to SPCB & CPCB servers.

15	The Company shall prepare schedule carry regular preventive Maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	Complied.
16	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.	Point noted and are being complied. Fugitive emissions are being monitored in the work zone environment on regular intervals. Fugitive emission monitoring conducted by third party NABL accredited lab and results are found within standards limits. <i>Please refer Annexure-2 as a fugitive monitoring reports.</i>
a.	Enclosure shall be provided at coal loading and unloading operation.	Complied.
b.	Water shall be sprayed on coal stock piles periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission.	Water Sprinkler System have been installed at Coal Storage area and water being sprayed on coal stock piles periodically to retain some moisture in top layer.  <i>Photos of water sprinkling at Coal Storage Area</i>
c.	All transfer points shall be fully enclosed.	All transfer points are fully enclosed. All transfer tower and conveyor belts are also covered for the reduce dust emission.  <i>All material transferred through closed conveyor belt system</i>
d.	Accumulated dust on the ground and other surface shall be removed/swept regularly and water the area after sweeping,	Accumulated dust on ground are being swept on a regular basis and water is being sprinkled after sweeping.
e.	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	WCL Plant periphery road are well constructed with solid Tar to reduce the fugitive emission during vehicular movement.

		<p>Internal paved road provided in plant premises for the reduce fugitive emission during vehicle movements and also housekeeping through vaccum truck on regular intervals.</p>  <p><i>Photo of road cleaning through vaccum Truck</i></p>
f.	<p>Air born coal dust shall be controlled with water sprinklers at suitable locations in the plant.</p>	<p>Water Sprinkler System are installed to control fugitive dust emission.</p>  <p><i>Photo of water sprinkling for dust suppression</i></p>
g.	<p>Coal shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only.</p>	<p>Noted & are being complied. Mostly materials transportation trucks are covered with with tarpaulin.</p>  <p><i>Photo of material covered truck</i></p>
17	<p>Third party performance Evaluation of the air pollution control system including ESP shall be carried out at least once in a year to check its performance and efficiency through a reputed institute like NPC, LD Collage of Engineering or such other institute of similar repute, and its records shall be maintained.</p>	<p>Third party performance evolution of the air pollution control system including ESP are being carried out once in a year by M/s Royal Environment Consultancy Services and its records are being maintained.</p>

18	Ambient air quality monitoring shall be carried out every month at three station at 180 degree and its records shall be maintained and furnished to the SEIAA & GPCB from time to time. If at any stage, any pollution is found to exceed the prescribe limit, necessary additional control measures shall be provided immediately.	Ambient air quality monitoring are being carried out every month & records are being maintained. <i>Please refer Annexure-3 as a Ambient Air Quality monitoring reports.</i>
A-3	HAZARDOUS / SOLID WASTE :	
19	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the hazardous waste rules 2008, as may be amended from time to time. Authorization from the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	We are following the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 & their subsequent amendments. We have obtained consolidated Consent & Authorization (CC&A) from Gujarat Pollution Control Board (GPCB) for collection /treatment / storage/disposal of hazardous wastes and Consent is valid up to 12.08.2025.  The screenshot shows two copies of an authorization order from the Gujarat Pollution Control Board (GPCB). The left copy is for 'Welspun Steel Ltd (19199)' and the right copy is for 'Welspun Steel Ltd, in newly granted authorization to operate facility for following hazardous wastes on the premises situated at Survey no-600/62/63/205, 1st Warehouse, Tarapur, Dist. Kutch'. Both copies include details of consent orders, waste management schedules, and conditions of authorization. A table in the left copy lists waste types and their quantities: Sludge (2500 MT), MS Parts & Scales (26,000 MT), and Tapes & Scales (18,000 MT). The right copy includes a table for waste management: Hazard Oil (1.14 MT/year, 1.1 collection, storage, transportation and disposal by selling to registered handlers with plant permits) and Discarded consumables (2.16 MT/year, 1-3.3 collection, transportation and disposal by selling to authorized processors).
20	Hazardous waste sludge shall be packed and stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.	Complied.
21	The discarded containers/barrels/bags/liners/ shall be sold only to the register recycler after decontamination.	The discarded containers/barrels/bags/liners/ are being sold only to the register recycler of Gujarat Pollution Control Board. Hazardous waste disposal and sent to authorised vendor through online manifest system via GPCB XGN only.
22	The used oil shall be sold to only to the registered recycler.	Used Oil are being sold to authorized registered recycler of Gujarat Pollution Control Board.
23	Ash pond shall not be constructed for the storage of the fly ash and the fly ash shall be stored in closed RCC silos only. The unit shall strictly comply with Fly Ash Notification under EPA and it shall be ensured that there is 100 % utilization of ash to be generated from the unit.	Noted and are being Complied.
24	Slag shall be utilized in brick manufacturing or road construction or sold as aggregate for construction activity.	Noted and are being Complied.
25	Mill scale shall be completely reused in the process.	Noted and are being Complied.
A-4	SAFETY :	

26	Fire Protection system based on National Fire Protection Association (NFPA) approved guideline shall be provided. It shall consist of fire hydrant system all-round the plant area and storage yards, high velocity water spray system for transformers, automatic fire detection and alarm, manual fire alarm system, portable fire extinguisher etc.	We have installed Fire Extinguishers at the surrounding area in the plant. We have 04 Nos. of Fire Tender and Emergency Teams at Welspun City.
27	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Personal Protective Equipment are being provided to workers and its uses are being insured & supervised. Safety Helmet & Safety shoes are mandatory for workers Other PPEs are being provided as per work place requirement.
28	First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times.	One Paramedical staff is deployed at First Aid Center. First Aid Box is available at each designated plant area.
29	Hazardous materials storage shall be at an isolated designed location. Storage and use of hazardous chemicals shall be minimized to extent possible and all necessary precaution shall be taken to mitigate the risk generated out of it.	Complied.
30	Storage of hazardous chemicals shall be multiple small capacity tanks/containers instead of on single large capacity tank of safety purpose.	Noted and are being Complied.
31	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dykes walls shall be provided for the storage tanks. Close handling system for chemicals shall be provided.	Noted.
32	All transporting routes within the factory premises shall paved roads to minimize splashes and spillages.	All transporting routes within the factory premises have been paved roads to minimize splashes and spillages.
33	All efforts shall be made for automization of molten metal handling and human exposure to the molten metal shall be avoided as far as possible.	Noted and are being Complied.
34	Training shall be imparted to all the workers on safety and health aspects of molten metal handling heat stress etc to avoid its impact on human being.	Regular training is being imparted to all the workers on safety and health aspects of molten metal handling heat stress etc to avoid its impact on human beings.
35	Occupational health surveillance of the worker shall be carried out on regular basis and records shall be maintained as per factories Act and Rules. Pre-employment and periodical post-employment medical examination for all workers shall be undertaken as per the statutory requirements.	Noted and are being Complied.
36	At all the times, necessary tie up with the nearby doctor qualified / hospital for occupation health shall be made to ensure that the medical treatment is given within the shortest time in case of any adverse condition.	Complied. We have also deployed qualified doctor and occupational staff including ambulance incase of any emergency/ adverse condition occurs.
37	Sufficient ventilation, exhausts shall be provided to maintain the temperature within the work area. Temperature indicators shall be provided at the vulnerable places in consultation with Directors of Safety and Health.	Noted and are being Complied.

38	The project management shall strictly comply with the provisions made in Manufacture Storage and Impact of Hazardous Chemical Rules, 1989 as amended 2000 for handling of hazardous chemical.	Noted.
39	All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules.	Transportation of generated hazardous waste through online manifest system only and same record also maintained and submitted in HZW annual return Form-IV.
40	The Project Management shall prepare a detailed Disaster Management Plan (DMP) for the project as per guideline from Directorate of Industrial Safety & Health.	Noted.
A-5	NOISE :	
41	To minimize the noise pollution the following noise control measures shall be implemented.	
	a. Selection of any new plant equipment shall be made with specification of the low noise levels.	Complied.
	b. Manufactures / suppliers of major noise generating machines/equipment like air compressor, feeder pumps, turbine generators, etc. shall be instructed to make required design modification wherever possible before supply and installation to mitigate the noise generation and to comply with national / international regulatory norm with respect to noise generation for individual units.	Noted.
	c. Regular maintenance of machinery and vehicle shall be undertaken to reduce the noise impact.	Noted and complied. Regularly maintenance done for machinery and also in practice for the Vehicle entry inside plant premises with Valid PUC only for reduce environmental impact.
	d. Noise Suppression measures such as enclosures, buffers and /or protective measures shall be provided.	Noted and are being complied. Adequate enclosure and measures also provided for noise protection.
	e. Employees shall be provided with ear protection measures like earplug or earmuffs.	Noted and are being Complied.
	f. Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipment's to reduce noise generation.	Noted and are being Complied.
	g. Construction equipment generating minimum noise and vibration shall be closed.	Noted and are being Complied.
	h. Ear plugs and muffs shall be made compulsory for the construction worker working near the noise generating activities/machine/equipment.	Noted and are being Complied.
	i. Vehicle and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.	Noted and are being Complied.
	j. Construction equipment meeting the norms specified by EPA Act-1986 shall only be used.	Noted and are being Complied.
	k. Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.	Noted and are being Complied.


	i. Noise level shall be reduced by the use of adequate mufflers on all motorized equipment.	Noted and are being Complied.
42	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencer, enclosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment Protection Act and Rules. Workplace noise levels for workers shall be as per the Factory Act & Rules.	Noted and are being Complied. Workplace monitoring performed on regular interval through third party NABL accredited agency. <i>Please refer Annexure-4 as a Workplace Monitoring reports.</i>
A-6	CLEANER PRODUCTION AND WASTE MINIMISATION :	
43	The unit shall undertake the cleaner production assessment study through a reputed institute/organization and shall form a CP team in the company. The recommendation thereof along with the compliance shall be furnished to the GPCB.	Noted.
44	The Company shall undertake following waste minimization measures.	
	a. Metering and control of quantities of actives ingredients to minimize waste.	Noted & are being Complied.
	b. Reuse of by-products from the process as raw materials or raw materials substitutes in other process.	Noted & are being Complied.
	c. Use of automated and enclosed filling to minimize spillages.	Complied.
	d. Use of close system.	Complied. We have closed loop system for all processes (Raw material conveying, Storage yard, other processes covered with shed for minimum impact on environment.
	e. Dry cleaning / mopping of floor instead of floor washing.	Complied.
	f. Use of high pressure hoses for equipment cleaning to reduce waste water generation.	Complied.
	g. Regular preventive maintenance for avoiding leakage, spillage etc.	Noted & being Complied.
A-7	GREEN BELT AND OTHER PLANTATION :	


45	<p>The unit Shall develop green belt in at least 11.48 hectares area within premises as proposed. Green belt of average 15 M width comprising of rows of varying height tall trees with thick foliage shall be developed in the periphery of the factory premises.</p>	<p>We have developed massive greenbelt inside plant premises and also nearby factory premises boundaries.</p> <p>Photographs of the greenbelt and plantation developed inside plant premises and plant boundaries.</p>
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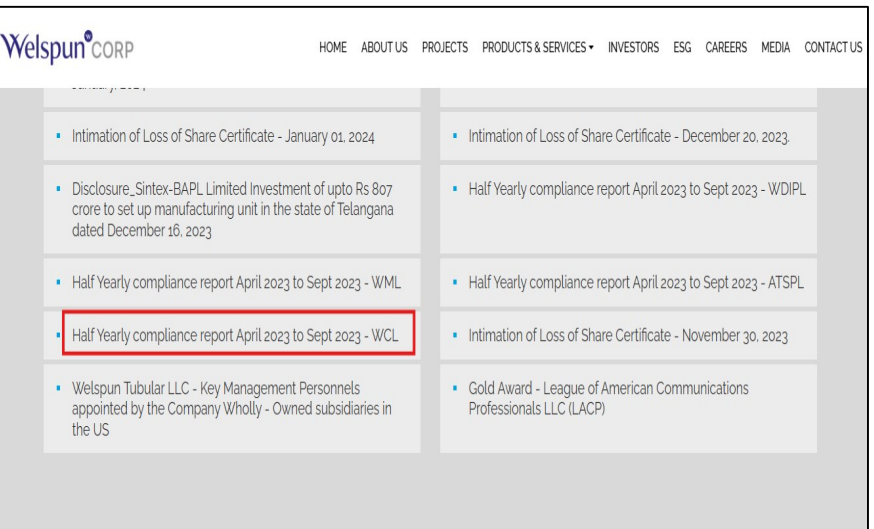
Wespun Green Belt



[Glimpses of the Greenbelt developed inside plant premises and nearby plant boundaries](#)

46	Drip irrigation system shall be used green belt development.	<p>We have arranged the Water Tanker & Water Pipeline supply for green belt development.</p>  <p><u>Photo of Drip Irrigation system for green belt development</u></p>
47	The unit shall also take up adequate plantation at suitable open land on road side and other open areas in nearby villages or schools in consultation with the Gram Panchayat / GPCB and submit an action plan for the same for next three years to the GPCB.	Complied.
B.	GENERAL CONDITIONS :	
48	In the event of failures of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted & shall be Complied.
49	The company shall vigorously follow the recommendation mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the CPCB.	Noted.
50	All the issues raised in the public hearing shall be comprehensively addressed / complied with a time bound manner.	Complied.
51	The project proponent shall adhere to their commitments made during the public hearing held on 17/09/2010 viz. to incur Rs.42 crore towards Socio-Economic development, preference to local employment etc.	Complied.
52	A separate Environment Management Cell equipped with full-fledged laboratory facilities and qualified personal shall be set up to carry out the environment management and monitoring functions and a separates budget shall be allocated for this purpose.	Complied. We have well-qualified persons in environment management cell for the environment protection purpose.

		 <p><i>Fig. Environment Management Cell structure at Anjar site</i></p>
53	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year wise expenditure on environment safeguards shall be reported.	Complied.
54	Pucca flooring / impervious bottom shall be provided in the work areas, chemical storage areas and chemical handling area to minimize soil contamination.	Complied.
55	Leakages from the pipes, pumps shall be minimal and if occurs shall be arrested promptly. During material transfer, spillages shall be avoided and garland drain be constructed.	Complied.
56	The project management shall also comply with all the recommendation made in the EIA/EMP report of the project and the undertaking submitted by the project Management.	Complied.
57	The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Noted & shall be Complied.
58	No further expansion or modification in the plant shall be carried out without prior approval of the MoEF / SEIAA as the case may be. In case of deviations of alteration in the project proposal from those submitted to MOEF/SEIAA/SEAC for clearance, a fresh reference shall be made to the SEIAA/SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted & shall be Complied.
59	The project authorities shall earmark adequate funds to implement the condition stipulated by SEIAA as well as GPCB along with the implementation schedule for all the condition stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied.

60	The applicant shall inform the public that the project has been accorded environmental clearance by SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of clearance letter in at least two local Newspapers that are widely circulated in the region , one of which shall be in the Gujarati language and other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied.
61	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each Calendar year.	Noted & Complied. We have submitted half-yearly EC Compliance report condition wise in soft copy to concerned authority within timeline. Same Compliance report also uploaded on company website.
	 <p><i>Submitted copy of EC Compliance report</i></p>	 <p><i>Screenshot of Compliance report upload on company website</i></p>
62	The Project authority shall also adhere to the stipulations made by the GPCB.	Noted & shall be Complied.
63	The project authorities shall inform the GPCB , regional office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied.
64	The SEIAA may revoke or suspend the clearance, if implementation of any of the above condition is not found satisfactory.	Noted.
65	The above conditions shall be enforced Inter-alia under the provisions of the Water (Prevention & Control of Pollution) act-1974, Air (Prevention & Control of Pollution) act-1981. The Environment protection Act, 1986, Hazardous Waste Rules-2008 and the Public Liability Insurance Act-1991 along with their amendments and rules.	Noted & shall be Complied.



Royal

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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 701/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	26/04/2024	26/04/2024
03	Time of Sampling	---	---	10 : 00	10:45
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	133	137.0
07	Ambient Temperature	° C	---	30	30.0
08	Average Velocity of Flue Gases	M/Sec.	---	8.4	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	24	19.0
10	P.M.	mg/Nm ³	100	57	53
11	SO ₂	ppm	100	31	29
12	NO _x	ppm	50	23	26

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



Royal Environment Auditing & Consultancy Service

Analyst



Royal

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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 702/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist., Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	---	---
03	Time of Sampling	---	---	---	---
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	---
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not	Not
07	Ambient Temperature	° C	---	Running	Running
08	Average Velocity of Flue Gases	M/Sec.	---	During	During
09	Isokinetic flow rate for P.M. Sampling	LPM	---	Visit	Visit
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 : 14/01/2024



Royal Environment Auditing & Consultancy Service

Analyst



Royal

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.: 703/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	26/04/2024	26/04/2024
03	Time of Sampling	---	---	11:30	12:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	57	62
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	6.9	7.5
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	25
10	P.M.	mg/Nm ³	150	57	59

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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

Ref. No.: 704/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	26/04/2024	26/04/2024
03	Time of Sampling	---	---	14:00	14:45
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	68	71
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	8.1
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	19
10	P.M.	mg/Nm ³	150	57	53

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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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 : royatenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 705/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	27/04/2024	27/04/2024	27/04/2024
03	Time of Sampling	---	---	10:15	10:45	11:30
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	65	67	63
07	Ambient Temperature	° C	---	29	29	29
08	Average Velocity of Flue Gases	M/Sec	---	7.5	7.9	8.1
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	19	20
10	P.M.	mg/Nm³	150	57	56	54

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 706/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	27/04/2024	27/04/2024
03	Time of Sampling	---	---	12:15	14:15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	65	59
07	Ambient Temperature	° C	---	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.0	7.6
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	24
10	P.M.	mg/Nm ³	150	57	53

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 707/04/2024-25

Date : 30/04/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	27/04/2024	27/04/2024
03	Time of Sampling	---	---	14:15	15:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	127	115
07	Ambient Temperature	° C	---	31	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	8
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	23
10	P.M.	mg/Nm ³	100	52	57

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 801/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	16/05/2024	16/05/2024
03	Time of Sampling	---	---	10:15	10:50
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	135	141.0
07	Ambient Temperature	° C	---	32	33.0
08	Average Velocity of Flue Gases	M/Sec.	---	8.1	7.3
09	Isokinetic flow rate for P.M. Sampling	LPM	---	23	22.0
10	P.M.	mg/Nm ³	100	59	55
11	SO ₂	ppm	100	29	30
12	NO _x	ppm	50	24	25

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ref. No.: 802/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

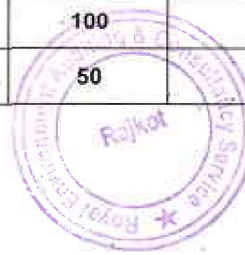
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	--	--
03	Time of Sampling	---	---	--	--
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	--
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not	Not
07	Ambient Temperature	° C	---	Running	Running
08	Average Velocity of Flue Gases	M/Sec.	---	During	During
09	Isokinetic flow rate for P.M. Sampling	LPM	---	Visit	Visit
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 : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 803/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

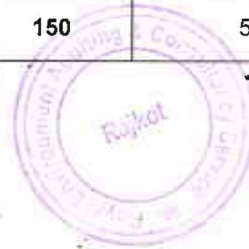
Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	16/05/2024	16/05/2024
03	Time of Sampling	---	---	11:30	12:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	60	62
07	Ambient Temperature	° C	---	33	33
08	Average Velocity of Flue Gases	M/Sec.	---	7.3	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	24	23
10	P.M.	mg/Nm ³	150	59	63

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ref. No.: 804/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	16/05/2024	16/05/2024
03	Time of Sampling	---	---	14:30	15:15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	70	73
07	Ambient Temperature	° C	---	33	33
08	Average Velocity of Flue Gases	M/Sec.	---	7.4	8.6
09	Isokinetic flow rate for P.M. Sampling	LPM	---	24	20
10	P.M.	mg/Nm ³	150	61	55

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A

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Ph.: +91-9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 805/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	17/05/2024	17/05/2024	17/05/2024
03	Time of Sampling	---	---	10:00	10:40	11:20
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	68	70	68
07	Ambient Temperature	° C	---	30	31	32
08	Average Velocity of Flue Gases	M/Sec.	---	7.3	7.9	8.5
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	23	18
10	P.M.	mg/Nm ³	150	55	58	61

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A

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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No : 806/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	17/05/2024	17/05/2024
03	Time of Sampling	---	---	12:00	14:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	76	61
07	Ambient Temperature	° C	---	33	33
08	Average Velocity of Flue Gases	M/Sec.	---	8.9	6.8
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	23
10	P.M.	mg/Nm ³	150	60	59

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 807/05/2024-25

Date : 31/05/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

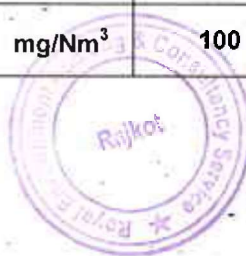
Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	17/05/2024	17/05/2024
03	Time of Sampling	---	---	14:30	'15:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	129	117
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	5
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	24
10	P.M.	mg/Nm ³	100	55	56

Instruments Used : Ecotech stack monitoring kit ESS - 100,
Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ph.: +91 9099919954 ■ E-mail: royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 901/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	05/06/2024	05/06/2024
03	Time of Sampling	---	---	10:30	11:15
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	129	135.0
07	Ambient Temperature	° C	---	29	29.0
08	Average Velocity of Flue Gases	M/Sec.	---	8.4	7.6
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	24.0
10	P.M.	mg/Nm ³	100	61	58
11	SO ₂	ppm	100	27	26
12	NO _x	ppm	50	23	27

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 902/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	--	--
03	Time of Sampling	---	---	--	--
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	--
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not	Not
07	Ambient Temperature	° C	---	Running	Running
08	Average Velocity of Flue Gases	M/Sec.	---	During	During
09	Isokinetic flow rate for P.M. Sampling	LPM	---	Visit	Visit
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 : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 903/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	05/06/2024	05/06/2024
03	Time of Sampling	---	---	11:45	12:15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	63	65
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	8.3
09	Isokinetic flow rate for P.M. Sampling	LPM	---	19	20
10	P.M.	mg/Nm ³	150	62	65

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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Ref. No.: 904/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	05/06/2024	05/06/2024
03	Time of Sampling	---	---	14:15	15:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	68	71
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	8.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	19
10	P.M.	mg/Nm ³	150	63	59

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ref. No.: 905/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	06/06/2024	06/06/2024	06/06/2024
03	Time of Sampling	---	---	11.00	11.30	12.10
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	65	73	69
07	Ambient Temperature	° C	---	30	30	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.1	6.7	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	22	19
10	P.M.	mg/Nm ³	150	58	57	60

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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

Ref. No.: 906/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	06/06/2024	06/06/2024
03	Time of Sampling	---	---	14.00	14.30
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	73	67
07	Ambient Temperature	° C	---	32	32
08	Average Velocity of Flue Gases	M/Sec.	---	7.2	7.1
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	20
10	P.M.	mg/Nm³	150	57	61

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 907/06/2024-25

Date : 29/06/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	06/06/2024	06/06/2024
03	Time of Sampling	---	---	15:00	'15:45
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	125	119
07	Ambient Temperature	° C	---	32	32
08	Average Velocity of Flue Gases	M/Sec.	---	7.6	7
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	21
10	P.M.	mg/Nm³	100	59	60

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 111/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	20/07/2024	20/07/2024
03	Time of Sampling	---	---	10:00	10:45
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	131	137.0
07	Ambient Temperature	° C	---	31	28.0
08	Average Velocity of Flue Gases	M/Sec.	---	7.4	7.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	23	22.0
10	P.M.	mg/Nm ³	100	61	59
11	SO ₂	ppm	100	26	28
12	NO _x	ppm	50	22	25

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 112/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	--	--
03	Time of Sampling	---	---	--	--
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	--
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not	Not
07	Ambient Temperature	° C	---	Running	Running
08	Average Velocity of Flue Gases	M/Sec.	---	During	During
09	Isokinetic flow rate for P.M. Sampling	LPM	---	Visit	Visit
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 : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 113/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	20/07/2024	20/07/2024
03	Time of Sampling	---	---	11:15	12:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	60	62
07	Ambient Temperature	° C	---	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	7.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	21
10	P.M.	mg/Nm ³	150	64	62

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 114/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	20/07/2024	20/07/2024
03	Time of Sampling	---	---	14:00	14:45
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	65	62
07	Ambient Temperature	° C	---	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	7.7
09	Isokinetic flow rate for P.M. Sampling	LPM	---	18	17
10	P.M.	mg/Nm³	150	65	61

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 115/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	20/07/2024	22/07/2024	22/07/2024
03	Time of Sampling	---	---	15.30	10.15	10.45
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	62	68	71
07	Ambient Temperature	° C	---	29	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	6.9	7.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	19	22	20
10	P.M.	mg/Nm ³	150	56	55	53

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

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Ref. No.: 116/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	22/07/2024	22/07/2024
03	Time of Sampling	---	---	11.30	12.15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	75	65
07	Ambient Temperature	° C	---	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	7.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	21
10	P.M.	mg/Nm ³	150	59	62

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ref. No.: 117/07/2024-25

Date : 31/07/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	06/06/2024	06/06/2024
03	Time of Sampling	---	---	14.00	14
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	128	121
07	Ambient Temperature	° C	---	29	29
08	Average Velocity of Flue Gases	M/Sec.	---	7.2	6
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	22
10	P.M.	mg/Nm ³	100	62	65

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024


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Ph.: +91 9099919954 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 211/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	20/08/2024	20/08/2024
03	Time of Sampling	---	---	10 : 15	10 : 50
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	132	134.0
07	Ambient Temperature	° C	---	29	29.0
08	Average Velocity of Flue Gases	M/Sec.	---	7.8	6.6
09	Isokinetic flow rate for P.M. Sampling	LPM	---	24	28.0
10	P.M.	mg/Nm ³	100	63	58
11	SO ₂	ppm	100	27	24
12	NO _x	ppm	50	23	22

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref. No.: 212/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	--	--
03	Time of Sampling	---	---	--	--
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	--
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not	Not
07	Ambient Temperature	° C	---	Running	Running
08	Average Velocity of Flue Gases	M/Sec.	---	During	During
09	Isokinetic flow rate for P.M. Sampling	LPM	---	Visit	Visit
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 : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref No : 213/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	20/08/2024	20/08/2024
03	Time of Sampling	---	---	11:20	12:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	63	65
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	7.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	18	8.2
10	P.M.	mg/Nm ³	150	67	63

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royallengironment@live.com ■ admin@royalconsultancy.com

Ref. No : 214/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	20/08/2024	20/08/2024
03	Time of Sampling	---	---	14:15	14:45
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	67	63
07	Ambient Temperature	° C	---	30	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.2	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	19	21
10	P.M.	mg/Nm ³	150	63	66

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ref No : 215/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	21/08/2024	21/08/2024	21/08/2024
03	Time of Sampling	---	---	10.00	10.30	11.00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	64	63	70
07	Ambient Temperature	° C	---	30	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	6.8	7.5
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	22	18
10	P.M.	mg/Nm ³	150	59	60	57

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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Ref No.: 216/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	21/08/2024	21/08/2024
03	Time of Sampling	---	---	11.30	12.15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	73	68
07	Ambient Temperature	° C	---	31	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	8.4
09	Isokinetic flow rate for P.M. Sampling	LPM	---	18	22
10	P.M.	mg/Nm ³	150	61	63

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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Ph.: +91 9099919954 ■ E-mail : royaltenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 217/08/2024-25

Date : 31/08/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	21/08/2024	21/08/2024
03	Time of Sampling	---	---	14.15	15.00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	131	126
07	Ambient Temperature	° C	---	31	31
08	Average Velocity of Flue Gases	M/Sec.	---	6.9	8
09	Isokinetic flow rate for P.M. Sampling	LPM	---	21	23
10	P.M.	mg/Nm ³	100	64	62

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024



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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 311/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 1	Stack No. 2
01	Stack Attached to	---	---	Kiln Exit 1 & 2	Kiln Exit 3 & 4
02	Date of Sampling	---	---	12/09/2024	12/09/2024
03	Time of Sampling	---	---	10 : 30	11 : 15
04	Air Pollution Control Measures	---	---	Dust Settling Chamber, Bag Filter ESP	ESP with each Kiln
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	130	128.0
07	Ambient Temperature	° C	---	30	30.0
08	Average Velocity of Flue Gases	M/Sec.	---	7.9	6.7
09	Isokinetic flow rate for P.M. Sampling	LPM	---	23	20.0
10	P.M.	mg/Nm ³	100	65	60
11	SO ₂	ppm	100	29	26
12	NO _x	ppm	50	26	23

Instruments Used : Ecotech stack monitoring kit ESS - 100,

Calibration Done on : 14/01/2024

* Permissible limits as per GPCB CC&A



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

Ref. No.: 312/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist,: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 3	Stack No. 5
01	Stack Attached to	---	---	Boiler of CPP - 30 TPH	D. G. Set
02	Date of Sampling	---	---	---	---
03	Time of Sampling	---	---	---	---
04	Air Pollution Control Measures	---	---	ESP & Wet Scrubber	---
05	Stack Height	Meter	---	30	30
06	Stack Temperature	° C	---	Not Running During Visit	Not Running During Visit
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 : 14/01/2024

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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. : 313/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address : Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 6	Stack No. 7
01	Stack Attached to	---	---	Iron Ore Crusher Screen House	Coal Crusher Screen House
02	Date of Sampling	---	---	12/09/2024	12/09/2024
03	Time of Sampling	---	---	11:45	12:15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	64	68
07	Ambient Temperature	° C	---	31	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	19	21
10	P.M.	mg/Nm ³	150	69	65

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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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 : 314/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 8	Stack No. 9
01	Stack Attached to	---	---	Stock House- 1	Stock House-2
02	Date of Sampling	---	---	12/09/2024	12/09/2024
03	Time of Sampling	---	---	14 : 30	15 : 00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	17	17
06	Stack Temperature	° C	---	69	65
07	Ambient Temperature	° C	---	31	31
08	Average Velocity of Flue Gases	M/Sec.	---	7.4	8.2
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	23
10	P.M.	mg/Nm ³	150	65	68

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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

Ref. No.: 315/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 10	Stack No. 11	Stack No. 12
01	Stack Attached to	---	---	Coal Injector-1	Coal Injector-2	Intermediate Bin
02	Date of Sampling	---	---	13/09/2024	13/09/2024	13/09/2024
03	Time of Sampling	---	---	14.00	14.30	15.00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter	Bag Filter
05	Stack Height	Meter	---	12	12	22
06	Stack Temperature	° C	---	66	65	71
07	Ambient Temperature	° C	---	30	30	30
08	Average Velocity of Flue Gases	M/Sec	---	7.8	6.5	7.4
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	21	20
10	P.M.	mg/Nm ³	150	57	59	61

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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

Ref. No.: 316/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 13	Stack No. 14
01	Stack Attached to	---	---	Raw Material Junction House	Production Separation
02	Date of Sampling	---	---	13/09/2024	13/09/2024
03	Time of Sampling	---	---	11.45	12:00
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	20	15
06	Stack Temperature	° C	---	75	72
07	Ambient Temperature	° C	---	34	33
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	7.9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	20	24
10	P.M.	mg/Nm ³	150	63	65

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024


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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.: 317/09/2024-25

Date : 30/09/2024

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limit	Stack No. 15	Stack No.16
01	Stack Attached to	---	---	ET Furnace - SMS	IT Furnace - SMS
02	Date of Sampling	---	---	14/09/2024	14/09/2024
03	Time of Sampling	---	---	10.30	11.15
04	Air Pollution Control Measures	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	---	---	---
06	Stack Temperature	° C	---	135	129
07	Ambient Temperature	° C	---	30	30
08	Average Velocity of Flue Gases	M/Sec.	---	7.5	9
09	Isokinetic flow rate for P.M. Sampling	LPM	---	22	24
10	P.M.	mg/Nm ³	100	65	64

Instruments Used : Ecotech stack monitoring kit ESS - 100,

* Permissible limits as per GPCB CC&A

Calibration Done on : 14/01/2024

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

Annexure-2

Ref. No. : 714/04/2024-25

Date : 30/04/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Date of Sampling : 27/04/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during				11:00 to 11:30 AM
01	Raw Material Handling Area	Screen Area	2000	1249
02		Transfer Point	2000	1267
03	Crusher Area	Crushing Point	2000	1375
04		Transfer Point	2000	1457
05	Raw Material Feed Area	Feeder Area	2000	1265
06		Mixing Area	2000	1395
07	Cooler discharge Area	Transfer Point	2000	1547
08	Product processing Area	Product Separation Area	2000	1369
09		Bagging Area	2000	1467
10		Intermediate Stock bin Area	2000	1265

Instruments Used : HVS APM 430, RDS-AAS 217, Calibration done on.: 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012.



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

Ref. No. : 814/05/2024-25

Date : 31/05/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 17/05/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during				11:00 to 11:30 AM
01	Raw Material Handling Area	Screen Area-	2000	1276
02		Transfer Point	2000	1257
03	Crusher Area	Crushing Point	2000	1357
04		Transfer Point	2000	1357
05	Raw Material Feed Area	Feeder Area	2000	1275
06		Mixing Area	2000	1325
07	Cooler discharge Area	Transfer Point	2000	1276
08	Product processing Area	Product Separation Area	2000	1329
09		Bagging Area	2000	1576
10		Intermediate Stock bin Area	2000	1329

Instruments Used : HVS APM 430, RDS-AAS 217; Calibration done on : 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012.



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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. : 914/06/2024-25

Date : 29/06/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 17/05/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during				11:00 to 11:30 AM
01	Raw Material Handling Area	Screen Area	2000	1286
02		Transfer Point	2000	1268
03	Crusher Area	Crushing Point	2000	1345
04		Transfer Point	2000	1392
05	Raw Material Feed Area	Feeder Area	2000	1296
06		Mixing Area	2000	1369
07	Cooler discharge Area	Transfer Point	2000	1294
08	Product processing Area	Product Separation Area	2000	1392
09		Bagging Area	2000	1524
10		Intermediate Stock bin Area	2000	1345

Instruments Used : HVS APM 430, RDS-AAS 217, Calibration done on: 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012



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Ph.: +91 9099919954 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 124/07/2024-25

Date : 31/07/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 20/07/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during				11:00 to 11:30 AM
01	Raw Material Handling Area	Screen Area	2000	1293
02		Transfer Point	2000	1274
03	Crusher Area	Crushing Point	2000	1325
04		Transfer Point	2000	1368
05	Raw Material Feed Area	Feeder Area	2000	1309
06		Mixing Area	2000	1324
07	Cooler discharge Area	Transfer Point	2000	1245
08	Product processing Area	Product Separation Area	2000	1329
09		Bagging Area	2000	1259
10		Intermediate Stock bin Area	2000	1429

Instruments Used : HVS APM 430, RDS-AAS 217, Calibration done on.: 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012.

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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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref No : 224/08/2024-25

Date : 31/08/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Date of Sampling : 21/08/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
Monitoring is carried out during				11:00 to 11:30 AM
01	Raw Material Handling Area	Screen Area	2000	1286
02		Transfer Point	2000	1255
03	Crusher Area	Crushing Point	2000	1365
04		Transfer Point	2000	1395
05	Raw Material Feed Area	Feeder Area	2000	1385
06		Mixing Area	2000	1392
07	Cooler discharge Area	Transfer Point	2000	1272
08	Product processing Area	Product Sepration Area	2000	1324
09		Bagging Area	2000	1224
10		Intermediate Stock bin Area	2000	1465

Instruments Used : HVS APM 430, RDS-AAS 217, Calibration done on : 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012.

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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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No : 324/09/2024-25

Date : 30/09/2024

ANALYSIS RESULT OF FUGITIVE EMISSION

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Date of Sampling : 13/09/2024

Sample Collected by : Royal Environment

Sr. No.	Area	Monitoring Location	Permissible Limit**	SPM Level ($\mu\text{g}/\text{Nm}^3$)
				11:00 to 11:30 AM
Monitoring is carried out during				
01	Raw Material Handling Area	Screen Area	2000	1275
02		Transfer Point	2000	1265
03	Crusher Area	Crushing Point	2000	1375
04		Transfer Point	2000	1324
05	Raw Material Feed Area	Feeder Area	2000	1293
06		Mixing Area	2000	1364
07	Cooler discharge Area	Transfer Point	2000	1239
08	Product processing Area	Product Separation Area	2000	1345
09		Bagging Area	2000	1239
10		Intermediate Stock bin Area	2000	1339

Instruments Used : HVS APM 430, RDS-AAS 217, Calibration done on : 01/01/2024

** Permissible Limits are as per MoEF Notification 31st March 2012.

Royal Environment Auditing & Consultancy Service

Analyst



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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

Annexure-3

Ref. No.: 708/04/2024-25

Date : 30/04/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	----	--	Nr. Main Security Gate
02.	Date of sampling	----	--	26/04/2024
03.	Time of sampling	Hr.	--	09:15
04.	Dominant Wind Direction (From)	----	--	NE
05.	Ambient Temperature	° C	--	29.0
06.	Wind Speed	Km./Hr.	--	3 to 17
07.	Average flow rate during sampling	m ³ /minute	--	1.20
08.	Average flow rate for Gas sampling	LPM	--	0.2
09.	PM 2.5	µg/m ³	60	33
10.	PM 10	µg/m ³	100	57
11.	Measured Concentration of SO ₂	µg/m ³	80	14.3
12.	Measured Concentration of NO ₂	µg/m ³	80	23.5

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

Calibration Date: 13/01/2024

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

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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.: 709/04/2024-25

Date : 30/04/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	---	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	---	--	26/04/2024	27/04/2024	27/04/2024
03.	Time of sampling	Hr.	--	09:15	09:45	10:00
04.	Dominant Wind Direction (From)	---	--	NE	NE	NE
05.	Ambient Temperature	° C	--	29.0	29.0	29.0
05.	Wind Speed	Km./Hr.	--	3 to 17	3 to 17	3 to 17
06.	Average flow rate during sampling.	m ³ /minute	--	1.13	1.19	1.16
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08	PM 2.5	µg/m ³	60	28	26	29
09	PM 10	µg/m ³	100	53	57	53
10	Measured Concentration of SO ₂	µg/m ³	80	13.4	14.5	13.5
11	Measured Concentration of NO ₂	µg/m ³	80	23.1	22.4	22.9

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

Calibration Date: 13/01/2024

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

Royal Environment Auditing & Consultancy Service



Analyst



Royal

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 : 719/04/2024-25

Date : 30/04/2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH April - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Test Method As per IS Standards - 5182_23/24/6/2

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)							
			01	02	03	04	05	06	07	08
01.	No. of Week	---								
02	Date & Time Starting of Monitoring	---	02/04/2024 09:15	03/04/2024 09:45	09/04/2024 10:00	10/04/2024 10:15	16/04/2024 09:45	17/04/2024 10:00	23/04/2024 10:30	24/04/2024 11:00
03	Date & Time - Ending of Monitoring	---	03/04/2024 09:15	04/04/2024 09:45	10/04/2024 10:00	11/04/2024 10:15	17/04/2024 09:45	18/04/2024 10:00	24/04/2024 10:30	25/04/2024 11:00
04	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	NE	NE	SW	SW	NW	NW	SE	SE
06	Wind Speed Velocity	Km/Hr.	2 to 16	3 to 16	2 to 13	3 to 15	4 to 14	3 to 12	2 to 13	3 to 13
07	Average Flow Rate For PM2.5	m ³ /Hr.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM10	m ³ /Min.	1.12	1.18	1.22	1.17	1.13	1.18	1.20	1.23
09	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM2.5 *	µg/m ³	60	60	60	60	60	60	60	60
11.	Measured Concentration of PM2.5	µg/m ³	23.5	24.3	25.1	24.8	23.4	24.7	25.1	24.2
12.	Permissible Limits of PM10 *	µg/m ³	100	100	100	100	100	100	100	100
13.	Measured Concentration of PM10	µg/m ³	46.2	46.8	45.1	43.9	45.4	43.2	44.7	43.8
14.	Permissible Limits of SO ₂ *	µg/m ³	80	80	80	80	80	80	80	80
15.	Measured Concentration of SO ₂	µg/m ³	11.3	10.9	9.8	10.2	10.7	9.3	9.7	10.2
16.	Permissible Limits of NO ₂ *	µg/m ³	80	80	80	80	80	80	80	80
17.	Measured Concentration of NO ₂	µg/m ³	19.3	18.6	19.2	18.3	20.1	17.6	18.3	19.3

Instrument Used: 1) Ecotech make RDS, Model No. APM - 217BL & Gaseous Pollutants Sampler Model No. AAS-109, PM 2.5 Sampler AAS 127
Calibration Done On: 14/01/2024



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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.: 808/05/2024-25

Date : 30/04/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	----	--	Nr. Main Security Gate
02.	Date of sampling	----	--	16/05/2024
03.	Time of sampling	Hr.	--	09:30
04.	Dominant Wind Direction (From)	----	--	SW
05.	Ambient Temperature	° C	--	29.0
06.	Wind Speed	Km./Hr.	--	3 to 16
07.	Average flow rate during sampling	m ³ /minute	--	1.15
08.	Average flow rate for Gas sampling	LPM	--	0.2
09.	PM 2.5	µg/m ³	60	35
10.	PM 10	µg/m ³	100	58
11.	Measured Concentration of SO ₂	µg/m ³	80	15.7
12.	Measured Concentration of NO ₂	µg/m ³	80	24.9

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

Calibration Date: 13/01/2024

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



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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 809/05/2024-25

Date : 31/05/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	---	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	---	--	16/04/2024	16/04/2024	16/04/2024
03.	Time of sampling	Hr.	--	09:15	09:45	10:00
04.	Dominant Wind Direction (From)	---	--	SW	SW	SW
05.	Ambient Temperature	° C	--	29.0	29.0	29.0
05.	Wind Speed	Km./Hr.	--	3 to 16	3 to 16	3 to 16
06.	Average flow rate during sampling	m ³ /minute	--	1.12	1.16	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	27	26
09.	PM 10	µg/m ³	100	54	53	57
10.	Measured Concentration of SO ₂	µg/m ³	80	14.2	13.5	14.2
11.	Measured Concentration of NO ₂	µg/m ³	80	24.5	23.5	24.6

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

Calibration Date: 13/01/2024

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

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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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 819/05/2024-25

Date : 31/05/2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH MAY - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Test Method : As per IS Standards - 5182_23/24/6/2

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)										
			01		02		03		04		05		
01.	No. of Week	—											
02.	Date & Time Starting of Monitoring	—	01/05/2024 10:00	02/05/2024 10:15	06/05/2024 09:00	07/05/2024 09:15	13/05/2024 09:30	14/05/2024 09:45	20/05/2024 10:30	21/05/2024 10:45	27/05/2024 11:00	28/05/2024 11:15	
03.	Date & Time - Ending of Monitoring	—	02/05/2024 10:00	03/05/2024 10:15	07/05/2024 09:00	08/05/2024 09:15	14/05/2024 09:30	15/05/2024 09:45	21/05/2024 10:30	22/05/2024 10:45	28/05/2024 11:00	29/05/2024 11:15	
04.	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	
05.	Dominant Wind Direction (From)	—	SW	SW	NE	NE	SE	SE	NW	NW	SE	SE	
06.	Wind Speed Velocity	Km/Hr.	2 to 13	2 to 14	4 to 15	3 to 15	4 to 13	3 to 15	4 to 16	5 to 14	2 to 16	2 to 17	
07.	Average Flow Rate For PM2.5	m ³ /Hr	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
08.	Average Flow Rate For PM10	m ³ /Min	1.15	1.13	1.16	1.16	1.13	1.19	1.17	1.12	1.13	1.16	
09.	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
10.	Permissible Limits of PM2.5 *	µg/m ³	60	60	60	60	60	60	60	60	60	60	
11.	Measured Concentration of PM2.5	µg/m ³	24.6	26.3	25.7	23.9	25.8	26.9	27.8	26.9	25.4	26.9	
12.	Permissible Limits of PM10 *	µg/m ³	100	100	100	100	100	100	100	100	100	100	
13.	Measured Concentration of PM10	µg/m ³	49.8	48.7	46.7	45.6	48.7	47.3	47.9	48.3	50.1	50.3	
14.	Permissible Limits of SO ₂ *	µg/m ³	80	80	80	80	80	80	80	80	80	80	
15.	Measured Concentration of SO ₂	µg/m ³	12.3	10.9	11.5	13.4	12.5	12.9	13.1	14.5	10.3	11.6	
16.	Permissible Limits of NO ₂ *	µg/m ³	80	80	80	80	80	80	80	80	80	80	
17.	Measured Concentration of NO ₂	µg/m ³	20.1	22.4	23.4	21.5	22.4	24.3	21.3	22.6	23.4	22.5	

Instrument Used: 1) Ecotech make RDS, Model No.: APM - 217BL & Gaseous Pollutants Sampler Model No. AAS-109, PM 2.5 Sampler AAS 127
Calibration Done On: 14/01/2024

Royal Environment Auditing & Consultancy Service, Rajkot

Analyst



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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 : royalsenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 908/06/2024-25

Date : 29/06/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	----	--	Nr. Main Security Gate
02.	Date of sampling	----	--	05/06/2024
03.	Time of sampling	Hr.	--	09:00
04.	Dominant Wind Direction (From)	----	--	NW
05.	Ambient Temperature	° C	--	29.0
06.	Wind Speed	Km./Hr.	--	4 to 17
07.	Average flow rate during sampling	m ³ /minute	--	1.20
08.	Average flow rate for Gas sampling	LPM	--	0.2
09.	PM 2.5	µg/m ³	60	34
10.	PM 10	µg/m ³	100	59
11.	Measured Concentration of SO ₂	µg/m ³	80	12.4
12.	Measured Concentration of NO ₂	µg/m ³	80	23.5

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

Calibration Date: 13/01/2024

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



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Ph.: +91 9099919954 ■ E-mail : royalsenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 909/06/2024-25

Date : 29/06/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	---	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	---	--	05/06/2024	05/06/2024	05/06/2024
03.	Time of sampling	Hr.	--	09:15	09:45	10:00
04.	Dominant Wind Direction (From)	---	--	NW	NW	NW
05.	Ambient Temperature	° C	--	29.0	29.0	29.0
05.	Wind Speed	Km./Hr.	--	4 to 17	4 to 17	4 to 17
06.	Average flow rate during sampling	m ³ /minute	--	1.15	1.19	1.23
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	25	24	27
09.	PM 10	µg/m ³	100	57	58	52
10.	Measured Concentration of SO ₂	µg/m ³	80	12.4	13.5	12.9
11.	Measured Concentration of NO ₂	µg/m ³	80	21.5	22.4	23.5

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

Calibration Date: 13/01/2024

*Permissible Limits are as per NAAQ Standard 16th November 2002



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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. : 919/06/2024-25

29-06-2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH June - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Test Method As per IS Standards - 5182_23/24/02

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)							
			01		02		03		04	
01.	No. of Week	---								
02	Date & Time Starting of Monitoring	---	03/06/2024 09:15	04/06/2024 09:30	10/06/2024 09:30	11/06/2024 09:45	17/06/2024 09:30	18/06/2024 09:45	24/06/2024 10:15	25/06/2024 10:30
03	Date & Time - Ending of Monitoring	---	04/06/2024 09:15	05/06/2024 09:30	11/06/2024 09:30	12/06/2024 09:45	18/06/2024 09:30	19/06/2024 09:45	25/06/2024 10:15	26/06/2024 10:30
04	Duration of Sampling	Min	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	NE	NE	NE	NE	SW	SW	SE	SE
06	Wind Speed Velocity	Km/Hr	2 to 14	2 to 15	3 to 16	4 to 15	5 to 15	4 to 16	6 to 20	6 to 19
07	Average Flow Rate For PM2.5	m3/Hr	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM10	m3/Min	1.13	1.17	1.18	1.13	1.2	1.17	1.19	1.22
09	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM2.5 *	µg/m3	60	60	60	60	60	60	60	60
11	Measured Concentration of PM2.5	µg/m3	23.4	22.4	23.6	24.1	22.8	23.9	24.3	23.7
12.	Permissible Limits of PM10 *	µg/m3	100	100	100	100	100	100	100	100
13	Measured Concentration of PM10	µg/m3	45.7	46.7	44.8	44.9	45.8	45.7	44.8	43.9
14.	Permissible Limits of SO2 *	µg/m3	80	80	80	80	80	80	80	80
15	Measured Concentration of SO2	µg/m3	13.1	12.4	12.6	13.4	14.2	13.2	11.9	10.6
16.	Permissible Limits of NO2 *	µg/m3	80	80	80	80	80	80	80	80
17	Measured Concentration of NO2	µg/m3	22.7	23.1	22.9	23.7	22.8	23.8	24.7	25.6

Instrument Used: 1) Ecotech make RDS, Model No. - APM - 217BL & Gaseous Pollutants Sampler Model No. AAS-109, PM 2.5 Sampler AAS 127
Calibration Done On : 14/01/2024

Royal Environment Auditing & Consultancy Service, Rajkot




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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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 118/07/2024-25

Date : 31/07/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	----	--	Nr. Main Security Gate
02.	Date of sampling	----	--	22/07/2024
03.	Time of sampling	Hr.	--	8.30
04.	Dominant Wind Direction (From)	----	--	SE
05.	Ambient Temperature	° C	--	29.0
06.	Wind Speed	Km./Hr.	--	3 to 16
07.	Average flow rate during sampling	m ³ /minute	--	1.15
08.	Average flow rate for Gas sampling	LPM	--	0.2
09.	PM 2.5	µg/m ³	60	32
10.	PM 10	µg/m ³	100	57
11.	Measured Concentration of SO ₂	µg/m ³	80	13.5
12.	Measured Concentration of NO ₂	µg/m ³	80	22.7

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

Calibration Date: 13/01/2024

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

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Environment Auditing & Consultancy Service

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Ph.: +91 9099919954 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 119/07/2024-25

Date : 31/07/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	----	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	----	--	22/07/2024	22/07/2024	22/07/2024
03.	Time of sampling	Hr.	--	8.45	9.00	9.15
04.	Dominant Wind Direction (From)	----	--	SE	NW	NW
05.	Ambient Temperature	° C	--	29.0	29.0	29.0
05.	Wind Speed	Km./Hr.	--	3 to 16	3 to 16	3 to 16
06.	Average flow rate during sampling	m ³ /minute	--	1.16	1.19	1.2
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08	PM 2.5	µg/m ³	60	28	25	26
09	PM 10	µg/m ³	100	55	56	57
10	Measured Concentration of SO ₂	µg/m ³	80	11.8	12.4	11.5
11	Measured Concentration of NO ₂	µg/m ³	80	20.4	21.5	21.7

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

Calibration Date: 13/01/2024

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

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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 : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 129/07/2024-25

Date : 31/07/2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH July - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Test Method : As per IS Standards - 5182_23/24/6/2

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)									
			01		02		03		04		05	
01.	No. of Week	---										
02.	Date & Time Starting of Monitoring	---	01/07/2024 09:30	02/07/2024 09:45	08/07/2024 09:00	09/07/2024 09:15	15/07/2024 10:00	16/07/2024 10:15	22/07/2024 09:45	23/07/2024 10:00	29/07/2024 10:45	30/07/2024 11:00
03.	Date & Time - Ending of Monitoring	---	02/07/2024 09:30	03/07/2024 09:45	09/07/2024 09:00	10/07/2024 09:15	16/07/2024 10:00	17/07/2024 10:15	23/07/2024 09:45	24/07/2024 10:00	30/07/2024 10:45	31/07/2024 11:00
04.	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
05.	Dominant Wind Direction (From)	---	SW	SW	SE	SE	SE	SE	NE	NE	NW	NW
06.	Wind Speed Velocity	Km/Hr.	2 to 15	1 to 18	3 to 14	3 to 17	4 to 17	3 to 15	2 to 17	4 to 15	3 to 15	4 to 18
07.	Average Flow Rate For PM2.5	m3/Hr.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08.	Average Flow Rate For PM10	m3/Min.	1.15	1.16	1.12	1.15	1.19	1.13	1.17	1.19	1.20	1.22
09.	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM2.5 *	µg/m3	60	60	60	60	60	60	60	60	60	60
11.	Measured Concentration of PM2.5	µg/m3	24.6	25.7	23.2	25.7	24.2	26.3	27.2	28.1	26.5	27.6
12.	Permissible Limits of PM10 *	µg/m3	100	100	100	100	100	100	100	100	100	100
13.	Measured Concentration of PM10	µg/m3	43.9	45.7	46.2	47.3	44.9	45.1	48.6	46.4	48.6	47.2
14.	Permissible Limits of SO2 *	µg/m3	80	80	80	80	80	80	80	80	80	80
15.	Measured Concentration of SO2	µg/m3	13.5	11.7	12.9	11.1	11.2	12.6	11.8	13.4	12.7	12.2
16.	Permissible Limits of NO2 *	µg/m3	80	80	80	80	80	80	80	80	80	80
17.	Measured Concentration of NO2	µg/m3	21.7	22.6	23.4	24.5	22.9	21.3	23.4	21.5	22.2	21.8

Instrument Used: 1) Ecotech make RDS, Model No.: APM - 217BL & Gaseous Pollutants Sampler Model No. AAS-109, PM 2.5 Sampler AAS 127
Calibration Done On: 14/01/2024

Royal Environment Auditing & Consultancy Service, Rajkot



Analyst



Royal

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.: 218/08/2024-25

- Date : 31/08/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	---	--	Nr. Main Security Gate
02	Date of sampling	---	--	20/08/2024
03	Time of sampling	Hr.	--	9.00
04.	Dominant Wind Direction (From)	---	--	NE
05	Ambient Temperature	° C	--	30.0
06	Wind Speed	Km./Hr.	--	4 to 17
07	Average flow rate during sampling	m ³ /minute	--	1.20
08.	Average flow rate for Gas sampling	LPM	--	0.2
09	PM 2.5	µg/m ³	60	34
10	PM 10	µg/m ³	100	59
11.	Measured Concentration of SO ₂	µg/m ³	80	14.2
12.	Measured Concentration of NO ₂	µg/m ³	80	21.9

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

Calibration Date: 13/01/2024

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

Royal Environment Auditing & Consultancy Service



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Environment Auditing & Consultancy Service

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Ph.: +91 9099919954 ■ E-mail : royalservice@live.com ■ admin@royalconsultancy.com

Ref No.: 219/08/2024-25

Date : 31/08/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	---	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	---	--	20/08/2024	20/08/2024	20/08/2024
03.	Time of sampling	Hr.	--	9.15	9.30	9.45
04.	Dominant Wind Direction (From)	---	--	NE	NE	NE
05.	Ambient Temperature	°C	--	30.0	30.0	30.0
05.	Wind Speed	Km./Hr.	--	4 to 17	4 to 17	4 to 17
06.	Average flow rate during sampling	m ³ /minute	--	1.19	1.22	1.15
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	29	27	28
09.	PM 10	µg/m ³	100	53	56	58
10.	Measured Concentration of SO ₂	µg/m ³	80	12.7	11.9	11.7
11.	Measured Concentration of NO ₂	µg/m ³	80	21.6	22.7	21.4

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

Calibration Date: 13/01/2024

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

Royal Environment Auditing & Consultancy Service



Analyst



Royal

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 : 229/08/2024-25

Date : 31/08/2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH August - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Test Method : As per IS Standards - 5102, 2324/5/2

S No	Particulars	Unit	Location No - 1: Nr. Security Gate (Welspun Steel)									
			01		02		03		04		05	
01	No. of Week	—										
02	Date & Time Starting of Monitoring	—	01/08/2024 08:45	02/08/2024 09:00	08/08/2024 09:15	09/08/2024 09:30	12/08/2024 09:45	13/08/2024 10:00	20/08/2024 09:30	21/08/2024 09:45	27/08/2024 10:00	28/08/2024 10:15
03	Date & Time - Ending of Monitoring	—	02/08/2024 08:45	03/08/2024 09:00	09/08/2024 09:15	10/08/2024 09:30	13/08/2024 09:45	14/08/2024 10:00	21/08/2024 09:30	22/08/2024 09:45	28/08/2024 10:00	29/08/2024 10:15
04	Duration of Sampling	Min	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (from)	—	NE	NE	SW	SW	SE	SE	NW	NW	SE	SE
06	Wind Speed Velocity	Km/Hr	3 to 13	2 to 12	4 to 16	3 to 15	3 to 18	3 to 17	1 to 13	2 to 12	3 to 22	4 to 23
07	Average Flow Rate For PM2.5	m ³ /Hr	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM10	m ³ /Min	1.12	1.15	1.22	1.21	1.2	1.15	1.16	1.18	1.2	1.25
09	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	Permissible Limits of PM2.5 *	µg/m ³	60	60	60	60	60	60	60	60	60	60
11	Measured Concentration of PM2.5	µg/m ³	25.7	24.3	26.7	25.3	22.9	23.7	24.1	22.9	23.7	24.8
12	Permissible Limits of PM10 *	µg/m ³	100	100	100	100	100	100	100	100	100	100
13	Measured Concentration of PM10	µg/m ³	42.7	41.5	43.9	44.5	46.4	42.9	43.8	42.1	43.8	44.9
14	Permissible Limits of SO ₂ *	µg/m ³	80	80	80	80	80	80	80	80	80	80
15	Measured Concentration of SO ₂	µg/m ³	12.9	11.7	9.8	10.3	11.1	10.2	9.3	11.1	11.4	10.6
16	Permissible Limits of NO ₂ *	µg/m ³	80	80	80	80	80	80	80	80	80	80
17	Measured Concentration of NO ₂	µg/m ³	19.7	18.3	20.1	19.3	20.5	21.4	22.1	19.5	17.6	18.9

Instrument Used : 1) Ecoch make RDS Model No. APM - 217BL & Gasous Pollutants Sampler Model No. AAS-109. PM 2.5 Sampler AAS 127
Licence No. RAJKOT/12/19/2024

Royal Environment Auditing & Consultancy Service, Rajkot



[Signature]
Analyst



Royal

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 : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No.: 318/09/2024-25

Date : 30/09/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Welspun Corp Ltd - Steel Division**

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 1
01.	Location of Sampling	----	--	Nr. Main Security Gate
02.	Date of sampling	----	--	12/09/2024
03.	Time of sampling	Hr.	--	9.00
04.	Dominant Wind Direction (From)	----	--	SW
05.	Ambient Temperature	° C	--	30.0
06.	Wind Speed	Km./Hr	--	5 to 16
07.	Average flow rate during sampling	m ³ /minute	--	1 15
08.	Average flow rate for Gas sampling	LPM	--	0 2
09.	PM 2.5	µg/m ³	60	35
10.	PM 10	µg/m ³	100	62
11.	Measured Concentration of SO ₂	µg/m ³	80	15.7
12.	Measured Concentration of NO ₂	µg/m ³	80	20.4

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

Calibration Date: 13/01/2024

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

Royal Environment Auditing & Consultancy Service



Analyst



Royal

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.: 319/09/2024-25

Date : 30/09/2024

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Corp Ltd - Steel Division

Address Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.,: Kutch- 370110.

Sample Collected by : Royal Environment

Sr. No.	Particulars	Unit	Permissible Limits	Location No. 2	Location No. 3	Location No. 4
01.	Location of Sampling	---	--	Weight Bridge Security Point	Nr. SMS, TRIANGLE GARDEN	Nr. WEST SECURITY GATE
02.	Date of sampling	---	--	12/09/2024	12/09/2024	12/09/2024
03.	Time of sampling	Hr.	--	9 15	9.30	9.45
04.	Dominant Wind Direction (From)	---	--	SW	SW	Sw
05.	Ambient Temperature	° C	--	30.0	30.0	30.0
05.	Wind Speed	Km./Hr.	--	5 to 16	5 to 16	5 to 16
06.	Average flow rate during sampling	m ³ /minute	--	1.22	1.18	1.16
07.	Average flow rate for Gas sampling	LPM	--	0.2	0.2	0.2
08.	PM 2.5	µg/m ³	60	31	29	30
09.	PM 10	µg/m ³	100	55	54	59
10.	Measured Concentration of SO ₂	µg/m ³	80	11.4	10.3	12.9
11.	Measured Concentration of NO ₂	µg/m ³	80	22.7	20.7	20.9

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

Calibration Date: 13/01/2024

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

Royal Environment Auditing & Consultancy Service



Analyst



Royal

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 : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref No : 329/09/2024-25

Date : 30/09/2024

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH SEPTEMBER - 2024

Name of company : Welspun Corp Ltd - Steel Division
Welspun City, Survey No 650,
Village: Versamedi, Taluka: Anjar,
Dist.: Kutch- 370110.

Sample Collected by : Royal Environment

Test Method As per IS Standards - 5182-2324/5/2

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)							
01.	No. of Week	---	01		02		03		04	
02	Date & Time Starting of Monitoring	---	02/09/2024 09:20	03/09/2024 09:30	09/09/2024 09:15	10/09/2024 09:30	16/09/2024 10:05	17/09/2024 10:15	23/09/2024 09:45	24/09/2024 10:00
03	Date & Time - Ending of Monitoring	---	03/09/2024 09:20	04/09/2024 09:30	10/09/2024 09:15	11/09/2024 09:30	17/09/2024 10:05	18/09/2024 10:15	24/09/2024 09:45	25/09/2024 10:00
04	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	SW	SW	NW	NW	NW	NW	NE	NE
06	Wind Speed Velocity	Km/Hr.	2 to 16	3 to 18	4 to 15	3 to 17	2 to 18	4 to 18	5 to 15	5 to 18
07	Average Flow Rate For PM2.5	m ³ /Hr.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM10	m ³ /Min.	1.15	1.13	1.14	1.12	1.13	1.14	1.12	1.14
09	Average Flow Rate for Gas Monitoring	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM2.5 *	µg/m ³	60	60	60	60	60	60	60	60
11	Measured Concentration of PM2.5	µg/m ³	25.8	26.9	26.2	27.1	28.9	30.3	28.4	30.1
12.	Permissible Limits of PM10 *	µg/m ³	100	100	100	100	100	100	100	100
13	Measured Concentration of PM10	µg/m ³	49.8	51.6	54.1	48.5	53.8	50.3	49.2	52.8
14.	Permissible Limits of SO ₂ *	µg/m ³	80	80	80	80	80	80	80	80
15	Measured Concentration of SO ₂	µg/m ³	12.9	14.3	10.5	9.9	12.8	11.7	13.6	12.0
16	Permissible Limits of NO ₂ *	µg/m ³	80	80	80	80	80	80	80	80
17	Measured Concentration of NO ₂	µg/m ³	20.1	22.1	19.7	21.3	22.4	20.9	20.7	21.3

Instrument Used: Hi EcoTech make RDS, Model No - APM - 217/BL & Gaseous Pollutants Sampler Model No: AAS-109, PM 2.5 Sampler AAS 127
Calibration Done On: 14/01/2024

Royal Environment Auditing & Consultancy Service, Rajkot




Analyst

Ref. No. : 710/04/2024-25

Date : 30/04/2024


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: **KILN AREA, MECH.WORKSHOP, AFBC BOILER AREA OF Welspun Corp Ltd.- Steel Division**
- 2 Raw materials, by products and finished products involved in the process. **TOTAL DUST**
- 3 Particulars of sampling

Date of Sampling : 26th & 27th April 2024

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminante	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	DRI Plant - Kiln Plat form Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.5-2.3	1.90	10	Gravimetric	4	---		Mr. Parth Agravat
2	DRI PLANT-Mech Work Shop	Total Dust		2	1.9-2.1	2.00	10		3	---		
3	Power Plant - AFBC Area	Total Dust		2	2.3-2.9	2.60	10		5	---		
4	SMS - ET Furnace Platform	Total Dust		2	1.6-2.9	2.25	10		4	---		
5	SMS - IT Furnace Platform	Total Dust		2	1.1-3.1	2.10	10		5	---		

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



For. Royal Environment Auditing & Consultancy Service

Authorized Sign

Ref. No. : 810/05/2024-25

Date : 31/05/2024


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.: KILN AREA, MECH.WORKSHOP, AFBC BOILER AREA OF Welspun Corp Ltd.- Steel Division
- 2 Raw materials, by products and finished products involved in the process. **TOTAL DUST**
- 3 Particulars of sampling

Date of Sampling : 16th & 17th MAY 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	DRI Plant - Kiln Plat form Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.1-2.7	1.90	10	Gravimetric	4			Mr. Parth Agravat
2	DRI PLANT-Mech Work Shop	Total Dust		2	2.3-2.6	2.45	10		3			
3	Power Plant - AFBC Area	Total Dust		2	2.5-2.9	2.70	10		5			
4	SMS - ET Furnace Platform	Total Dust		2	1.2-3.6	2.40	10		4			
5	SMS - IT Furnace Platform	Total Dust		2	1.3-3.5	2.40	10		5			

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



For. Royal Environment Auditing & Consultancy Service

Authorized Sign

Ref. No. : 120/07/2024-25

Date : 31/07/2024

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.: **KILN AREA, MECH.WORKSHOP, AFBC BOILER AREA OF Welspun Corp Ltd.- Steel Division**
- 2 Raw materials, by products and finished products involved in the process. **TOTAL DUST**
- 3 Particulars of sampling

Date of Sampling : 20th & 22nd July 2024

Sample Collected by : Royal Environment

Sr. No	Location Operation monitored	Identified Contaminante	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	DRI Plant - Kiln Plat form Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.7-2.8	2.25	10	Gravimetric	4	---		Mr. Prashant Chavda
2	DRI PLANT-Mech Work Shop	Total Dust		2	2.7-3.8	3.25	10		5	---		
3	Power Plant - AFBC Area	Total Dust		2	1.8-2.5	2.15	10		5	---		
4	SMS - ET Furnace Platform	Total Dust		2	1.9-3.1	2.05	10		3	---		
5	SMS - IT Furnace Platform	Total Dust		2	1.4-2.8	2.10	10		4	---		

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



For. Royal Environment Auditing & Consultancy Service

(Signature)
Authorized Sign

Ref. No. : 220/08/2024-25

Date : 31/08/2024


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 : KILN AREA, MECH.WORKSHOP, AFBC BOILER AREA OF Welspun Corp Ltd.- Steel Division
- 2 Raw materials, by products and finished products involved in the process : TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 20th & 21st August 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	DRI Plant - Kiln Plat form Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.3-2.3	1.80	10	Gravimetric	3	---		Mr. Prashant Chavda
2	DRI PLANT-Mech Work Shop	Total Dust		2	1.6-3.2	2.40	10		4			
3	Power Plant - AFBC Area	Total Dust		2	2.2-3.2	2.70	10		5			
4	SMS - ET Furnace Platform	Total Dust		2	1.4-1.8	1.60	10		4			
5	SMS - IT Furnace Platform	Total Dust		2	1.3-3.2	2.25	10		5			

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

For: Royal Environment Auditing & Consultancy Service



Authorized Sign

Ref No. : 320/09/2024-25

Date : 30/09/2024


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 : KILN AREA, MECH.WORKSHOP, AFBC BOILER AREA OF Welspun Corp Ltd.- Steel Division
- 2 Raw materials, by products and finished products involved in the process. TOTAL DUST
- 3 Particulars of sampling

Date of Sampling : 12th & 13th September 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) Mg/m ³	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	DRI Plant - Kiln Plat form Area	Total Dust	Personal Respirable Dust sampler VPDS 203	2	1.7-2.8	2.25	10	Gravimetric	4	---		Mr. Prashant Chavda
2	DRI PLANT-Mech Work Shop	Total Dust		2	1.1-3.4	2.25	10		5	---		
3	Power Plant - AFBC Area	Total Dust		2	2.7-3.8	3.25	10		4	---		
4	SMS - ET Furnace Platform	Total Dust		2	1.6-1.9	1.75	10		5	---		
5	SMS - IT Furnace Platform	Total Dust		2	1.6-2.7	2.15	10		4	---		

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



For Royal Environment Auditing & Consultancy Service


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