

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- BO/CAC-Cell/EIC No:-NG-11869-14/CAC/ 1075

Date- 30/01/2015

To,
M/s. Sunflag Iron & Steel Co.Ltd.
Village Eklari (Warthi),
Tal. Mohadi, Dist.Bhandara.

Subject: Renewal of Consent with increase in capital investment under RED category.

Ref : 1. Earlier Consent granted vide no. BO/CAC-Cell/EIC No. NG-112006-14/CAC/9442 dtd 13.10.2014.
2. Your application is approved in CAC meeting held on 21.01.2015.

Your application: CR1411000130

Dated: 27.10.2014.

For: Renewal of Consent to operate with increase in capital investment under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period from 01.01.2015 to 31.05.2017.
2. The actual capital investment of the industry is Rs.1307.17 Crs. (Existing C.I.- Rs. 1286.65 Cr + Increased C.I.- Rs. 20.52 Cr as per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1	Direct reduced iron (captive)	2,80,000	MT/A
2	Pickling of stainless steel & carbon steel (intermediate)	66,000	MT/A
3	Coin Blanks from Rolled Steel Products (finished)	9,600	MT/A
4	Hot Metal from Blast Furnace (captive)	2,50,000	MT/A
5	Sinters (Captive & intermediate products)	2,50,000	MT/A
6	Continuous Cast Billets (Intermediates)	5,25,000	MT/A
7	Rolled Steel Products (finished)	5,00,004	MT/A
8	Oxygen/Nitrogen/Argon (Captive Consumption)	45,000	MT/A
9	Additional Facilities as Rolling Mill, Bell & Annealing Furnaces etc.	5.0	Nos./A
10	Electricity (captive)	30	MW
11	Refining in Stainless Steel Convertor (intermediate)	2,88,000	MT/A
12	Coiling of Steel Bars (intermediate)	18,000	MT/A
13	Oxygen (captive)	1200	Nm3/Hrs
14	DRI Ash/Char (By products)	15,000	MT/A

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	2414	As per Schedule -I	100% recycle in the process
2.	Domestic effluent	168	As per Schedule -I	100% recycle for flushing, fire fighting Cooling etc.

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler, furnace	19	As per Schedule -II
2.	Process vents	18	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity	UOM	Treatment & Disposal
1	Flu ash (CPP)	26,784	Ton/A	Brick/Manufacture/Landfill
2	Bed Ash (CPP)	22,320	Ton/A	Landfill
3	Dusts from Bag filters (DRP and SMS)	37,620	Ton/A	Reuse
4	DRP Sludge (DRP)	252	Ton/A	Reuse as fuel
5	Mill Scale (Rolling Mill)	9,480	Ton/A	Reuse
6	EAF & SS Refining Converter Slag (SMS)	1,00,200	Ton/A	Landfill
7	Iron/Steel Scrap Rejected Billets (SMS)	24,864	Ton/A	Recycle
8	Grinder Waste (Rolling Mill)	240	Ton/A	Recycle
9	Coal Rejected (Stone & Shells) (Coal washery)	21,600	Ton/A	Landfill
10	Granulated MBF Slag	75,000	Ton/A	Reuse / By sale
11	Granulated MBF GCP	6,168	Ton/A	Reuse
12	Coke fines (MBF)	8,004	Ton/A	Reuse
13	Iron Ore Fines (DRI & MBF)	18,336	Ton/A	Reuse
14	Dusts (ETP & WTP)	180	Ton/ A	Reuse
15	Hot Returned Ore (Sinter Plant)	75,000	Ton/A	Reuse
16	Removed Dust (Sinter Plant)	20,112	Ton/A	Reuse

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used/Spent Oil	5.1	5.63	MT/A	---	By Sale to Authorized Re-processor

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
2	Acid Residue/Spent Bath Sludge/Chemical sludge from waste water treatment	12.1, 12.2 & 34.3	288.0	MT/A	---	CHWTSDF Butibori

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Industry shall submit the design details of ETP & STP including F/M ratio, MLSS, organic loading and surface loading rate in TAC format by 28.02.2015.
11. Industry shall carryout performance audit of APC equipment from renowned institute like IIT and NEERI as per TAC recommendation within 03 months i.e. upto 30.04.2015.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1.	Rs. 9,00,000/-	016770	22.10.2014	Bank of India
2.	Rs. 9,00,000/-	016771	22.10.2014	Bank of India
3.	Rs. 9,00,000/-	016772	22.10.2014	Bank of India
4.	Rs. 6,30,957/-	016773	22.10.2014	Bank of India
5.	Board has balance consent fee of Rs. 30,37,131/- as per consent no BO/CAC-Cell/EIC No. NG-112006- 14/CAC/9442 dtd. 13.10.2014.			
	Total fee paid by the industry (sr. no. 1 to 5) is Rs. 63,68,088/-			

Copy to:

1. Regional Officer -Nagpur - He is directed to forfeit the BG of Rs. 5/- lakhs out of 15/- lakhs obtained towards O&M of secondary emission control system so as to achieve consented standards and forfeit the BG of Rs. 5/- lakhs out of 20/- lakhs obtained towards O&M of ETP so as to achieve the consented standards and no effluent discharge outside factory premises.
2. Sub-Regional Officer-Bhandara, MPCB, They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

Schedule-I
Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 2414 CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (if any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5-9.0
02	Oil & Grease	10
03	BOD (3 days 27oC)	100
04	Total Dissolved Solids	2100
05	Suspended Solids	100
06	COD	250
07	Chloride	600
08	Sulphate	1000
09	Iron	5.0

The industrial effluent arising from various sections of power plant shall be given such treatment either collective or individually as the site condition permits that the final quality of effluent shall have following character standards:

I. Condenser Cooling Water

- | | | |
|----------------------------|---------------|--|
| 1) pH | Between | 6.5 to 8.5 |
| 2) Temperature | Not to exceed | 5 Degree C. Higher than the intake water Temp. |
| 3) Free Available Chlorine | Not to Exceed | 0.5 mg/l |

II. Boiler Blow Down

- | | | |
|-------------------|---------------|----------|
| 1) SS | Not to Exceed | 100 mg/l |
| 2) Oil and Grease | Not to Exceed | 20 mg/l |
| 3) Copper (Total) | Not to Exceed | 1.0 mg/l |
| 4) Iron (Total) | Not to Exceed | 1.0 mg/l |

III. Cooling Tower Blow Down

- | | | |
|----------------------------|---------------|----------|
| 1) Free Available Chlorine | Not to Exceed | 0.5 mg/l |
| 2) Zinc | Not to Exceed | 1.0 mg/l |
| 3) Chromium (Total) | Not to Exceed | 0.2 mg/l |
| 4) Phosphate | Not to Exceed | 5.0 mg/l |

IV. Ash Pond Effluent

- | | | |
|-------------------|---------------|------------|
| 1) pH | Between | 6.5 to 8.5 |
| 2) SS | Not to Exceed | 100 mg/l |
| 3) Oil and Grease | Not to Exceed | 10 mg/l |

C] The treated effluent shall be 100% recycled in the process to achieve zero discharge. In no case effluent shall find its way for gardening.

- 2) A] As per your consent application, you have provided the sewage treatment system with the design capacity of 240 CMD.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 50 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 30 | mg/l. |
| (3) | COD | Not to exceed | 100 | mg/l. |
- C] The treated domestic effluent shall be 100% recycled for flushing, fire fighting, cooling etc. There shall not be any discharge directly/indirectly outside the factory premises.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	11151
2.	Domestic purpose	652
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	Nil
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	197

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.



Schedule-II
Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1.	Reheating Furnace (ASM) S-1	---	30.50	FO/BF Gas	3.0 TPD	4.5	270
2.	Reheating Furnace (ASM) S-1A (newly installed)	---	30	FO/BF Gas	8.0 TPD	4.5	720
3.	FBC Boiler ESP (CPP) S-2	ESP	55	Coal, Coal Fines, DRI Ash, ESP Dust	410.0 TPD	0.5	4100
4.	Reheating Furnace (BSM) S-3	---	65	FO/BF Gas	32.4 TPD	4.5	2916
5.	APC System to LAF & LHF (SMS) S-4	Bag Filters	43	Electricity	--	--	--
6.	ESP to WHRSG Boiler for Kiln (DRP-1) S-5	--	55	Coal	725.0 TPD	0.5	7250
7.	DES-II DE dusting system of discharge Building (DRP-1) S-6	Bag Filters	32	---	---	---	---
8.	Wet scrubber for discharge cooler (DRP-1) S-7	Scrubber	28	---	---	---	---
9.	4.0 T/Hr. Oil fired Boiler for FO Storage tank heating S-8	---	30	Furnace Oil	1.75 TPD (6 hrs working)	4.5	157
10.	16.0 T/Hr Oil fired boiler (VD plant) S-9	---	55	Furnace Oil	6.7 TPD	4.5	600
11.	MBF Stove S-10	---	45	MBF Gas (Coak)	405 TPD	0.2	1620
12.	Annealing furnace S-11	---	16	Furnace Oil	1.44 TPD	4.5	129
13.	DES-I at coal crusher, raw	---	30	---	---	---	---

[Handwritten Signature]

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
	material handling -II (DRP) S-12						
14.	DES-III Raw material handling-I (SMS)	Bag Filters	25	----	---	---	---
15.	DES-IV Kiln charging cone (DRP)	Bag Filters	30	----	----	----	---
16.	DES-V Product handling (addl) at discharge Building (DRP)	Bag Filters	30	----	----	----	---
17.	CCM Steam exhaust	---	35	----	----	----	---
18.	0.5 T/Hr Mini Boiler (BBS section)	---	12	LDO	0.44 TPD	1.8	15.8
19.	Stainless steel refining converter (SMS)	Bag Filters	20.50	----	----	----	---
20.	Pickling line (coinage plant)	Scrubber	15	----	----	----	---
21.	centralized pickling plant	Scrubber	15	----	----	----	---
22.	MBF Boiler	---	30	MBF Gas (Coak)	135 TPD	0.2	540
23.	Head ESP (sinter plant)	ESP	50	Coak Breeze & Fines	68 TPD	0.2	272
24.	Tail ESP (sinter plant)	ESP	40	Coak Breeze & Fines	23 TPD	0.2	92
25.	Fuel crusher de-dusting system (sinter plant)	Bag Filters	15	----	----	----	---
26.	Flux crusher de-dusting system (sinter plant)	Bag Filters	15	----	----	----	---
27.	Flux screening quicklime Bunker top de dusting system (sinter plant)	Bag Filters	20	----	----	----	---

Handwritten signature

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
28.	ESP to new WHRSG of Kilo (DRP-2)	ESP	60	Coal	452 TPD	0.5	4520
29.	Coal Circuit (DRP-2)	Bag Filters	30	----	----	----	---
30.	Iron Ore Circuit (DRP-2)	Bag Filters	30	----	----	----	---
31.	Char Bin & DRI Blending (DRP-2)	Bag Filters	30	----	----	----	---
32.	Lumps & Fins Silo (DRP-2)	Bag Filters	30	----	----	----	---
33.	Producer Hopper (DRP-2)	Bag Filters	30	----	----	----	---
34.	Reheating Furnace -3	----	70	Furnace Oil	61 TPD	4.5	5490
35.	Bell Annealing Furnace - I	----	20	LDO/LPG	2.84 TPD	1.8	102
36.	Bell Annealing Furnace - II	----	20	LDO/LPG	1.0 TPD	1.8	36
37.	Bar Annealing Furnace-1& 2	----	32	Furnace Oil	1.44 TPD	4.5	130

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	100 mg/Nm ³ .
SO ₂ process	Not to exceed	50 ppm
HCL	Not to exceed	35 mg/Nm ³ .

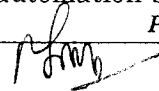
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6.
 - 1) All material handling stations shall be provided by centralized De-dusting systems.
 - 2) Raw Material handling and Preparation:-

- a. Unloading of coal by trucks or wagons should be carried out with proper care avoiding dropping of the materials from height. It is advisable to moist the material by sprinkling water while unloading.
- b. Crushing and screening operation should be carried out in enclosed area. Centralized de-dusting facility (collection hood and suction arrangements followed by de-ducting unit like bag- filter or ESP or equally effective method or wet scrubber and finally discharge of emission through a stack) should be provided to control Fugitive Particulate Matter Emissions. Particulate Matter emission level in the stack should not exceed 50 mg/Nm³. Water sprinkling arrangement should be provided at raw material heaps and on land around the crushing and screening units.
- c. Work area surrounding the plant shall be asphalted or concreted.
- d. Enclosure should be provided for belt conveyors and transfer points of belt conveyors.
- e. The above enclosures shall be rigid (and not of flexible/cloth type enclosures) and to be fitted with self-closing doors and close fitting entrances and exists. Where conveyors pass through the enclosures, flexible covers should be installed at entries and exit of the conveyors to the enclosures, minimizing the gaps around the conveyors.
- f. In wet system, provide water sprays/ sprinklers at following strategic location for dust suppression raw material transfer.
 - Belt conveyors discharge / transfer point
 - Crusher / screen discharge locations.
- 3) **Cooler Discharge and Product Separation Unit.**
Enclosure should be provided for belt conveyors and transfer points of belt conveyors. Dust extraction cum control system to be installed preferably bag filter or ESP or equally effective method to arrest product loss in Cooler Discharge and Product Separation area, the stack emission not be exceed 100 mg/Nm³.
(particulate Matter).
- 4) Extensive plantation/ Green belt shall be developed along the roads and boundary line of the industry.
- 5) Stack, effluent, fugitive emission, noise monitoring shall be done as per CPCB regulation and MPCB's consent conditions.
- 6) Pollution control system shall be operated as and integral part of production to ensure minimum emissions. Pollution Control System shall start before conveyor operation/ operation of plant. Similarly pollution control system shall be stopped only after completion of conveyor operation/operation of plant so that chances of settlement of dust in duct are avoided. Timely evacuation of dust (from Dust catchers, ESPs, Bag filter hopper etc.) shall be routinely organized.
- 7) Kiln of gas treatment with efficient de-dusting shall be provided Waste heat utilization for power generation should be followed.
 - Provisions of Gas conditioning Tower followed by Pollution Control system for small capacity Kiln (size 100 TPD and below).
 - Entrepreneur having more than 100 TPD kilns shall use WHPB for generation of power.
- 8) The safety cap/emergency stack of rotary kiln type plant, which is generally installed above the After Burner Chamber (ABC) of feed end column should not be used for discharging untreated emission, by passing the air pollution control device.

In the midst of a process, the auxiliary stack cap which is generally kept closed, is opened only when,

- There is process disturbance and
- Non functioning of kiln off gas system

The above activity is carried out by manual intervention from the operation control desk of the PLC/DCS based automation system. It is



recommend that stack cap to be kept open to minimum period of time and its opening must be recorded on a compulsory basis and reasons for opening must be logged and reported to MPCB. Further stack cap must be kept closed except.

- During startup, commissioning and bringing the kiln to stabilized operation.
- At the start of a fresh campaign.
- In case of extreme emergency enumerated above.

9) Interlocking facility should be provided to ensure stoppage of plant if the pollution control system is not in operation of safety cap of the rotary kiln is bypassing the emissions

A) Noise

B) Fugitive Emission Levels Standards

1.00 AM -- 10.00 PM

10.00 PM-6.00 AM

Noise level Leq 75 dB (9A)

Leq 70 dB (A)

C) Standards:

The applicant shall install de-dusting system at the following locations & monitor the fugitive emissions levels and submit report to the board monthly.

a) The existing industry shall comply with the standard of 2000 ug/m³

b) Fugitive emission shall be monitored at a distance 10 meters from the source of fugitive emissions as per following.

Sr. No.	Area	Monitoring Location
1.	Raw material handling area	Wagon tippler, Screen area, Transfer Points, Stock Bin area.
2.	Crusher area	Crushing plant, vibrating screen, transfer points.
3.	Raw material feed area	Feeder area, Mixing area, transfer points, days bins
4.	Cooler discharge area	Over size discharge area, Transfer points.
5.	Product processing area	Intermediate stock bin area. Vibrating screens, Magnetic Separation unit. Transfer Points, Over Size discharge area, Product separation area, Bagging area, hoppers/storage bins.

7. Other Conditions:

- 1) Continuous monitoring system shall be installed for monitoring Sulphur Dioxide & Suspended Particulate Matter and results submitted to the Board every fortnight. The results for continuous monitoring done on daily basis shall be submitted after every 15 days to Regional Officer, Nagpur with a copy to Member Secretary, Mumbai. In the event of difficulty in providing the continuous monitoring system, monitoring shall be done daily and results be submitted as stated above.
- 2) There shall not be any fugitive emissions.
- 3) The factory authorities shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants. The quarterly returns of the energy consumption shall be submitted to Board Office under intimation to respective Regional & sub-Regional Officer on each 10th of January, April, July & October.
- 4) The firm shall provided continuous flow meter for the measurement of flow of the effluent.
- 5) The firm shall carry out tree plantation along road side, around dumps or compulsory a forestation as per the proposal approved by Forests Department.

The tree plantation programme shall be taken up well in advance of the actual mining activity, so that green belt of sufficient width & height is developed between mining area /road and surrounding area.

- 6) The industry shall not cause any nuisance in surrounding area.
- 7) The industry shall monitor stack emissions & ambient air quality regularly.
- 8) Coal handling plant shall be provided with Dust Collector, complete dust extraction arrangement and Automatic Water Sprinkler with fog nozzles shall be provided where necessary for dust- suppression. Dust generation points / machinery shall be covered by hoods.
- 9) Dust collector of sufficient capacity provided to coal crusher, pulverizers & all sources of dust emission shall be operated properly.
- 10) Spraying of water on all working area, dump area, stock piles.
- 11) Coal shall be properly covered during transportation.
- 12) Black topper metalled roads shall be provided and well maintained to prevent dust formation.
- 13) Overloading of dumpers shall be avoided to prevent spillage.
- 14) Water of Water mixed chemical shall be sprayed at all strategic coal transfer points such as conveyors, loading unloading points etc. As far as practically possible conveyors, transfer points etc, shall be provide with enclosures



MS Pollution Control

**Schedule-III
Details of Bank Guarantees**

Forfeited BG history

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Amount of BG to be forfeited from BG imposed	Purpose of BG forfeiture
1	CtoR (To be forfeited)	Rs. 15 lakhs	Rs. 5 lakhs	As in the year 2014 out of 69 AAQM results, 12 results are exceeding the prescribed standards as per proposal submitted by RO, Nagpur
2	CtoR (To be forfeited)	Rs. 20 lakhs	Rs. 5 lakhs	As in the year 2014, 02 JVS results are exceeding the consented standards.

BG proposed

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	CtoR	Out of Rs. 15/- lakhs Rs. 5/- lakhs to be forfeited. Remaining 10/- lakhs to be extended & Rs. 10/- lakhs top-up to be obtained to make total BG of Rs. 20/- lakhs	15 days	Towards O&M of secondary emission control system so as to achieve consented standards	31.05.2017	30.09.2017
2	CtoR	Rs. 20/- lakhs	15 days	Towards O&M pollution Control System in DRI plant so as to achieve the consented standards	31.05.2017	30.09.2017
3	CtoR	Out of Rs. 20/- lakhs Rs. 5 lakhs to be forfeited. Remaining 15/- lakhs to be extended & Rs. 10/- lakhs top-up to be obtained to make total BG of Rs. 25/- lakhs	15 days	Towards O&M of ETP so as to achieve the consented standards and no effluent discharge outside factory premises.	31.05.2017	30.09.2017
4	CtoR	Rs. 1/- lakhs	15 days	Industry shall O&M the air pollution control System in an efficient way so as to achieve the prescribed standards. Industry shall also comply the consented conditions.	31.05.2017	30.09.2017

M/s. Sunflag Iron & Steel Co. Ltd, SRO Bhandara/IR/L/32391000

Page 12 of 16

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
5	CtoR	Rs. 2/- lakhs	15 days	Industry shall submit the design details of ETP & STP including F/M ratio, MLSS, organic loading and surface loading rate in TAC format.	28.02.2015	31.08.2015

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 8) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 17) Conditions for D.G. Set

- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20) The applicant shall maintain good housekeeping.
- 21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 28) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India.
- 29) Transportation of coal & fly ash shall be by closed system, Conveyor system wherever possible.
- 30) The applicant shall comply with the conditions stipulated in the Environmental Clearance.
- 31) The industry shall comply with the notification issued by MoEF for utilization of flyash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.

- 32) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India
- 33) Transportation of coal & fly ash shall be by closed system, Conveyor system wherever possible.
- 34) The applicant shall Operate online continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website <http://mpcb.gov.in> as well as to the respective Regional Office within 3 months period and operate the same regularly.
- 35) The applicant shall operate all continuous automatic ambient air and micrometeorological monitoring station at location indicated by State Board to be set up and operate at its own cost measure SO₂, NO_x and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring network of MPCB.

---0000---



Air Pollution Control Board