EC Compliance Report for M/s. Welspun Di Pipes Limited located Village: Versamedi, Tehsil: Anjar, District: Kutch, Gujrat.

EC F No. J-11011/136/2015-IA-II(I) dated 22nd March 2021.

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<tr><th>Sr. No.</th><th colspan="7">Conditions</th><th>Compliance</th></tr>
<tr><td colspan="9">Specific Condition</td></tr>
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<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Name of facility</th><th colspan="2">Exiting Units</th><th colspan="2">Proposed units</th><th colspan="2">Total Units (Existing +Proposed)</th></tr>
<tr><th>configuration</th><th>Production MTPA</th><th>configuration</th><th>Production MTPA</th><th>configuration</th><th>Production MTPA</th></tr>
<tr><td>1.</td><td>Coke Oven & By products Recovery Plant (COBP)</td><td>2 x 58 No. Ovens</td><td>1.37</td><td>--</td><td>--</td><td>2 x 58 No. Ovens</td><td>1.37</td></tr>
<tr><td>2.</td><td>Sinter plant</td><td>1x496 m^2</td><td>5.28</td><td>--</td><td>--</td><td>1x496 m^2</td><td>5.28</td></tr>
<tr><td>3.</td><td>Blast Furnace with matching pig casting facility (Along with Pig casting Machine of Capacity)</td><td>1x 4300 m^3</td><td>3.34</td><td>--</td><td>--</td><td>1x 4300 m^3</td><td>3.34</td></tr>
<tr><td>4.</td><td>Steel Melt Shop</td><td>BOF-2 x 165 T
LF- 2 x 165 T
VD- 1x 165 T</td><td>3.1</td><td>(Un proposed)
BOF-1x 165 T
LF- 1 x 165 T</td><td>(-)1.55</td><td>BOF- 1x 165 T
LF- 1 x 165 T
VD- 1x 165 T</td><td>1.55</td></tr>
<tr><td>5</td><td>Continuous slab casting</td><td>1x1 Strand</td><td>1.6</td><td>--</td><td>--</td><td>1x1 Strand</td><td>1.6 MTPA Slab</td></tr>
</table>
</td><td>Point noted</td></tr>
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	6	Continuous Billet casting	1x 6 Stand	1.4	(Un proposed) (1 x 6 stand)	(-)1.4	-	0.0	
	7	Rolling Mill Plate & Coil Mill	1 unit	1.37	1 unit	(-)1.37	-	0.0	
	8	Captive Power Plant	Gas based	200 MW	--	--	Gas based	200 MW	
	9	Lime/dolo Plant	2 x 600 TPD	0.34	(Un proposed) 1 x 600 TPD	(-) 0.17	1 x 600 TPD	0.17	
	10	Cement grinding Plant	1 unit	1.5	1 unit	1.5	1 unit	1.5	
	11	DI Pipe Plant (Including Induction Furnaces, Convertor, Centrifugal Casting Machine, Annealing Furnace, Finishing Line.)	-	-	2 unit	0.5 (2x 0.25)	2 unit	0.5	
	12	Foundry Shop for Metal Fitting and other casting using Heating and Melting Furnace (Induction Furnace) and Sand Moulding Facility	-	-	1 Unit	0.1 MTPA	1 Unit	0.1 MTPA	
2	The proposal for part transfer of 0.5 MTPA DI pipe unit in the name of M/s. Welspun DI Pipes Limited Was considered during 28th meeting of the Re -constituted Expert Appraisal Committee (Industry -I) held on 18-19th January , 2021 wherein the committee formed sub-committee. The Sub- committee their report after examination of the following;								Noted
I	"NOC" form M/s. Welspun Metallics Limited								
II	" Undertaking " from M/s. Welspun DI Pipe Limited (WDIPL)								
III	Revised Plant layout with area and green belt detailed by WML and WDIPL								
IV	EC compliance responsibility matrix between WML and WDIPL								

Sr No.	Item	Total Capacity as per EC recommended upper para 7 (ii)	Facilities/ Utilities after amendment in EC and subsequent partial transfer of DI Pipe Plant from EC of Parent Company (WML) to New Company (WDI) New Company (WDI)	Compliance status
A	**Title of the Project**	Installation of 3.0 MTPA Integrated Steel Plant including 1.5 MTPA Cement Plant and 200MW CPP by M/s Welspun Metallics Ltd., located at Village Versamedi, Tehsil Anjar, District Kutch, Gujarat	Transfer of 0.5 MTPA DI Pipe Plant from EC for Installation of 3.0 MTPA Integrated Steel Plant including 1.5 MTPA Cement Plant and 200MW CPP by M/s Welspun Steel Ltd., located at Village Versamedi, Tehsil Anjar, District Kutch, Gujarat to WDI	Noted
B	**Location**	Village Versamedi, Tehsil Anjar, District Kutch, Gujarat Latitude- 23° 6'23"N to 23° 7'53"N Longitude-70° 4'3"E to 70° 5'56"E	Village Versamedi, Tehsil Anjar, District Kutch, Gujarat Latitude- 23° 6'56"N to 23° 7'14.9"N Longitude- 70° 5'22.6"E to 70° 5'34"E	Noted
C	**Units/Facilities**			
1.	Coke Ovens & By-products Recovery Plant (COBP)	2 X 58 No. Ovens -1.37 MTPA Gross Coke	-	Point noted and will be complied
2.	Sinter Plant	1 x 496 sq m -5.28 MTPA	-	
3.	Blast Furnace	1 x 4300 m3- 3.34 MTPA Hot Metal	-	
4.	Steel Melt Shop	BOF - 2 x 165 T LF - 2 x 165 T VD - 1 x 165 T 1.55 MTPA	-	
5.	Continuous Casting	Slab caster –1 x 1 Strand 1.6 MTPA	-	
6.	DI Pipe Plant (Including Induction Furnaces, Convertor, Centrifugal Casting Machine,	2 X 0.25 MTPA-0.5 MTPA	2 X 0.25 MTPA-0.5 MTPA	

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	Annealing Furnace, Finishing Line.)			
7.	Foundry Shop for Metal Fitting and other casting using Heating and Melting Furnace (Induction Furnace) and Sand Moulding Facility	0.1 MTPA	-	
8.	Lime/dolo Calcining Plant 1 x 600 TPD	2 x 600 TPD 0.17 MTPA	-	
9.	Power Plant	2 X 100 MW (Gas based) 165 MW BF-TRT, CDQ & Sinter Cooler 35 MW	-	
10.	Cement Grinding unit	1.5 MTPA	-	
D	**Process Description**	• Production of coke in Coke Ovens • Production of Sinter in Sinter plant • Production of Steel through BF-BOF route, with Blast Furnace having hot metal production capacity of 3.34 MTPA followed by 1.6 MTPA slab casting • Power generation through waste heat recovery. • Cement Grinding unit based on BF Slag • Production of DI Pipes using Blast furnace Hot metal from WML followed by desulphurization (if required) and scrap charging	• Production of DI Pipes using Blast furnace Hot metal from WML followed by desulphurization (if required) and scrap charging • Superheating of molten metal in induction furnace, • Magnesium treatment in convertor; • Centrifugally casting of pipes using molten metal in CCMs; • Heat treatment in annealing furnace to give ductility to the casted pipes; • Cement lining, zinc and bitumen coatings & stampings	Point noted and will be complied

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		• Superheating of molten metal in induction furnace, • Magnesium treatment in convertor; • Centrifugally casting of pipes using molten metal in CCMs; • Heat treatment in annealing furnace to give ductility to the casted pipes; • Cement lining, zinc and bitumen coatings & stampings		
E	**Land Requirement**	231.58 ha (77.2 ha -33.3% Greenbelt)	24.5 ha (8.97 ha -33.3% Greenbelt)	Point noted and will be complied
F	**Raw Material**	• Iron Ore (Fines) – 4.08 MTPA • Iron ore (Lump) – 1.91 MTPA • Coking Coal – 2.01 MTPA • Non Coking Coal – 0.09 MTPA • PCI Coal – 0.64 MTPA • Limestone – 1.22 MTPA • Dolomite – 0.51 MTPA • Steel scrap-0.08 MTPA • Zinc wire-2600 TPA • Fe-si-16800 TPS • Mg-6600 TPA • Calcined Lime-600 TPA	• Hot Metal – 0.4 MTPA from WML • Steel Scrap – 0.08 MTPA • Zinc Wire – 2600 TPA • Fe-Si – 16,800 TPA • Mg – 6600 TPA	Point noted and will be complied
G	**Water Requirement**	47232 m^3/day (1755 m3/hr)	4896 m^3/day	Point noted and will be complied
H	**Power Requirement**	211 MW	~16 MW	Point noted and will be complied

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I	**Fuel Requirement**	• Coke Oven gas (COG) – 48127 Nm^3/hr • BF Gas (BFG) – 587155 Nm^3/hr • BOF Gas (BOFG) – 28310 Nm^3/hr • Propane – 20 TPD • Fuel Oil – 600 TPD	• BF Gas – 45091 Nm3/hr	Point noted and will be complied
J	**Pollutants**	PM –273.1Kg/hr SO2 –551.8 Kg/hr NOx –869.3 Kg/hr	PM – 14.2 Kg/hr SO2 – 4.8 Kg/hr NOx – 7.3 Kg/hr	Point noted and will be complied
K	**Pollution Mitigation Measures**			
1	Air Pollution Control	• Dry fogging and bag filter based DE system in material handling • Charging and pushing Emission control in coke ovens • Electrostatic Precipitator (ESP) based process gas cleaning in Sinter plant and CPP • ESP based DE systems in BF Cast house, stock house and SMS • Bag filter based DE system • low NOx oxy-fuel burners in Annealing furnaces	• Bag Filter based DE systems • Low NOx oxy-fuel burners in Annealing furnaces	Point noted and will be complied
2	**Noise Pollution Control**	• Plugging leakages in high-pressure gas/air pipelines. • Reducing vibration of high speed rotating machines by regular monitoring of vibration and taking necessary steps.	• Plugging leakages in high-pressure gas/air pipelines. • Reducing vibration of high speed rotating machines by regular monitoring of vibration and taking necessary steps.	Point noted and will be complied

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		• Design of absorber system for the shift office and pulpit operator's cabin. • Noise absorber systems in pump houses. • Noise level at 1m from equipment will be limited to 85 dB (A). • The fans and ductwork will be designed for minimum vibration. • All the equipment in different units will be designed/operated in such a way that the noise level shall not exceed 85 dB (A). • Periodical monitoring of work zone noise and outside plant premises. • Un-manned high noise zone will be • marked as “High Noise Zone". • In shops where measures are not feasible, attempts shall be made to • provide operators with sound-proof enclosure to operate the system. • Workers exposed to noise level will be provided with protection	• Design of absorber system for the shift office and pulpit operator's cabin. • Noise absorber systems in pump houses. • Noise level at 1m from equipment will be limited to 85 dB (A). • The fans and ductwork will be designed for minimum vibration. • All the equipment in different units will be designed/operated in such a way that the noise level shall not exceed 85 dB (A). • Periodical monitoring of work zone noise and outside plant premises. • Un-manned high noise zone will be • marked as “High Noise Zone". • In shops where measures are not feasible, attempts shall be made to provide operators with sound-proof enclosure to operate the system. • Workers exposed to noise level will be provided with protection devices like earmuffs and will be advised to use them regularly, while at work. • Workers exposed to noisy work place shall be provided with rotational duties.	

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		devices like earmuffs and will be advised to use them regularly, while at work. • Workers exposed to noisy work place shall be provided with rotational duties. • All workers will be regularly checked medically for any noise related health problem and if detected, they will be provided with alternative duty.	• All workers will be regularly checked medically for any noise related health problem and if detected, they will be • provided with alternative duty.	
3	Effluents Generation And Management	• Zero Liquid Discharge outside plant boundary • Effluent generated from coke ovens would be separately treated in Biological Oxidation and Dephenolization (BOD) treatment unit for removal of phenolic compounds and cyanide • Cooling tower blow downs and treated effluent from BOD plant of coke ovens would be taken to the CETP for further treatment and reuse as make-up • water. • Treatment of plant sanitary waste water including canteen effluent in a sewage treatment plant for	• Zero Liquid Discharge outside plant boundary • Treatment of plant sanitary waste water including canteen effluent in a sewage treatment plant for separation of floating oil and reduction of BOD level. • ETP shall be provided for DI plant exclusively with the provision of safe handling of hazardous waste generated in DI plant.	Point noted and will be complied we will treat the wastewater in our Common CETP).Hazardous waste generated (Zinc Dust) will be collected and disposed at GPCB authorized TSDF

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		separation of floating oil and reduction of BOD • level. • ETP shall be provided for DI plant exclusively with the provision of safe handling of hazardous waste generated in DI plant.		
4	**Solid and Hazardous Wastes**	• All non-hazardous solid wastes shall be utilized in-house in Sinter Plant/BOF. • BF/BOF Slag shall be utilized in house or sold to cement manufacturers or used for road construction. • Coal tar sludge and BOD sludge would be recycled for coke making by mixing with the coal charge. • All other hazardous wastes shall be disposed in secured landfill/ handed over to authorized dealers for disposal as per statutory norms • 100% use/recycle of solid waste generated in DI plant shall be ensured.	• All non-hazardous solid wastes including Mg dust and Bag filter dust shall be utilized in Sinter Plant of WML. • All other hazardous wastes shall be disposed in secured landfill/ handed over to authorized dealers for disposal as per statutory norms • 100% use/recycle of solid waste generated in DI plant shall be ensured.	Point noted and will be complied

Sr. No.	Conditions	Compliance
Specific Condition		
1	CEMS shall be provided on all process stacks and the signal shall be received in plant control room for central control of APCDs installed in the plant	We will installed CEMS on all process stacks and the signal shall be received in plant control room for central control of APCDs installed in the plant andwill transmit the details at CPCB/GPCB website online. Also submit report to Ministry and its Regional Office.
2	Ventilation system for odour control in bitumen coating area shall be included.	Not applicable
3	Zn dust monitoring in AAQ in DI plant shall. He carried out.	Not applicable
4	ETP shall be provided for DI plant exclusively with the provision of safe handling of hazardous waste generated in DI Plant..	Not applicable (we will treat the wastewater in our Common CETP). Hazardous waste generated (Zinc Dust) will be collected and disposed at GPCB authorized TSDF
5	PM level from the stacks shall be less than 30 mg/Nm3..	Point noted and will be complied
6	100 % use / recycle of solid waste generated in DI plant shall be ensured.	Point noted and will be complied
7	Tree density in Green belt shall be 2500 trees per ha. WDI Plant shall have 36.6 % green belt as committed by PP	We should follow the Standards issuedby the Ministry vide G.S.R. No. 277(E) dated 31st March, 2012 regarding integrated iron and steel plant.
8	Both plants shall have their independent green belts	Point noted and will be complied
9	Validity of split ECs shall be from Feb 2017.	Point noted and will be complied.
10	More efficient bags such as PTFE bags shall be used in the filter bag house and designed for 150% of normal design air flow	Point noted and will be complied
11	PP shall use ultralow NOx burner with three stage combustion, flue gas recirculation and auto combustion control system.	Point noted and will be complied
General condition		
I	**Statutory compliance**	
	The Environment Clearance(EC) granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued frim time to time. It	Point noted and will be complied

Sr. No.	Conditions	Compliance
	does not tantamount/ construe to approvals/consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	
II	**Air quality monitoring and preservation**	
1	The project proponent shall install 24*7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Point noted and will be complied
2	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Point noted and will be complied
3	The cameras shall be installed at suitable location for 24*7 recording of battery emissions on the both sides of coke oven batteries and videos shall be preserved for at least one-month recordings.	Point noted and will be complied
4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Point noted and will be complied
5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards	Point noted and will be complied
6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Point noted and will be complied
7	Secondary emission control system shall be provided at SMS Converters.	Point noted and will be complied
8	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Point noted and will be complied
9	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	Point noted and will be complied
10	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	Point noted and will be complied

Sr. No.	Conditions	Compliance
11	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Point noted and will be complied
12	Land-based APC system shall be installed to control coke pushing emissions.	Point noted and will be complied
13	Monitor CO, HC and 0_2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Point noted and will be complied
14	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Point noted and will be complied
15	In case concentrated ammonia liquor is incinerated, adopt high temperature incineration to destroy Dioxins and Furans. Suitable NOx control facility shall be provided to meet the prescribed standards.	Point noted and will be complied
16	The coke oven gas shall be subjected to desulphurization if the Sulphur content in the coal exceeds 1%.	Point noted and will be complied
17	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Point noted and will be complied
18	Design the ventilation system for adequate air changes, as per. prevailing norms for all. tunnels, motor houses, Oil Cellars	Point noted and will be complied
19	The project proponent shall install Dry Gas Cleaning Plant with bag filter for Blast Furnace and SMS converter	Point noted and will be complied
20	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke.	Point noted and will be complied
III	**Water Quality monitoring and preservation**	
1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 315t March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Point noted and will be complied
2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection)	Point noted and will be complied

Sr. No.	Conditions	Compliance
	Act, 1986 and NABL accredited laboratories.	
3	The project proponent shall provide the ETP for coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;	Point noted and will be complied
4	Adhere to 'Zero Liquid Discharge'	Point noted and will be complied
5	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Point noted and will be complied
6	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Point noted and will be complied
7	Tyre washing facilities shall be provided at the entrance of the plant gates.	Point noted and will be complied
8	CO_2 injection shall be provided in GCP of SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning.	Point noted and will be complied
9	The project proponent shall practice rainwater harvesting to maximum possible extent.	The company will develop rain water harvesting structures to harvest the rain.
10	Treated water from ETP of COBP shall not be used for coke quenching.	Point noted and will be complied
11	Water meters shall be provided at the inlet to all unit processes in the steel plants.	The water meter will install to all unit process in the steel plant
12	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Point noted and will be complied
IV.	**Noise monitoring and prevention**	
1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	We will provide noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)
V.	**Energy Conservation measures**	
1	The project proponent shall provide TRTs to recover energy from top gases of Blast Furnaces.	Point noted and will be complied

Sr. No.	Conditions	Compliance
2	Coke Dry Quenching (CDQ) shall be provided for coke quenching for the coke oven plant.	Point noted and will be complied
3	Waste heat shall be recovered from Sinter Plants coolers and Sinter Machines.	Point noted and will be complied
4	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Point noted and will be complied
5	Use hot charging of slabs and billets/blooms as far as possible.	Point noted and will be complied
6	Waste heat recovery systems shall be provided in all units where the flue gas or process gas exceeds 300°C.	Point noted and will be complied
7	Explore feasibility to install WHRS at Waste Gases from BF stoves; Sinter Machine; Sinter Cooler, and all reheating furnaces and if feasible shall be installed.	Point noted and will be complied
8	Restrict Gas flaring to < 1%.	Point noted and will be complied
9	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Point noted and will be complied
10	Provide LED lights in their offices and residential areas.	The company will provide LED lights in their offices and residential areas.
11	Ensure installation of regenerative type burners on all reheating furnaces.	Point noted and will be complied
VI.	**Waste management**	
1	An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 Kg/1 shall be installed to use slag as river sand in construction industry.	Point noted and will be complied
2	Tar Sludge and waste oil shall be blended with coal charged in coke ovens	Point noted and will be complied
3	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.	The company will install carbon recovery plant.
4	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.	The company will install waste recycling plant.
5	Used refractories shall be recycled as far as possible.	Used refractories will be recycle in the company.
6	SMS slag after metal recovery in waste recycling facility shall be conditioned and used	Point noted and will be complied

Sr. No.	Conditions	Compliance
	for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.	
7	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	Point noted and will be complied
8	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Point noted and will be complied
9	Kitchen waste shall be composted or converted to biogas for further use.	Biogas plant shall be installed to handle kitchen waste. Gas will be used for canteen/kitchen use and solid manure will be used in plantation area
VII.	**Green Belt**	
1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	Point noted and will be complied
VIII.	**Public hearing and Human health issues**	
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Point noted and will be complied
2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Point noted and will be complied
3	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Point noted and will be complied
IX.	**Corporate Environment Responsibility**	
1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 30/09/2020.	Point noted and will be complied
2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental ' policy should prescribe for	Point noted and will be complied

Sr. No.	Conditions	Compliance
	standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy Of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Point noted and will be complied
X.	**Miscellaneous**	
1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	We have already Publish the EC in two local newspapers. Newspaper copy attached as Annexure-1
2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the EC will submitted to all relevant offices of the government.
3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Point noted and will be complied
4	The project proponent shall monitor the criteria pollutants level namely; PK°, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Point noted and will be complied
5	The project proponent shall submit six- monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	The company will submit the six- monthly report.
6	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State pollution control Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended	We will submit the environmental statement for each financial year ending 31st March in Form-V to the concerned State Pollution Control Board.

Sr. No.	Conditions	Compliance
	subsequently and put on the website of the company.	
7	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project	Point noted and will be complied
8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	Point noted and will be complied
9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Point noted and will be complied
10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Point noted and will be complied
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Point noted and will be complied
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Point noted and will be complied
13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Point noted and will be complied
14	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Point noted and will be complied

Third Party Monitoring Reports

Issue Date	03/08/2021
Report No.	SGEL/REP/2021/07/351

TEST REPORT

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client/ Industry	**M/s. Welspun DI Pipes Ltd.**		
Address	Survey no. 617, 618, 632, 633, Welspun city, Village- Varsamedi, Tal: Anjar, Dist: Kutch-370110.		
Date of Sampling	29/07/2021 to 30/07/2021	**Sampling Location**	**Near Security Gate**
Sample Receipt Date	31/07/2021	**Sample Description**	Ambient Air (Sampling Duration: 24 Hrs.)
Sample Analyzed and Completion Date	31/07/2021 to 02/08/2021	**Quantity/No. of Samples**	1-1 Filter paper and exposed scrubbing media / 04 Nos.
Sample Collected By	SGEL Team	**Packing/Seal**	Packed/Sealed
Sample ID	SGEL/2021/07/351	**Protocol/Purpose**	As per Work Order

RESULT TABLE

Sr. No.	Parameters	Unit	Results	Permissible Limit	Test Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	66.1	**100**	IS 5182 (Part23): 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	43.6	**60**	IS 5182 (Part 24): 2019
3	Sulphur Dioxide (SO_2)	$\mu g/m^3$	30.8	**80**	IS 5182 (Part 2):2001
4	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	36.9	**80**	IS 5182 (Part 6): 2006

ANALYZED BY **CHECKED BY** **AUTHORISED SIGNATORY**

Issue Date	03/08/2021
Report No.	SGEL/REP/2021/07/352

TEST REPORT

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client/ Industry	**M/s. Welspun DI Pipes Ltd.**		
Address	Survey no. 617, 618, 632, 633, Welspun city, Village- Varsamedi, Tal: Anjar, Dist: Kutch-370110.		
Date of Sampling	29/07/2021 to 30/07/2021	**Sampling Location**	**Near Rain water harvesting**
Sample Receipt Date	31/07/2021	**Sample Description**	Ambient Air (Sampling Duration: 24 Hrs.)
Sample Analyzed and Completion Date	31/07/2021 to 02/08/2021	**Quantity/No. of Samples**	1-1 Filter paper and exposed scrubbing media / 04 Nos.
Sample Collected By	SGEL Team	**Packing/Seal**	Packed/Sealed
Sample ID	SGEL/2021/07/352	**Protocol/Purpose**	As per Work Order

RESULT TABLE

Sr. No.	Parameters	Unit	Results	Permissible Limit	Test Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	51.5	**100**	IS 5182 (Part23): 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	32.3	**60**	IS 5182 (Part 24): 2019
3	Sulphur Dioxide (SO_2)	$\mu g/m^3$	25.7	**80**	IS 5182 (Part 2):2001
4	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	31.1	**80**	IS 5182 (Part 6): 2006

ANALYZED BY **CHECKED BY** **AUTHORISED SIGNATORY**

Issue Date	03/08/2021
Report No.	SGEL/REP/2021/07/353

TEST REPORT

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client/ Industry	**M/s. Welspun DI Pipes Ltd.**		
Address	Survey no. 617, 618, 632, 633, Welspun city, Village- Varsamedi, Tal: Anjar, Dist: Kutch-370110.		
Date of Sampling	29/07/2021 to 30/07/2021	**Sampling Location**	**Near Power Plant**
Sample Receipt Date	31/07/2021	**Sample Description**	Ambient Air (Sampling Duration: 24 Hrs.)
Sample Analyzed and Completion Date	31/07/2021 to 02/08/2021	**Quantity/No. of Samples**	1-1 Filter paper and exposed scrubbing media / 04 Nos.
Sample Collected By	SGEL Team	**Packing/Seal**	Packed/Sealed
Sample ID	SGEL/2021/07/353	**Protocol/Purpose**	As per Work Order

RESULT TABLE

Sr. No.	Parameters	Unit	Results	Permissible Limit	Test Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	72.3	**100**	IS 5182 (Part23): 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	50.2	**60**	IS 5182 (Part 24): 2019
3	Sulphur Dioxide (SO_2)	$\mu g/m^3$	34.8	**80**	IS 5182 (Part 2):2001
4	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	39.6	**80**	IS 5182 (Part 6): 2006

ANALYZED BY **CHECKED BY** **AUTHORISED SIGNATORY**