

Date: -22/12/2021

To,
The Director,
Ministry of Environment and forest
Regional office (Western Region),
Kendriya Paryavaran Bhavan,
Link Road No: 3
E-S Ravishankar Nagar,
Bhopal -462016(M.P)

Sub: - Half Yearly Status Report (MOEF) Apr-21 to Sep-21 of Welspun Corp Ltd (1x43 Mw Power Plant) PCB ID:- 36190

Respected Sir,

With Reference to the above subject & condition mention in the Environment clearance, we are submitting half yearly (Apr-21 to Sep-21) status report of Welspun Corp Ltd (1X43 Mw Power Plant)

We Hope you will find the same in order.

Thanking you, assuring you best attention all times.

Yours Faithfully,

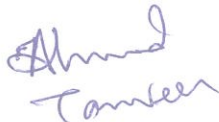
For **Welspun Corp Ltd**
(1X 43 Mw Cpp)

Authorized Signatory



Encl: - 1.Copy of above referred Environment clearance
2. Copy of Consolidated Consent & Authorization

Copy to,
The Member Secretary
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10-A
Gandhinagar, Gujarat.



	Name & Address	M/s Welspun Corp. Limited. Village: Versamedi District Kutch, Gujarat	
	Product Name with Company	43 MW	
	MOEF EC Letter No. & Date	J-13011/17/2007-IA.II (T) 25th January, 2012	
	EC Validity	5 Years to the start of production operation	
A	Specific Conditions	Status	Remarks
1	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission from the proposed plant does not exceed 50ug/Nm ³ .	We installed ESP. and conduct regular monitoring internal and third party approved from pollution control board and maintain result as per norms well below then 50µg/Nm ³	Complied with the EC condition Stack Monitoring Report is attached as anexure 5
	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	We have installed separate bag filters at Coal handling and ash handling system we have installed water sprinklers at all coal conveyors junction point connected with our DCS instead of this we install HVS system at our coal handling yard periphery	Complied with the EC condition
3	A stack of 94 m height shall be provided with continuous online monitoring equipments for SO _x , NO _x and Particulate Matter. Exit velocity of flue gases shall not be less than 15 m/sec. Imported coal with ash content and sulphur content not exceeding 6 % and 1% respectively and lignite with ash content and sulphur content not exceeding 15.5 % and 2.2 % respectively shall be used in the ratio of 70:30.	Stack height is 94 mtr. and Continuous Online Monitoring Equipment is Installed connected with CPCB server . And as per norms we maintain Velocity of flue gases	Complied with the EC condition Stack Monitoring Report anexure- 5) and Coal analysis report is attached as anexure- 4
4	Ash shall be collected in dry form and its 100% utilization shall be ensured from day one of the commissioning of the plant.	We Collect/stack our 100% fly ash in dry form in closed concrete ash silo and through ash silo with proper ash handling procedure and ash handling transportation guideline we send it to nearby cement industries .	Monthly Fly ash Generation and Disposal Record is Attached in Annexure-8
5	Mercury and other heavy metals (As,Hg, Cr, Pb etc.) shall be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	We are Checking & monitoring all the heavy' metals in the bottom ash. In our plant premisses there is no Ash pond exists & the ash is collect in closed concrete ash Silo.	Complied with the EC condition
6	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	As per our CCA , we do not have any Ash Pond in Our Premisses	Complied with the EC condition
7	Water requirement shall not exceed 5000 m ³ /day. Treated effluent conforming to the prescribed standards shall be re-circulated and reused in the plant. No effluent shall be discharged outside the plant boundary	Discharge water is used for gardening & Sprinkling Purpose, and no effluent discharge outside the plant boundary	Monthly water Generation Record is attached in Annexure-3
8	Closed circuit cooling system with cooling tower shall be provided.	We Have already installed Cooling Towers in our Plant	Complied with the EC condition

9	A well designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Regional Office of Ministry.	We have created huge rain water harvesting pond having a capacity to store 300 Crore liters of water.	Complied with the EC condition
10	Green Belt shall be raised in 7 acres of plant area. Tree density shall not less than 2500 per ha with survival rate not less than 80 %.	As per instruction we maintain 7 acres of tree plantation in our plant and ensure proper supervision for survival of plants and tree.	Green Belt Drawing Attached as Annexure-9
A	General Conditions	Status	Remarks
1	A Corporate Environmental Policy shall be formulated and after due approval of the Board of Directors of the Company shall be submitted to the Ministry within six months. The policy shall specifically address issues of adherence to environmental policy so formulated and environmental clearance conditions stipulated for the power project and also others including matters related to violations of stipulated conditions (if any) to the Board.	We have EHS (Environment Health & Safety Policy) duly signed by our Director & the same is attached	Annxure-1
2	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.	We have created septic tank in our plant for treating the sewage & the overflow from the Septic tank is further treated in our ETP	Complied with the EC condition
3	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	We have taken adequate Fire & Safety measures in our Plant. We have Multi purpose Fire Tenders (3 Nos.) with dedicated fire team and we have also installed well Maintain Fire Equipments in our plant like Fire Hydrant Fire Monitors Smoke Detectors & Fire Extinguisher.	Fire Layout Plan is attached as Anexure-2
4	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	We have 25KL Storage Approval of Furnance oil/L.D.O by Department of Explosives 5th floor ,A-Block,CGO Complex,Seminary Hills Nagpur (M.S) 440006	LDO Storage Approval is attached as Annexure-6
5	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	We do not have any ash pond and well/borewell in our plant premises.	Complied with the EC condition
6	Monitoring surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	No surface water surrounding at our plant and all the drainages in our plant is connected to our ETP for further treatment. The treated ETP water is used for tree plantation and dust separation.	Complied with the EC condition

7	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid Box Available in all location of plant instead of this we have health center with 24X7 Medical officer available. And for drivers and contractor worker we provide proper sanitation arrangements in our premises.	Complied with the EC condition
8	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/noise less areas.	We conduct Regular monitoring of noise in the work zone and provide proper personal protective equipment to all workers. And also we conduct audiometric examined to all workers and employee.	Noise Monitoring Report is Attached as Annexure-5 B
9	Regular monitoring of ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Ambient Air Monitoring & NAAQM Report carried out by NABL approved third party and concentration level found well within norms.	Attached Annexure-5 C & 5D
10	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	We provide all facilities to our labour	
11	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in .	Complied	Copy of advertisement of local news paper is attached as Annexure-6
12	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied	
13	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization. The status report on the functioning of the Cell shall be submitted to the Regional office of the Ministry periodically. The Cell shall comprise of an expert in Marine Biology, Fishery and Mangroves preservation.	We have Well equiped Environmental cell in our organization.	Complied with the EC condition

14	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM25 & PM10), SO2, NOx (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	As per guideline we maintain and follow instruction.	
15	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Every year we submit form V as per instruction and maintain proper documentation.	Complied with the EC condition
16	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.	As per guideline we maintain and follow instruction.	
17	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their reference during monitoring. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	As per guideline we maintain and follow instruction.	
18	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Every Fyn We Taken Special Budget for Environment.	
19	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Complied	
20	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bhopal / CPCB/ SPCB who would be monitoring the compliance of environmental status.	Complied	



BY SPEED POST

J-13011/17/2007-IA.II (T)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Dated: 25th January, 2012

To
M/s Welspun Corp. Limited
Welspun City, Village Varsamedi,
Taluk Anjar, District Kutch, Gujarat- 370 110

Fax: 02836 279060
E-mail: welspun_delhi@welspun.com

Sub: 43 MW Captive Thermal Power Plant within existing M/s Welspun Corp. Limited at Village Varsamedi, Taluk Anjar, in Kutch District, in Gujarat - regarding amendment of environmental clearance

Sir,

This has reference of this Ministry's letter of even no. dated 14.08.2007 and your subsequent communication dated 23.09.2010, 20.10.2010, 22.08.2011 and 22.09.2011 requesting the Ministry to split the environmental clearance of 123 MW into 43 MW and 1x80 MW separately.

2. The Ministry of Environment and Forests has examined the proposal. Land area required for the project is 20 acres of which green belt will be developed in an area of 7 acres. The fuel will be used as imported coal and lignite in the ratio of 70:30. The imported coal requirement and lignite coal requirement will be 840 MT/day and 210 MT/day respectively. The coal will be imported through Kandla or Mundra ports and lignite will be obtained from Panandhro Lignite Mines at a distance of 60 km from the plant. The imported coal will have a sulphur content of 1% and ash content of up to 6%. The lignite will have sulphur content 1% and ash content of 15.5%. The ash generated will be 82 MT/day which will be used in the brick manufacturing unit of the company and will be partly sold to the nearby brick and cement manufacturing units. It is proposed to install a single stack of 94 m. Water requirement of 5000m³/day will be met from the Gujarat Water Infrastructure Limited for which permission has been obtained. No National Park / Wildlife Sanctuary or any other eco-sensitive area is located within 10 km radius of the project. Public hearing for the project was held on 8.03.2007.

3. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of the EIA Notification, 2006 subject to stipulation of the following Specific and General conditions:

A. Specific Conditions:

- (i) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission from the proposed plant does not exceed 50µg/Nm³.
- (ii) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dust separator, coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.

- (iii) A stack of 94 m height shall be provided with continuous online monitoring equipments for SO₂, NO_x and Particulate Matter. Exit velocity of flue gases shall not be less than 15 m/sec. Imported coal with ash content and sulphur content not exceeding 6 % and 1% respectively and lignite with ash content and sulphur content not exceeding 15.5 % and 2.2 % respectively shall be used in the ratio of 70:30
- (iv) Ash shall be collected in dry form and its 100% utilization shall be ensured from day one of the commissioning of the plant.
- (v) Mercury and other heavy metals (As, Hg, Cr, Pb etc.) shall be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.
- (vi) Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached
- (vii) Water requirement shall not exceed 5000 m³/day. Treated effluent conforming to the prescribed standards shall be re-circulated and reused in the plant. No effluent shall be discharged outside the plant boundary.
- (viii) Closed circuit cooling system with cooling tower shall be provided.
- (ix) A well designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Regional Office of Ministry.
- (x) Green Belt shall be raised in 7 acres of plant area. Tree density shall not less than 2500 per ha with survival rate not less than 80 %.

B. General Conditions:

- (i) A Corporate Environmental Policy shall be formulated and after due approval of the Board of Directors of the Company shall be submitted to the Ministry within six months. The policy shall specifically address issues of adherence to environmental policy so formulated and environmental clearance conditions stipulated for the power project and also others including matters related to violations of stipulated conditions (if any) to the Board
- (ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.
- (iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry
- (iv) Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil

- (v) Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.
- (vi) Monitoring surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.
- (vii) First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (viii) Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/noise less areas.
- (ix) Regular monitoring of ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.
- (x) Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (xi) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- (xii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xiii) An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization. The status report on the functioning of the Cell shall be submitted to the Regional office of the Ministry.

periodically. The Cell shall comprise of an expert in Marine Biology Fishery and Mangroves preservation

- (xiv) The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
- (xv) The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail
- (xvi) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.
- (xvii) Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their reference during monitoring. Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.
- (xviii) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry
- (xix) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
- (xx) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bhopal / CPCB/ SPCB who would be monitoring the compliance of environmental status.

4. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.

5. The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.

6 Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986

7 In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.


8 The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.

Yours faithfully,


(Dr. P.L. Ahujarai)
Director

Copy to:

- 1 The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
- 2 The Secretary (Environment), Forests and Environment Department Government of Gujarat.
- 3 The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
- 4 The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10-A, Gandhi Nagar- 382010- with a request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.
- 5 The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
- 6 The Chief Conservator of Forests, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Ravishankar Nagar, Bhopal - 462016.
- 7 The District Collector, Kutch District, Govt. of Gujarat.
- 8 Guard file.


(Dr. P.L. Ahujarai)
Director



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016, framed under the Environmental (Protection) Act-1986

And whereas Board has received application inward No. 127382 dated 28/09/2017 for the Renewal Consolidated Consent and Authorization (CO&A) of the Board under the provisions / rules of the aforesaid Acts Consents & Authorization are hereby granted as under

CONSENTS AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To

Welspun Corp Ltd,
(Old Name: Welspun Gujarat stahl rohem ltd),
Plot No: S. no: 671 & 672,
Vill: Versamedj,
Taluka: Anjar,
Dist: Kutch-370 110.

1. Consent Order No. AWH-89418 Date of Issue: 14/11/2017.
2. The consent shall be valid up to 27/09/2022 for installation and operation of following projects, Plot No: S. no: 671 & 672, Vill: Versamedj, Taluka: Anjar, Dist: Kutch-370 110.

Sr.No.	Activity	Quantity
1	Electricity Generation	43 MW

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

1. You shall not carry out any activity which may attract applicability of EIA Notification-2006 & its amendment.
2. No ground Water shall be withdrawal without obtaining prior permission from competent authority.
3. You shall have to comply with all the conditions mentioned in the letter no J-13011/17/2007-IA-II(T) DATED 14th August 2007 and amended on dated 25th January 2012.
4. You shall operate opacity meter and online emission monitoring system to stack attached to boiler.
5. You shall comply with the Fly Ash Notification.
6. Work area including the roads surrounding the plant shall be concreted.

Page 1 of 5

7. You shall provide centralized dusting facility as well as enclosed system to belt conveyor to control fugitive emission in the premises.
8. You shall adopt deflour prevention system for handling of fly ash.
9. You shall utilize entire quantity of fly ash into cement manufacturing process.

3. CONDITIONS UNDER WATER ACT 1974:

- 3.1 The quantity of the additional industrial effluent generation from power plant operation and related activity shall not exceed 813.30 KL/Day.
- 3.2 The quantity of the domestic waste water (Sewage) shall not exceed 7.00 KL/Day.
- 3.3 Sewage shall be disposed of through septic tank/soak pit system.
- 3.4 The quality of the sewage shall conform to the following standards.

PARAMETERS	GPCB NORMS
pH	6.5 to 9.0
BOD (5 days at 20° C)	30 mg/L
Suspended solids	100 mg/L
Fecal coliform	1000

3.5 TRADE EFFLUENT

- 3.5.1 The treated effluent from the manufacturing and other ancillary operation shall conform to the following standards.

Waste water generated from	Parameter	PERMISSIBLE LIMIT
Condensate Cooling Water	pH	6.5 to 8.5
	Free available Chlorine	0.5 mg/l
Boiler Blow Down	Suspended Solids	100 mg / l
	Oil & Grease	10 mg / l
	Total Copper (as Cu)	1.0 mg/l
	Total Iron (as Fe)	1.0 mg/l
Cooling Water Blow Down	Free available Chlorine	0.5 mg/l
	Zinc (as Zn)	1.0 mg / l
	Hexavalent Chromium (as Cr)	0.1 mg / l
	Total Chromium (as Cr)	0.2 mg / l
Ash Pond Effluent	Phosphate (as P)	5.0 mg / l
	pH	6.5 to 8.5
	Suspended Solids	100 mg / l
	Oil & Grease	20 mg / l

All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 3.5.2 The effluent treated in the Effluent Treatment Plant & water re-plant conforming to the above standards shall be used partially for gardening and partially in dust suppression within the premises of your industry.

- 3.5.3 The unit shall provide metering facility at the inlet and outlet of ETP and maintain the record as per Water Use Rules-1977.

4. CONDITIONS UNDER AIR ACT 1981:

- 4.1 The following shall be fuel in the D/G Sets as under:

No.	Name of Fuel	Quantity
1.	Lignite or coal	36000 MT/Month

- 4.2 The following 7 (se) gas stacks shall install & operate air pollution control system in order to achieve flue gas emission not exceeding as follows:

Sr. no.	Stack attached to	Process	Parameter	Permissible limit
1	Boiler	2 Common Stack	Electricity	PM 20 mg/NM ³

Handwritten signature

Numbers (105 TPH each)	of 94 Meter precipitator to Each boiler	SO ₂ 600 mg/NM ³ NO _x 300 mg/NM ³ Hg 0.03 mg/NM ³
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4.3 There shall be no process gas emission from the manufacturing and other ancillary activities

4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Standards issued by MoEF & CC dated 16th November-2009.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/m ³
1.	Sulphur Dioxide (SO ₂)	Annual	50
		24 Hours	80
2.	Nitrogen Dioxide (NO ₂)	Annual	40
		24 Hours	80
3.	Particulate Matter (Size less than 10 µm) OR PM ₁₀	Annual	60
		24 Hours	100
4.	Particulate Matter (Size less than 2.5 µm) OR PM _{2.5}	Annual	40
		24 Hours	60

4.5 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.

4.6 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:

Between 6 A.M. to 10 P.M. : 75 dB (A)

Between 10 P.M. to 6 A.M. : 70 dB (A)

6 Authorization under Hazardous & Other Waste [Management, Transboundary Movement] Rules, 2016 & amended.

5.1 Authorization Number: AWH-89416 and shall valid up to 27/09/2022.

5.2 Welspun Corp Ltd,(Old Name: Welspun Gujarat stahl rohern ltd), is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at, Plot No: S. no: 671 & 672, Vill: Versamedi, Taluka: Anjar, Dist: Kutch-370 110.

Sr. No.	Waste	Quantity per Year	Schedule	Facility
1.	Used Oil	1.500 MT	5.1	Collection, storage, and disposal by sending to registered recycler.
2.	Waste Residue Containing Oil	0.5 MT	5.5	Collection, storage, and disposal by sending to authorized Common Facility
3.	Discarded Containers	30 MT	33.3	Collection, storage, and Disposal by selling to authorized vendor
4.	Spent Ion Exchange	2.549 MT	34.2	Collection, storage, and disposal by sending to authorized Common Facility

5.3 The authorization is granted to operate a facility for collection, storage, within factory premises transportation, and ultimate disposal of Hazardous wastes by selling out to registered recyclers.

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

(Signature)

5. GENERAL CONDITIONS OF AUTHORIZATION:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. Hazardous Waste generated shall be disposed off in accordance with the Hazardous Waste & other waste (Management & Transboundary Movement) Rules, 2016 as amended and unit shall have to obtain authorization of the Board for all applicable categories of Hazardous wastes.
 - (a) Used oil / spent oil shall be disposed off by selling it to registered re-refiner units only.
 - (b) Oily sludge from separators shall be dispose or of selling it to registered re-refiners unit only
 - (c) ETP sludge shall be disposed of at TSDF approved by the Board.
 - (d) Used batteries shall be sold to the GPCB authorized dealers.
6. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption of hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. An application for the renewal of an authorization shall be made as laid down under these Rules
12. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
13. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

7. GENERAL CONDITIONS

- 7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 7.2 The waste generator shall be totally responsible for (i.e. Collection, storage, transportation and ultimate disposal) of the wastes generated.
- 7.3 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form - 4 by 31st January of every year
- 7.4 In case of any accident, details of the same shall be submitted in Form - 5 to Gujarat Pollution Control Board.
- 7.5 Applicant shall comply relevant provision of "Public Liability Insurance Act - 91".
- 7.6 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for "management & handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.

- 7.8 Adequate plantation shall be carried out all along the periphery of the industrial premises and a green belt of 10 meters width is developed.
- 7.9 The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986
- 7.10 The over all noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.
- 7.11 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:
Between 6 A.M and 10 P.M.: 75 dB (A)
Between 10 P.M. and 6 A.M.: 70 dB (A)
- 7.12 In case of transport of hazardous waste to a facility for (i.e. Treatment, Storage and disposal) existing in a state other than the state where hazardous waste are generated, the occupier shall obtain "No Objection certificate" from the state pollution Control Board, the Committee of the concerned state or Union territory Administration where the facility exists.
- 7.13 Unit shall take all concrete measures to show tangible results in waste generation reduction, avoidance, reuse and recycle. Action taken in this regards shall be submitted within 03 months and also along with Form 4.
- 7.14 You shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme Court's order in W.P. No.657 of 1995 dated 14th October 2003.
- 7.15 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.

For and on behalf of
Gujarat Pollution Control Board


(P. J. Vachhani)
Senior Environmental Engineer

NO: PO/CCA- KUTCH- 445(4)/ ID 36190/ 4/ 29578

Date: 01/12/17

ISSUED TO:
Welspun Corp Ltd,
(Old Name: Welspun Gujarat stahl rohern ltd),
Plot No: S. no: 671 & 672,
Vill: Versamedti,
Taluka: Anjar,
Dist: Kutch-370 110.

List of Annexure

Sr. No.	Description
1	EHS Policy
2	Fire Plan Layout
3	Details of Water Consumption & Waste Water Generation
4	Analysis Report of Imported Coal & Lignite
5	Environmental Monitoring Analysis Reports
	A. Stack Monitoring
	B. Noise Monitoring
	C. Ambient Air Monitoring
	D. National Ambient Air Monitoring
6	Copy of Advertisement in Local News Paper
7	LDO Storage Approval
8	Quantity of Ash Generation & Utilization
9	Layout of Plant with Green Belt

ANNEXURE-01

EHS POLICY

OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT POLICY

WELSPUN CORP LTD. aims to maintain its Leadership position by embedding the highest Standards of Occupational Health, Safety and Environment Management into everything it does and this policy is deployed throughout our organization using a risk-based approach.

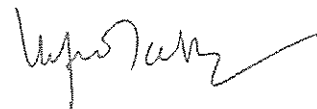
We are committed to:

- Adherence to the compliance obligations and all other applicable regulations & requirements those are relevant to our organization.
- Prevent Environmental pollution across the life cycle of all our activities, products, and services.
- Prevent Occupational hazards, ill-health and injury at our work place.
- Implementation of environment friendly measures in our scope of work.
- Usage of sustainable resources.
- Reduce -Reuse and Recycle (R-R-R) of waste.
- Build awareness of employees at all levels.
- Provide and maintain safe, healthy and environment friendly work places for employees and other stakeholders in all operating processes.

In line with this Policy, WELSPUN CORP LTD. establishes Occupational Health, Safety and Environment Objectives for each process, which are appropriate and supporting the purpose, context and strategic direction of the Organization..

We shall:

- Communicate and practice this policy extensively throughout our global operations within the organization.
- Use this policy for regularly setting, measuring and revising our Occupational Health, Safety and Environment objectives at the appropriate levels, functions and processes.
- Recognize the importance of promoting and implementing this policy effectively throughout our entire Supply Chain, from our Suppliers to our Customers, to ensure the proper and efficient use of our products in accordance with agreed specifications.
- Make this policy available to all the relevant stakeholders.
- Undertake to keep this policy reviewed and updated to ensure that it remains relevant to the context of our diverse business operations.



VIPUL MATHUR

(Occupier cum Managing Director and CEO)

Date: 17.07.2018



WELSPUN CORP
PIPES AND PLATES

व्यावसायिक स्वास्थ्य, सुरक्षा एवं पर्यावरण नीति

वेल्स्पन कॉर्प लिमिटेड का उद्देश्य अपने हर काम में व्यावसायिक स्वास्थ्य, सुरक्षा एवं पर्यावरण प्रबंधन के उच्चतम मानकों को अपनाकर अपनी नेतृत्वकारी स्थिति को बरकरार रखना है। इस नीति को पूरे संस्थान में लागू किया गया है और इसमें जांखिम-आधारित दृष्टिकोण अपनाया गया है।

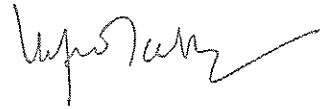
हम प्रतिबद्ध हैं :

1. अनुपालन उत्तरदायित्वों एवं अन्य सभी लागू नियमों एवं जरूरतों का पालन करने के लिये जोकि हमारे संस्थान के लिए प्रासंगिक हैं।
2. हमारी सभी गतिविधियों, उत्पादों और सेवाओं के जीवनचक्र में पर्यावरणीय प्रदूषण को रोकने के लिये।
3. हमारे कार्यस्थल पर व्यावसायिक खतरों, खराब स्वास्थ्य और चोटों को रोकने के लिये।
4. हमारे कार्य के क्षेत्र में पर्यावरण हितैषी उपायों का क्रियान्वयन करने के लिये।
5. स्थायी संसाधनों का उपयोग करने के लिये।
6. अपशिष्ट को कम करने, उसका पुनःउपयोग और पुनःचक्रण करने (रिड्यूस-रियूज-रिसाइकल यानी आर-आर-आर) के लिये
7. सभी स्तरों पर कर्मचारियों को जागरूक बनाने के लिये।
8. कर्मचारियों एवं सभी परिचालन प्रक्रियाओं में संलग्न अन्य हितधारकों के लिए सुरक्षित, स्वस्थ एवं पर्यावरण हितैषी कार्यस्थल उपलब्ध कराने एवं उन्हें बरकरार रखने के लिये।

इस नीति के अनुरूप, वेल्स्पन कॉर्प लिमिटेड ने प्रत्येक प्रक्रिया के लिए व्यावसायिक स्वास्थ्य, सुरक्षा एवं पर्यावरणीय उद्देश्यों को स्थापित किया है, जोकि बिल्कुल उचित हैं एवं संस्थान के उद्देश्य, संदर्भ और रणनीतिक निर्देशक का समर्थन करते हैं...

हम करेंगे :

1. संस्थान में हमारे वैश्विक परिचालनों में इस नीति को व्यापकता से संचारित करना एवं इसे अमल में लाना।
2. हमारे व्यावसायिक स्वास्थ्य, सुरक्षा एवं पर्यावरण उद्देश्यों को उचित स्तरों, कार्यों एवं प्रक्रियाओं में नियमित तौर पर स्थापित करने, उनको मापने और संशोधन करने के लिए इस नीति का उपयोग करना।
3. इस नीति को हमारी सनूची आपूर्ति श्रृंखला यानी हमारे सप्लायर्स से लेकर ग्राहकों तक में, प्रभावी ढंग से प्रचारित एवं क्रियान्वित करने के सहत्व को पहचानना ताकि सहमत विशिष्टताओं के मुताबिक हमारे उत्पादों का उचित एवं प्रभावी उपयोग सुनिश्चित हो सके।
4. इस नीति का सभी प्रासंगिक हितधारकों को उपलब्ध कराना।
5. इस नीति की समीक्षा करते रहना और इसे अपडेट करना ताकि सुनिश्चित हो कि यह हमारे विशिष्टीकृत व्यावसायिक परिचालन के संदर्भ में बिल्कुल प्रासंगिक है।



विपुल माथुर

(ऑक्वुपायर सह प्रबंध निदेशक एवं सीईओ)

तारीख: 17.07.2018



WELSPUN CORP
PIPES AND PLATES

વ્યવસાયી આરોગ્ય, સુરક્ષા અને પર્યાવરણ નીતિ

વેલસ્પન કોર્પ લિ.નું લક્ષ્ય તે જે પણ કરે તેમાં વ્યવસાયી આરોગ્ય, સુરક્ષા અને પર્યાવરણીય વ્યવસ્થાપનનાં સર્વોચ્ચ ધોરણોનું પાલન કરીને તેનું આગેવાન સ્થાન જાળવી રાખવાનું છે અને આ નીતિ જોખમ આધારિત અભિગમનો ઉપયોગ કરીને અમારી સંપૂર્ણ સંસ્થામાં હાથે લગાવવામાં આવે છે.

અને કારણે છે:

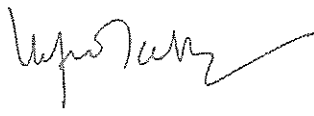
- આપણી સંસ્થામાં સુસંગત અભિમુખતા જવાબદારીઓ અને સર્વ અન્ય લાભુ નિયમન અને આવર્યકતાઓનું પાલન.
- આપણી બધી પ્રવૃત્તિઓ, પ્રોડક્ટો અને સેવાઓના જીવનચક્રમાં પર્યાવરણ પ્રદૂષણ નિવારણ.
- આપણા કાર્યસ્થળે વ્યવસાયી જોખમો, ળીમારી અને ઈજા નિવારણી.
- આપણા કાર્યની ક્ષિતિજમાં પર્યાવરણ અનુકૂળ પગલાંની અમલબજવણી.
- સહાય સંસાધનોનો ઉપયોગ.
- કચરાનું રિડ્યુસ- રિયુઝ અને રિસાઈકલ (આર- આર- આર).
- સર્વ સ્તરે કર્મચારીઓમાં જાગૃતિ નિર્માણ કરવી.
- સર્વ સંચાલન પ્રક્રિયાઓમાં કર્મચારીઓ અને અન્ય હિસ્સાધારકો માટે સુરક્ષિત, આરોગ્યવર્ધક અને પર્યાવરણ અનુકૂળ કાર્યસ્થળો પૂરાં પાડવાં અને તેની જાળવણી.

આ નીતિની રેખામાં વેલસ્પન કોર્પ લિ. એ સંસ્થાના હેતુ, પરિપ્રેક્ષ્ય અને વ્યૂહાત્મક દિશામાં યોગ્ય અને ટેકો આપતી દરેક પ્રક્રિયા માટે વ્યવસાયી આરોગ્ય, સુરક્ષા અને પર્યાવરણ હેતુઓ સ્થાપિત કરવા.

આપણે :

- સંસ્થામાં આપણી સંપૂર્ણ વૈશ્વિક કામગીરીઓમાં આ નીતિનો વ્યાપક રીતે પ્રસાર કરીશું અને વ્યવહારમાં લાવીશું.
- આ નીતિ યોગ્ય સ્તર, કામગીરીઓ અને પ્રક્રિયાઓમાં આપણા વ્યવસાયી આરોગ્ય, સુરક્ષા અને પર્યાવરણીય હેતુઓ નિયમિત રીતે સ્થાપવા, માપન કરવા અને સુધારણા કરવા માટે ઉપયોગ કરીશું.
- સંમત રૂપરેખા અનુસાર આપણી પ્રોડક્ટોનો યોગ્ય અને કાર્યક્ષમ ઉપયોગ કરવાની ખાતરી રાખવા માટે આપણા પુરવઠાકારોથી આપણા ગ્રાહકો સુધી આપણી સંપૂર્ણ પુરવઠા શૃંખલામાં અસરકારક રીતે આ નીતિને પ્રોત્સાહન આપવાના અને અમલ કરવાના મહત્વને ઓળખવું.
- આ નીતિ બધા સુસંગત હિસ્સાધારકોને ઉપલબ્ધ કરવી.
- આ નીતિ આપણી વૈશિષ્ટ્યપૂર્ણ વેપાર કામગીરીના પરિપ્રેક્ષ્યને સુસંગત રહે તેની ખાતરી રાખવા માટે તેની સમીક્ષા અને અપડેટ કરતા રહેવું.

તારીખ: ૧૭.૦૭.૨૦૧૮

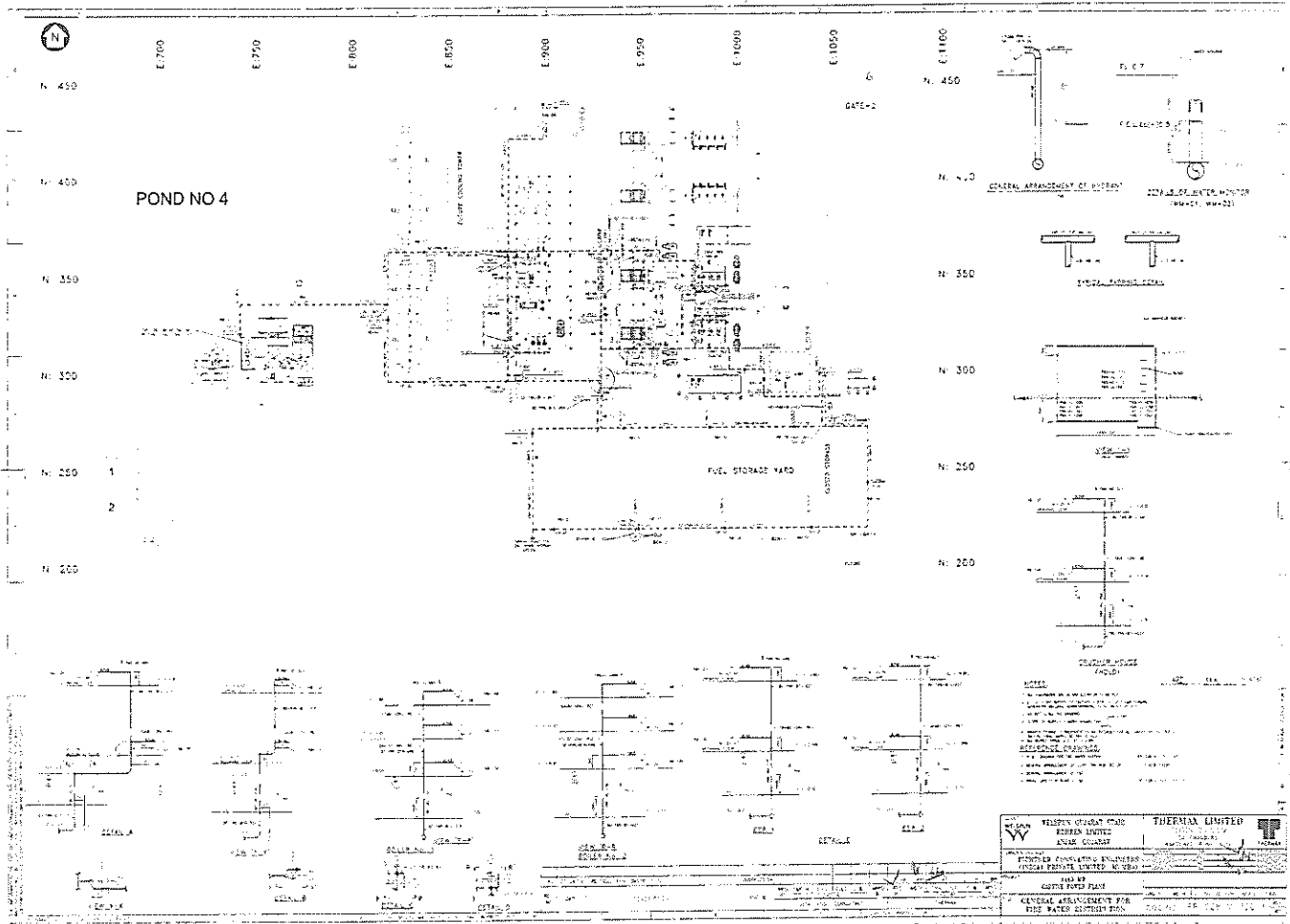

વિપુલ ભાથુર
(ઓફિસ પાયર કમ મેનેજિંગ ડાયરેક્ટર અને સીઈઓ)



WELSPUN CORP
PIPES AND PLATES

ANNEXURE-02

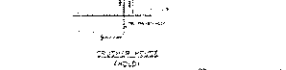
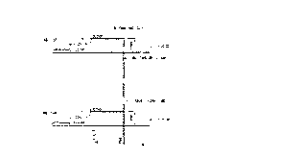
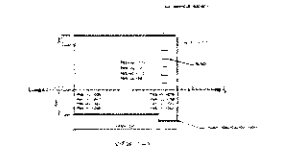
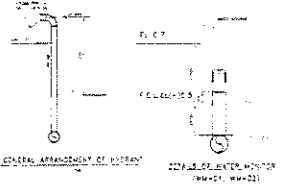
Fire Layout of Plan



POND NO 4

FUEL STORAGE YARD

GATE-2



- NOTES
1. All dimensions are in meters.
 2. All materials to be as per specification.
 3. All work to be done in accordance with the drawings.
 4. All work to be done in accordance with the specifications.
 5. All work to be done in accordance with the drawings.
 6. All work to be done in accordance with the specifications.
 7. All work to be done in accordance with the drawings.
 8. All work to be done in accordance with the specifications.
 9. All work to be done in accordance with the drawings.
 10. All work to be done in accordance with the specifications.

	WIPAC WATER & POWER AGENCY OF CANADA 1000 RIVER ROAD OTTAWA, ONTARIO K1H 8L9		THERMAX LIMITED 1000 RIVER ROAD OTTAWA, ONTARIO K1H 8L9
	PROJECT ENGINEER GENERAL ARRANGEMENT FOR FIRE WATER SUPPLY PWS		PROJECT NO. 1000 RIVER ROAD OTTAWA, ONTARIO K1H 8L9

E) Waste Water Generation – 2020-21

Sr. No.	Month	Waste Water Generation (M ³)
1	April-21	7966
2.	May-21	5999
3.	June-21	9067
4.	July-21	8728
5	Aug-21	10395
6	Sept-21	13135
7		
8		
9		
10		
11		
12		
Total		55290

ANNEXURE-04

Analysis Report of Imported Coal

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836)663087

Date: 29.04.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 25.04.21

SAMPLE DESCRIPTION

: Imp. Coal sample (Mundra Port) collected from uncrushed
Coal yard by unloading trucks on dated: 25.04.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
25.04.21	33.82	4.46	31.44	30.28	4131	0.18



PREPARED BY



CHECKED BY



AUTHORISED SIGNATORY

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836)663087

Date: 16.05.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 11.05.21

SAMPLE DESCRIPTION

: Imp. Coal sample (Mundra Port) collected from uncrushed
Coal yard by unloading trucks on dated: 11.05.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
11.05.21	33.47	5.15	32.52	28.85	4141	0.24



PREPARED BY



CHECKED BY



AUTHORISED SIGNATORY

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836) 663087

Date: 08.06.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 03.06.21

SAMPLE DESCRIPTION

: Imp. Coal sample (Mundra Port) collected from uncrushed
Coal yard by unloading trucks on dated: 03.06.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
03.06.21	34.16	2.61	32.73	30.51	4147	0.28



PREPARED BY



CHECKED BY



AUTHORISED SIGNATORY

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836)663087

Date: 20.07.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 15.07.21

SAMPLE DESCRIPTION

: Imp. Coal sample (Mundra Port) collected from uncrushed
Coal yard by unloading trucks on dated: 15.07.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
15.07.21	34.47	3.08	31.84	30.61	4154	0.20



PREPARED BY



CHECKED BY



AUTHORISED SIGNATORY

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836)663087

Date: 22.08.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 17.08.21

SAMPLE DESCRIPTION

: Imp. Coal sample (Mundra Port) collected from uncrushed
Coal yard by unloading trucks on dated: 17.08.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
17.08.21	36.07	5.77	29.77	28.39	4080	0.16



PREPARED BY



CHECKED BY



AUTHORISED SIGNATORY

WELSPUN CORP. LTD

43 MW – POWER PLANT

SECTION: LABORATORY

SURVEY NO: 671 & 672, VILLAGE: VARSAMEDI, TA: ANJAR, DIST: KUTCH, PIN: 370 110, PH NO: (02836)663087

Date: 21.09.21

TEST REPORT

SAMPLE PARTICULARS
MATERIAL TO BE TESTED

: Coal

SAMPLE RECEIPT DATE

: 16.09.21

SAMPLE DESCRIPTION

: Imp. Coal sample () collected from uncrushed
Coal yard by unloading trucks on dated: 16.09.21

Parameter to be tested

: TM, Ash, VM, FC, GCV, S

TEST METHOD

: ASTM D 3302
ASTM D 3174
ASTM D 3175

Sample No.	TM	Ash	VM	FC	(GCV)	Sulfur (ADB)
	(%)	(%)	(%)	(%)	Kcal/Kg	(%)
16.09.21	34.07	4.90	31.70	29.33	4118	0.26


PREPARED BY


CHECKED BY


AUTHORISED SIGNATORY

ANNEXURE-05

Environmental Monitoring Analysis Reports

- A. Stack Monitoring**
- B. Noise Monitoring**
- C. Ambient Air Monitoring**
- D. National Ambient Air Quality Monitoring**



Royal

Environment Auditing & Consultancy Service

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Ph.: +91 281 2360695 ■ E-mail: royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref No : 801/06/2021-22

Date : 30/06/2021

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Captive Power Generation Limited,
43 MW Power Plant(WCPGL), Survey No. : 671 & 672
Welspun City, P B No. 21, Village: Varasamedi
Taluka: Anjar, District: Kutch.

Test Method : As per IS Standards - 11255 1/2/3/7

Sample Taken by : Royal Environment

Sr.No.	Particulars	Unit	Results
01	Stack Attached to	----	FBC Boiler (43 MW Power Plant)
02	Date Of Sampling	----	05/06/2021
03	Time Of Sampling	----	15.00
04.	Air Pollution Control Measures	---	ESP
05	Stack Height	Meter	89
06.	Stack Temperature	°c	118
07.	Ambient Temperature	°c	33
08.	Average Velocity of Flue Gases	M/Sec	12.3
09	Isokinetic flow rate for P M Sampling	LPM	18
10.	Gaseous Sampling Flow Rate	LPM	2.0
11.	Permissible Limit for P.M.*	mg/Nm ³	50
12.	Measured Concentration of P.M.	mg/Nm ³	28
13.	Permissible Limit for SO ₂ **	PPM	600
14.	Measured Concentration of SO ₂	PPM	446
15.	Permissible Limit for NO _x **	PPM	300
16.	Measured Concentration of Nox	PPM	236
17.	Permissible Limit for Hg *	mg/Nm ³	0.03
18	Measured Concentration of Hg	mg/Nm ³	0.0021

*Permissible Limit are as per GPCB CC&A. **Permissible value is as per MoEF Notification dated 7th December 2015

Instrument Used : Ecotech Stack Kit ESS 100, Calibration done on : 13/10/2020

Royal Environment Auditing & Consultancy Service

Jagdish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivajik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. : 901/09/2021-22

Date : 28/09/2021

REPORT OF STACK EMISSION ANALYSIS

Name of company : Welspun Captive Power Generation Limited,
43 MW Power Plant(WCPGL), Survey No. : 671 & 672
Welspun City, P.B. No. 21, Village: Varasamedi
Taluka: Anjar, District: Kutch.

Test Method As per IS Standards - 11255, 1/2/3/7

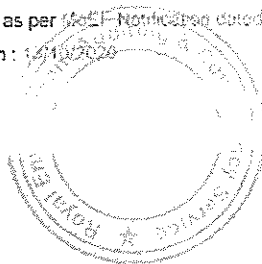
Sample Taken by Royal Environment

Sr.No.	Particulars	Unit	Results
01	Stack Attached to	-----	FBC Boiler (43 MW Power Plant)
02	Date Of Sampling	---	15/09/2021
03	Time Of Sampling	---	13.30
04.	Air Pollution Control Measures	---	ESP
05.	Stack Height	Meter	89
06.	Stack Temperature	°c	120
07.	Ambient Temperature	c	32
08.	Average Velocity of Flue Gases	M/Sec.	13.2
09.	Isokinetic flow rate for P.M. Sampling	LPM	19
10.	Gaseous Sampling Flow Rate	LPM	2.0
11.	Permissible Limit for P.M.*	mg/Nm ³	50
12.	Measured Concentration of P.M.	mg/Nm ³	32
13.	Permissible Limit for SO ₂ **	PPM	600
14.	Measured Concentration of SO ₂	PPM	450
15.	Permissible Limit for NO _x **	PPM	300
16.	Measured Concentration of Nox	PPM	241
17.	Permissible Limit for Hg *	mg/Nm ³	0.03
18.	Measured Concentration of Hg	mg/Nm ³	0.003

*Permissible Limit are as per GPCB CC&A, **Permissible value is as per MoEF Notification dated 11/12/2015

Instrument Used : Ecotech Stack Kit ESS 100, Calibration done on : 12/10/2020

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



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Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Date : 30/06/2021

Ref. No. :803/06/2021-22

AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Welspun Captive Power Generation Limited,
43 MW Power Plant(WCPGL), Survey No. : 671 & 672
Welspun City, P.B. No. 21, Village: Varasamedi
Taluka: Anjar, District: Kutch.

Date of Sampling :05/06/2021

Reading Taken by : Royal Environment

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 6.00 AM - 10.00 PM	Night Time 10.00 AM - 6.00 PM
	Time of Sampling		
	Permissible Limits	75.0	70.0
01.	Nr. Security Gate	56.1	48.4
02.	Near TG House	58.2	50.3
03.	Nr. Switch yard	61.2	48.1
04.	Nr.DM Plant	62.1	50.3

Instruments used : Sound level meter, model : SL- 4030. (Lutron Make)

Calibration Done On. : 12/09/2020

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Ref. No. : 903/09/2021-22

Date : 28/09/2021

AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Welspun Captive Power Generation Limited,
43 MW Power Plant(WCPGL), Survey No. : 671 & 672
Welspun City, P.B. No. 21, Village: Varasamedi
Taluka: Anjar, District: Kutch.

Date of Sampling : 21/09/2021

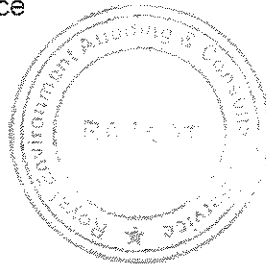
Reading Taken by : Royal Environment

Sr. No.	Location of Sampling	Noise Level Avg. in dB (A)	
		Day Time 6.00 AM - 10.00 PM	Night Time 10.00 AM - 6.00 PM
	Time of Sampling		
	Permissible Limits	75.0	70.0
01.	Nr. Security Gate	55.0	14.1
02.	Near TG House	60.2	51.0
03.	Nr. Switch yard	57.1	49.8
04.	Nr. DM Plant	63.4	60.2

Instruments used : Sound level meter, model : SL- 4030, (Lutron Make)

Calibration Done On. : 12/09/2020

Royal Environment Auditing & Consultancy Service



Ashish
Analyst



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Ref. No. : 806/06/2021-22

Date : 30/06/2021

REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : Welspun Captive Power Generation Limited,
43 MW Power Plant(WCPGL), Survey No. : 671 & 672
Welspun City, P.B. No. 21, Village: Varasamedi
Taluka: Anjar, District: Kutch.

Sample Collected By : Royal Environment

Test Method : As per IS Standards - 5182_2/4/6

Sr. No.	Particulars	Unit	Location No. 1	Location No. 2	Location No. 3
01.	Location of Sampling	---	Behind Control Building	Nr. Cooling Tower	Nr. Security Main Gate
02.	Date of sampling	---	05/06/2021	05/06/2021	05/06/2021
03.	Time of sampling	Hr.	9.00	8.35	9.45
04.	Duration of sampling	Hrs.	24.00	24.00	24.00
05.	Dominant Wind Direction (From)	---	SE	SE	SE
06.	Average Wind Speed	Km/Hr.	1 to 16	1 to 16	1 to 16
07.	Average flow rate during sampling	m ³ /min.	1.20	1.20	1.20
08.	Average flow rate for Gas sampling	LPM	0.2	0.2	0.2
09.	Permissible Limits of PM _{2.5} *	µg/m ³	60	60	60
10.	Measured Concentration of P.M.2.5	µg/m ³	31	33	30
11.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100
12.	Measured Concentration of PM ₁₀	µg/m ³	43	48	46
13.	Permissible Limits of SO ₂ *	µg/m ³	80	80	80
14.	Measured Concentration of SO ₂	µg/m ³	12.2	15.1	13.6
15.	Permissible Limits of NO ₂ *	µg/m ³	80	80	80
16.	Measured Concentration of NO ₂	µg/m ³	22.9	20.3	21.5

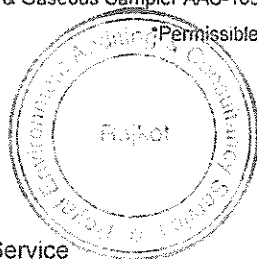
Instrument Used: 1) Ecotech make RDS,APM - 217BL & Gaseous Sampler AAS-109, PM 2.5 Sampler AAS 127

Calibration Done On. : 15/06/2020

Permissible Limits are as per NAAQ Standard 16th November 2009

Royal Environment Auditing & Consultancy Service

Analyst



Jagdish



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Ref. No. :2065/04/2020-21

Date: 30/04/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : APRIL - 2021

Name of company : Welspun Captive Power Generation Limited,
80 MW Power Plant(WCGPL) Survey No :671&672
Welspun City, P B. No. 21, Village: Varasamedi,
Taluka: Anjar, District: Kutch

Sample Collected By : Royal Environment

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	---	05/04/21 09.30	06/04/21 09.40	12/04/21 08.20	13/04/21 08.30	19/04/21 08.40	20/04/21 08.50	26/04/21 09.35	27/04/21 09.45
03	Date & Time - Ending of Monitoring	---	06/04/21 09.30	07/04/21 09.40	13/04/21 08.20	14/04/21 08.30	20/04/21 08.40	21/04/21 08.50	27/04/21 09.35	28/04/21 09.45
04	Duration of Sampling	Min	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	NE	NW	NE	NW	NW	NW	NE	NE
06	Wind Speed velocity	m/hr	1 to 11	1 to 12	1 to 10	1 to 11	1 to 11	1 to 11	1 to 11	1 to 10
07	Average Flow Rate For PM _{2.5}	m ³ /Hr.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08.	Average Flow Rate For PM ₁₀	m ³ /Min	1.20	1.20	1.10	1.20	1.10	1.10	1.10	1.20
09.	Average Flow Rate for Gaseous	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60
11	Measured Concentration of PM _{2.5}	µg/m ³	31	33	34	35	38	36	35	37
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100
13	Measured Concentration of PM ₁₀	µg/m ³	54	52	56	55	51	53	58	53
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	13.5	11.2	15.4	11.4	15.3	13.2	12.6	13.5
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	22.4	21.1	23.1	20.8	23.7	18.4	21.3	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 : 15/06/2020

Royal Environment Auditing & Consultancy Services, Rajkot

Royal Analyst



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Ref No. :3065/05/2021-22

Date: 31/05/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : MAY - 2021

Name of company : Welspun Captive Power Generation Limited,
80 MW Power Plant(WCGPL) Survey No :671&672
Welspun City, P B No 21, Village: Varasamedi,
Taluka: Anjar, District Kutch

Sample Collected By : Royal Environment

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	---	03/05/21 08.10	04/05/21 08.20	10/05/21 09.15	11/05/21 09.25	17/05/21 09.00	18/05/21 09.10	24/05/21 09.15	25/05/21 09.25
03	Date & Time - Ending of Monitoring	---	04/05/21 08.10	05/05/21 08.20	11/05/21 09.15	12/05/21 09.25	18/05/21 09.00	19/05/21 09.10	25/05/21 09.15	26/05/21 09.25
04	Duration of Sampling	M.n.	1440	1440	1440	1440	1440	1440	1440	1440
05.	Dominant Wind Direction (From)	---	NE	NE	NW	NE	NE	NE	NW	NW
06	Wind Speed Velocity	Km/Hr	2 to 10	3 to 12	2 to 10	1 to 11	4 to 11	3 to 15	5 to 11	3 to 10
07.	Average Flow Rate For PM _{2.5}	m ³ /Hr	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM ₁₀	m ³ /Min	1.10	1.10	1.20	1.10	1.20	1.20	1.20	1.10
09	Average Flow Rate for Gaseous	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60
11	Measured Concentration of PM _{2.5}	µg/m ³	32	38	30	36	39	33	36	40
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100
13.	Measured Concentration of PM ₁₀	µg/m ³	51	55	53	52	54	50	53	52
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	14.1	13.1	14.5	12.6	13.5	12.4	16.2	14.3
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	21.2	22.3	23.2	24.3	23.5	18.6	18.3	20.2

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 : 15/06/2020

Royal Environment Auditing & Consultancy Service, Rajkot

Jagdeep
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivaji-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No : 4065/06/2021-22

Date: 30/06/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : JUNE - 2021

Name of company : Welspun Captive Power Generation Limited,
80 MW Power Plant(WCGPL) Survey No : 671&672
Welspun City, P.B No 21, Village: Varasamedi,
Taluka. Anjar, District. Kutch.

Sample Collected By : Royal Environment

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)									
			01		02		03		04		05	
01.	No. of Week	—	01		02		03		04		05	
02	Date & Time Starting of Monitoring	—	01/06/21 09.20	02/06/21 09.30	07/06/21 08.30	08/06/21 08.40	14/06/21 08.45	15/06/21 08.55	21/06/21 09.30	22/06/21 09.40	28/06/21 08.40	29/06/21 08.50
03	Date & Time Ending of Monitoring	—	02/06/21 09.20	03/06/21 09.30	08/06/21 08.30	09/06/21 08.40	15/06/21 08.45	16/06/21 08.55	22/06/21 09.30	23/06/21 09.40	29/06/21 08.40	30/06/21 08.50
04.	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
06.	Wind Speed Velocity	Km/Hr	1 to 10	2 to 12	3 to 10	2 to 11	3 to 11	2 to 15	3 to 13	4 to 10	6 to 11	2 to 10
07	Average Flow Rate For PM _{2.5}	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 PM ₁₀	m ³ /Hr.	1.20	1.20	1.10	1.20	1.10	1.10	1.10	1.20	1.10	1.20
09.	Average Flow Rate for Gaseous	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 PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60	60	60
11	Measured Concentration of PM _{2.5}	µg/m ³	36	34	32	38	41	28	22	34	37	42
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100	100	100
13	Measured Concentration of PM ₁₀	µg/m ³	53	57	55	57	52	40	42	54	51	50
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	15.2	14.3	15.4	13.4	12.6	10.1	8.8	11.5	12.6	13.5
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	20.3	21.1	24.1	23.4	25.3	15.1	14.6	13.2	17.1	21.3

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 : 15/09/2020

Environment Auditing & Consultancy Service, Rajkot

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail . royalsenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. :5065/07/2021-22

Date: 31/07/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : JULY - 2021

Name of company : Welspun Captive Power Generation Limited,

80 MW Power Plant(WCGPL) Survey No ..671&672

Welspun City, P.B No. 21, Village: Varasamedi,

Taluka: Anjar, District: Kutch.

Sample Collected By : Royal Environment

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	--	05/07/21 09.00	06/07/21 09.10	12/07/21 08.20	13/07/21 08.30	19/07/21 08.40	20/07/21 08.50	26/07/21 08.30	27/07/21 08.40
03.	Date & Time - Ending of Monitoring	--	06/07/21 09.00	07/07/21 09.10	13/07/21 08.20	14/07/21 08.30	20/07/21 08.40	21/07/21 08.50	27/07/21 08.30	28/07/21 08.40
04	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	--	SW	SW	SW	SW	SW	SW	SW	SW
06.	Wind Speed Velocity	Km/Hr.	3 to 12	3 to 14	2 to 12	3 to 14	2 to 12	4 to 16	2 to 13	3 to 12
07.	Average Flow Rate For PM _{2.5}	m ³ /Hr	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08	Average Flow Rate For PM ₁₀	m ³ /Min	1.10	1.10	1.20	1.10	1.20	1.20	1.20	1.10
09.	Average Flow Rate for Gaseous	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60
11	Measured Concentration of PM _{2.5}	µg/m ³	34	32	35	36	39	30	31	40
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100
13	Measured Concentration of PM ₁₀	µg/m ³	50	52	57	53	50	46	54	53
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	13.7	15.2	13.2	14.2	11.8	10.9	11.6	12.4
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	18.3	20.4	22.8	21.4	23.7	17.6	16.2	20.5

Instrument Used: 1) Ecoltech make RDS, Model No. APM - 217BL & Gaseous Pollutants Sampler Model No. AAS-109, PM 2.5 Sampler AAS 127

Calibration Done On: 15/06/2020

Royal Environment Auditing & Consultancy Service, Rajkot

Ashish
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360635 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. 6065/08/2021-22

Date: 31/08/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : AUGUST - 2021

Name of company : Welspun Captive Power Generation Limited.

80 MW Power Plant(WCGPL) Survey No.:671&672

Welspun City, P.B. No. 21, Village: Varasamedi,

Taluka: Anjar, District: Kutch.

Sample Collected By : Royal Environment

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	---	02/08/21 08.15	03/08/21 08.25	09/08/21 08.30	10/08/21 08.40	16/08/21 08.10	17/08/21 08.20	23/08/21 08.20	24/08/21 08.30
03.	Date & Time - Ending of Monitoring	---	03/08/21 08.15	04/08/21 08.25	10/08/21 08.30	11/08/21 08.40	17/08/21 08.10	18/08/21 08.20	24/08/21 08.20	25/08/21 08.30
04.	Duration of Sampling	Min.	1440	1440	1440	1440	1440	1440	1440	1440
05.	Dominant Wind Direction (From)	---	SE	SE	SE	SE	SE	SE	SE	SE
06.	Wind Speed Velocity	Km/Hr	1 to 13	3 to 14	2 to 15	1 to 11	3 to 16	4 to 15	4 to 16	4 to 15
07.	Average Flow Rate For PM _{2.5}	m ³ /Hr.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
08.	Average Flow Rate For PM ₁₀	m ³ /Min	1.20	1.20	1.10	1.20	1.10	1.10	1.10	1.20
09.	Average Flow Rate for Gaseous	LPM	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10.	Permissible Limits of PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60
11.	Measured Concentration of PM _{2.5}	µg/m ³	39	35	32	33	36	32	34	38
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100
13.	Measured Concentration of PM ₁₀	µg/m ³	52	51	49	47	53	52	45	49
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	11.2	13.7	12.5	10.6	13.2	11.9	11.6	12.4
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	13	14.6	15.8	12.9	17.3	15.2	16.7	13.4

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: 15/06/2020



Royal

Environment Auditing & Consultancy Service

303-304, Shivalk-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph: +91 281 2360695 ■ E-mail: royalenvironment@live.com ■ admin@royalconsultancy.com

Ref No : 7065/09/2021-22

Date: 30/09/2021

DETAILED RESULTS OF NATIONAL AMBIENT AIR QUALITY MONITORING OF THE MONTH : SEPTEMBER - 2021

Name of company Welspun Captive Power Generation Limited,
80 MW Power Plant(WCGPL) Survey No 671&672
Welspun City, P B No 21, Village: Varasamedi,
Taluka Anjar, District Kutch

Sample Collected By : Royal Environment

S. No.	Particulars	Unit	Location No.- 1: Nr. Security Gate (Welspun Steel)									
			01	02	03	04	05	06	07	08	09	10
01.	No. of Week	---	01	02	03	04	05	06	07	08	09	10
02	Date & Time Starting of Monitoring		01/09/21 09 15	02/09/21 09 25	06/09/21 09 30	07/09/21 09 40	13/09/21 09 10	14/09/21 09 20	20/09/21 08 30	21/09/21 08 10	27/09/21 00 20	28/09/21 00 30
03	Date & Time - Ending of Monitoring	---	02/09/21 09 15	03/09/21 09 25	07/09/21 09 30	08/09/21 09 40	14/09/21 09 10	15/09/21 09 20	21/09/21 08 30	22/09/21 08 40	28/09/21 09 20	29/09/21 09 30
04	Duration of Sampling	Min	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
05	Dominant Wind Direction (From)	---	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
06	Wind Speed Velocity	Km/Hr	3 to 12	4 to 15	3 to 14	2 to 12	4 to 15	3 to 16	4 to 13	1 to 12	5 to 14	5 to 17
07	Average Flow Rate For PM _{2.5}	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 PM ₁₀	m ³ /Min	1 10	1 20	1 20	1 10	1 20	1 10	1 20	1 10	1 10	1 20
09	Average Flow Rate for Gaseous	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 PM _{2.5} *	µg/m ³	60	60	60	60	60	60	60	60	60	60
11	Measured Concentration of PM _{2.5}	µg/m ³	42	41	37	38	40	38	41	34	39	43
12.	Permissible Limits of PM ₁₀ *	µg/m ³	100	100	100	100	100	100	100	100	100	100
13	Measured Concentration of PM ₁₀	µg/m ³	57	46	54	52	58	48	51	56	50	52
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	12.5	11.4	10.5	12.7	14.8	13.5	16.1	15.4	13.6	10.3
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	14.5	12.2	17.5	17.4	18.6	14.2	13.7	15.6	17.8	12.0

Instrument Used: 1) Royal Enviro 3000, Model No: APM - 217BL & Gaseous Pollutants Sampler Model No: GAS-100, PM 2.5 Sampler AFS 127

Calibration Done On: 15/06/2020

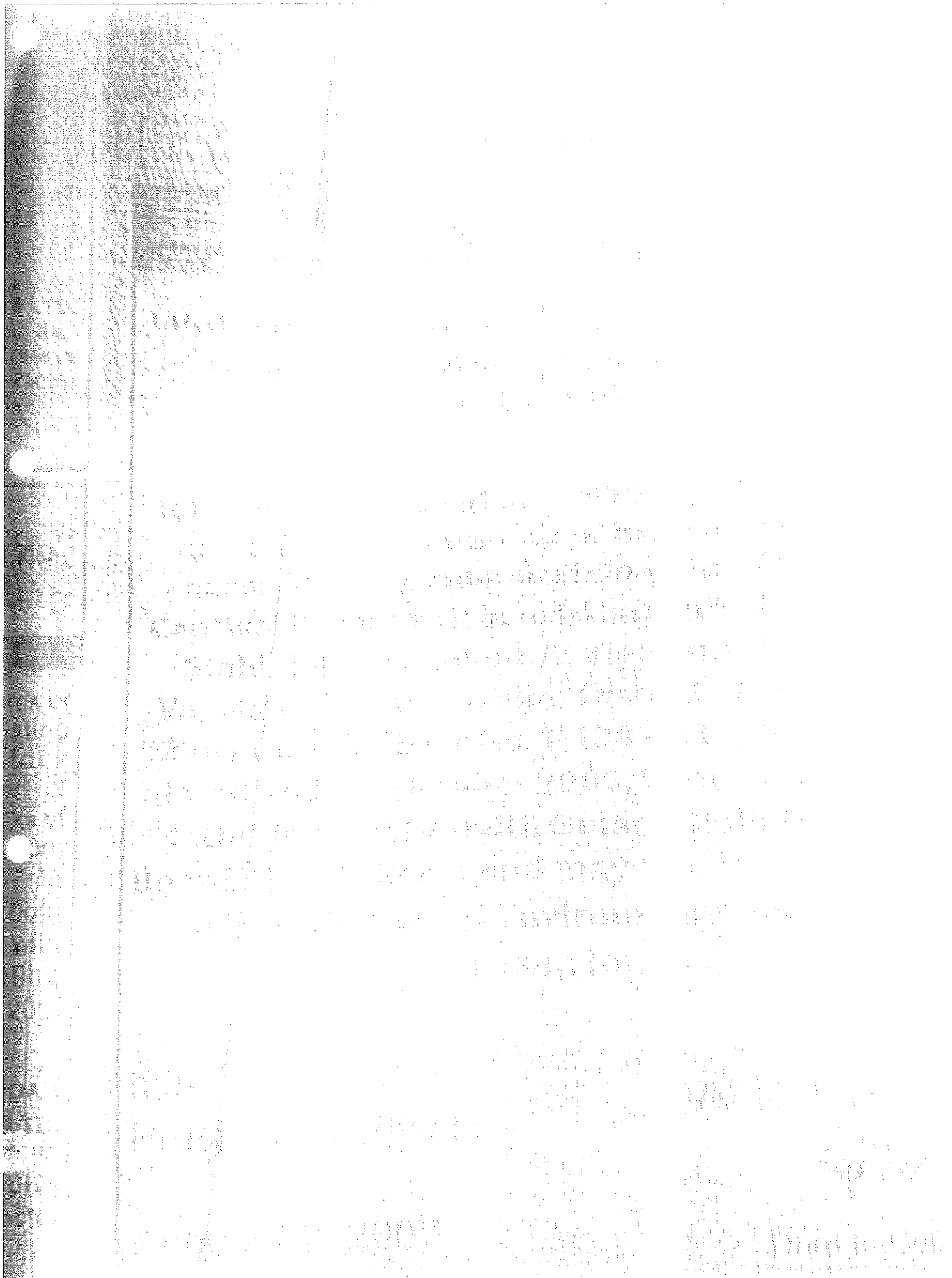
Royal Environment Auditing & Consultancy Service, Rajkot

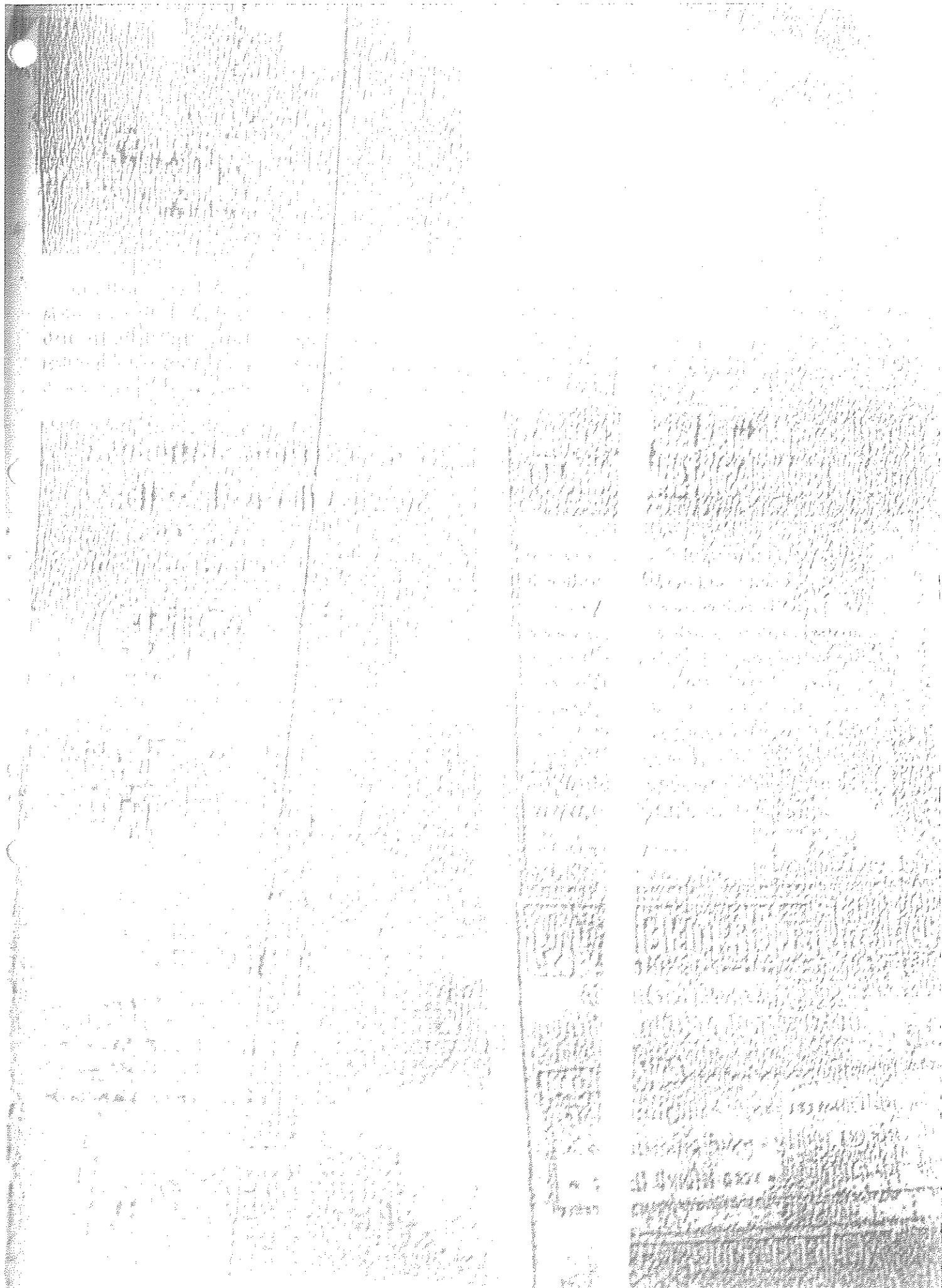


Ashish
Analyst

ANNEXURE-06

Copy of Advertisement in Local News Paper





ANNEXURE-07

LDO Storage approval



GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly known as Department of Explosives)
5th floor, A-block, CGO Complex, Seminary Hills,
Nagpur (M.S.) 440006

Only Approval (no Licence)
Fees : Rs. 500 :- Approval for permission
No. : A/P/HQ/GJ/15/4952 (P180026)

Email : explosives@explosives.gov.in

Phone/Fax No : 2510248/2510577

Dated : 23/6/2006

To
✓ M/s. Welspun Gujarat Stahl Rohren Ltd.,
Welspun City, Sy. No. 659,
Village Versamedi, Tal. Anjar,
Kutch,
KUTCH, Gujarat, Pin Code : 370110.

23 JUN 2006

Sub : Storage of Furnace Oil/L.D.O. (Petroleum Class 'C') .

Dear Sirs,

Please refer to your letter No. Nil dated 24/5/2006 .

Your intimation under Rule 140 of Petroleum Rules 2002 regarding storage of 25 KL of Furnace Oil/L.D.O. in your factory premises at Welspun City, Sy.No. 659, Village Versamedi, Tal. Anjar, KUTCH, Gujarat is noted and a copy of drawing bearing this office stamp is enclosed. Please note that you will have to take out a Licence if storage of Furnace Oil/L.D.O. exceeds 45 KL at any one time. This provisions of Chapter VI of Petroleum Rules, 2002 as applicable to your installation should be strictly observed.

Yours Faithfully,


(Ajai Nigam)

Joint Chief Controller of Explosives
for Chief Controller of Explosives

Copy together with a copy of the approved drawings is forwarded to :-

- 1). The Jt. Chief Controller of Explosives, West Circle, Mumbai .
- 2). The Dy. Chief Controller of Explosives, Baroda Sub Circle Office, Baroda .

for Chief Controller of Explosives

(For more information regarding status, fees and other details please visit our website <http://explosives.nic.in>)

C) Fly Ash Detail 2020-21

<u>Fly Ash Detail</u>				
Sr. No.	Month	Total Generation Fly Ash (MT)	Supplied to Other Industries (MT)	Used for Brick Manufacturing and Land Filling (MT)
1	April-21	0	0	0
2.	May-21	203	0	203
3.	June-21	262.75	0	262.75
4.	July-21	3363.49	0	3363.49
5	Aug-21	4077.23	0	4077.23
6	Sep-21	3007.96	0	3007.96
7				
8				
9				
10				
11				
12				
Total		10914.43	0	10914.43

Date: 22.12.2021

To,
The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector 10A,
Gandhinagar – 382010
Gujarat.

Sub: - Return for Bulk Consumers of Batteries (Period Apr'21 to Sept'21) PCB ID 36190

Ref : Batteries (Management & Handling) Amendment Rules, 2010

Dear Sir,

Please find Enclosed the Form – VIII (Return for Bulk Consumers of Batteries) duly filled-in, for the **Period Apr'21 to Sept'21**, as per the requirement of Batteries (Management & Handling) Amendment Rules, 2010.

Thanking you and assuring you our best attention all times.

Yours faithfully,

For, Welspun Corp Ltd (43 MW CPP).



Authorized Signature



Encl: Form – VIII

Copy to: Gujarat Pollution Control Board Regional office.
Room No 213 to 215
Kandla Port Trust
Gandhidham – Kutch. 370201.

FORM – VIII

[See rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMERS OF BATTERIES

[To be submitted by the bulk consumer to the Sate Board by 30th June (for the period October-March) and 31st December (for the period April-September) every year]

1.	Name and address of the bulk consumer	Welspun Corp Ltd (43 MW Cpp). Village : Versamedi Taluka : Anjar (Kutch) Gujarat – 370110
	Name of the Authorized person and full address with telephone and fax number	Mr. Rajendrasinh Jadeja Welspun Corp Ltd (43 MW Cpp). PCB ID : 36190 Village : Versamedi, Taluka : Anjar (Kutch) Gujarat – 370110 Tele : +91-2836-661721 Fax : +91-2836-279050
3.	Number of new batteries of different categories purchased from the manufacturer / importer / dealer or any other agency during Period April-21 to Sept-21 Category : (i) Automotive a) four wheeler b) two wheeler (ii) Industrial a) UPS b) Motive Power c) Stand-by (iii)Others	(i) Automotive : Nil (ii) Industrial : Nil (iii) Nil
4.	Number or used batteries of categories mentioned in Sl. No. 3 and Tonnage of scrap sent to manufacturer / dealer / importer / registered recycler / or any other agency to whom the used batteries scrap was sent	Nos. of Used Batteries : 00 unit, Total Wt : 00 kg Sent to: - NIL

Place: Anjar – Kutch.

Signature of the Authorized Person

Date: 22.12.2021

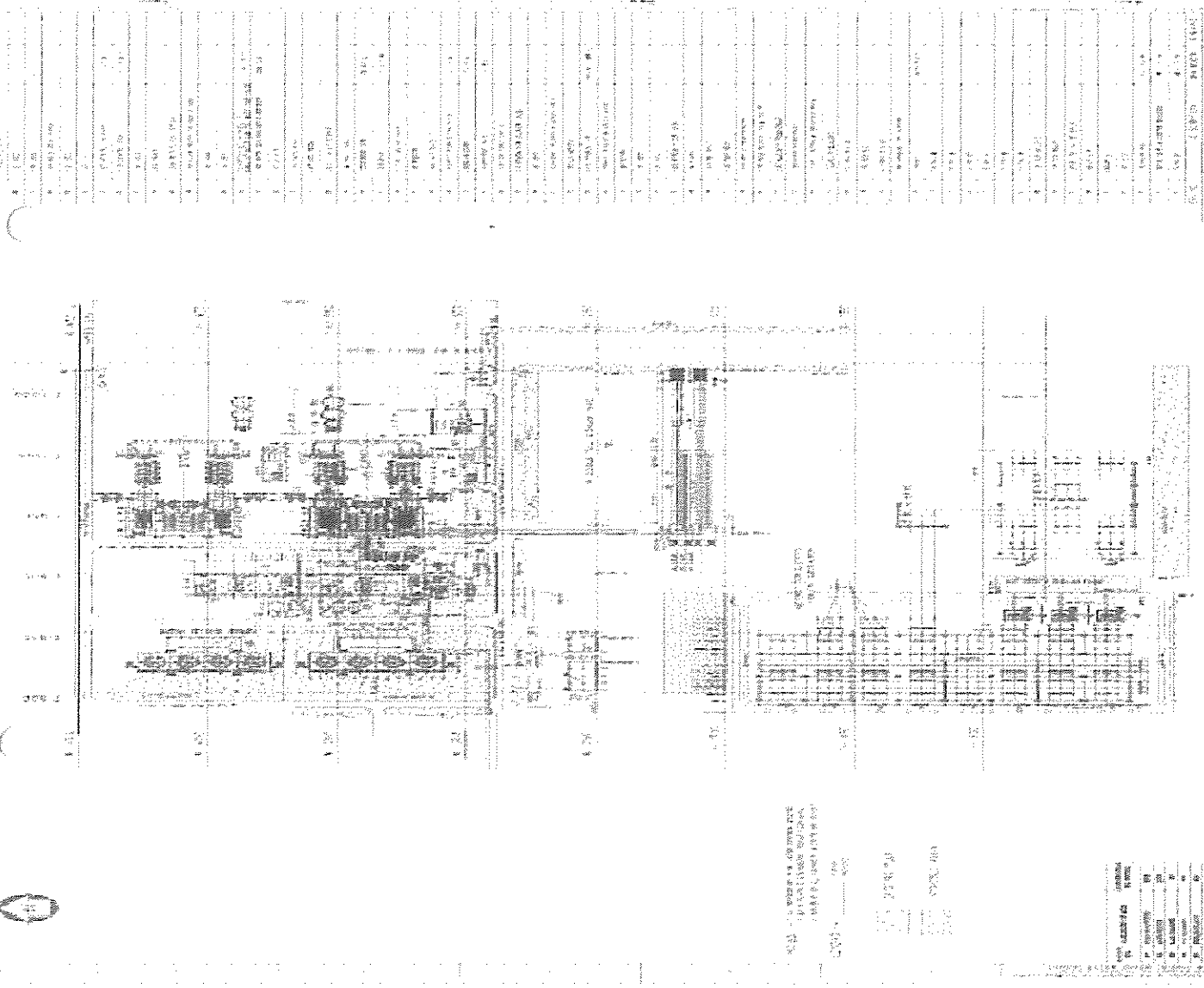



(Rajendrasinh Jadeja)


Ahmad
Tamsir

ANNEXURE-09

Layout of Plant with Green Belt



ARCHITECTURAL DRAWING
 SHEET NO. 1
 PROJECT NO. 12345
 DRAWN BY: J. D. SMITH
 CHECKED BY: M. A. JONES
 DATE: 10/27/55