



CONSENT ORDER FOR ESTABLISHMENT

Order No. 405 /APPCB/CFE/RO-VJA/HO/2016

Dt: 16.12.2016.

Sub: PCB – CFE – **M/s. Rashtriya Ispat Nigam Ltd., Sy. 376, Jaggaiahpet Lime stone mines, Budawada (V), Jaggaiahpet (M), Krishna District** – Consent for Establishment for **expansion** of the Board under Sec.25 of Water (P&C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 – Issued – Reg.

- Ref:
1. EC Order dt. 30-03-2016 issued by MoE&F, Gol, New Delhi.
 2. CFE application received through Single Desk System on 18.11.2016.
 3. R.O's inspection report dt. 23.11.2016.
 4. Industry's Ir. dt. 02.12.2016.
 5. CFE Committee meeting held on 03.12.2016.

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **expansion** to produce the following with installed capacities as mentioned below, with a project cost of Rs. 3287.29 lakhs.

Sl. No.	Name of the Activity	Capacity as per CFO order dt. 19.03.2016	Capacity after expansion
1	Lime stone mining	1000 TPD (or) 30,000 TPM	7,80,000 TPA

2. As per the application, the above activity is to be carried out in the existing Jaggaiahpet Limestone mines at Sy.No.376, Budawada (V), Jaggaiahpet (M), Krishna District. The area is falling with 16°50' to 16°53' - North and 80°02' to 80°06' – East in a total area of 1295 Ha.
3. The above site was inspected by the Environmental Engineer & Asst. Environmental Engineer-I, Regional Office, Vijayawada A.P Pollution Control Board on 19.11.2016 and found that the site is surrounded by Budawada Reserved Forest.
4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFE Committee hereby issues **CONSENT FOR ESTABLISHMENT for expansion of Limestone mining activity** under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to activity as mentioned at para (1) only.**
5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
7. **This order is valid for period of 7 years from the date of issue.**

Encl: Schedule 'A'
Schedule 'B'

MEMBER SECRETARY

To

**M/s.Rashtriya Ispat Nigam Ltd.,
(Limestone Mining),
D. No. C-3, Street No. 1,
Jaggiahpet (V) & (M),
Krishna District.
vspjlm@yahoo.com, minesvspjlm@gmail.com**

Copy to: 1. The JCEE, Z.O., Vijayawada for information and necessary action.
2. The E.E., R.O, Vijayawada for information and necessary action.

SCHEDULE - A

1. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
2. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.

SCHEDULE - B

Water:

1. The source of water is Bore well and after development of the mine pit, the mine pit water for meeting the water requirement and the maximum permitted water consumption is 860 KLD.

Sl. No.	Purpose	Existing	After Expansion
a)	Dust suppression (mining & crusher), Washings etc	115 KLD	505 KLD
b)	Domestic	215 KLD	355 KLD
	Total	330 KLD	860 KLD

2. The maximum waste water generation shall not exceed the following:

Sl. No.	Source	Existing	After Expansion
a)	Vehicle wash	3 KLD	3 KLD
b)	Domestic	160 KLD	250 KLD
	Total	163 KLD	253 KLD

Treatment & Disposal:

Source of effluent	Treatment	Mode of final disposal
Trade effluents	----	Being used for dust suppression.
Domestic	STP consists of bar screen, primary settling tank, aeration tank, secondary clarifier, chlorination tank and final treated water collection tank.	The treated waste water is used for horticulture in the township.

3. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.
4. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.
5. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be provided. Sump capacity with adequate retention period to allow proper settling of silt material should also be provided. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

6. The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.
7. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a) Spraying in mine pits.
 - b) Domestic purposes.

Air:

8. The proponent shall comply with the following to control air pollution:

Sl. No	Details of Stack	Stack 1	Stack 2	Stack 3
a)	Attached to:	Lime stone crusher (Jaw Crusher)	Lime stone crusher (Cone Crusher)	Double deck vibrating screen
b)	Capacity	280 TPH	550 TPH	--
c)	Stack height above ground (m.)	25 m.	25 m.	25 m.
d)	Air Pollution Control Equipment:	Bag filters and Water sprinklers on the conveyors	Bag filters and Water sprinklers on the conveyors	Bag filters and Water sprinklers on the conveyors

9. The proponent shall comply with the following for controlling noise pollution:
 - Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
 - Surface drilling and blasting operations shall not be carried out at night.
 - The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
 - Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
 - Hydraulic rock breaker shall be used in lieu of secondary blasting.
 - Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits.
 - Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.
10. The conveyor belt shall be covered with sheets to mitigate fugitive emissions.
11. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, Gol vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
12. Ambient air quality monitoring stations shall be provided in core and buffer zone in down windward direction in consultation with concerned Regional Officer of APPCB for monitoring of PM_{2.5}, PM₁₀, SO₂, NO_x. The consolidated report of the same shall be submitted.
13. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB (A) during day time and 70 dB (A) during night time. The waste oil shall be used for lubrication in the earthmoving equipment.

Solid Waste:

14. The proponent shall comply with the following:

S. No	Source of solid waste	Quantity	Method of disposal
a)	Used Oil	4 KLPA	Authorized Re-processors / Recyclers

15. The following rules and regulations notified by the MoE&F, GoI shall be implemented.

- a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
- b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
- c) Fly Ash Notification, 2016.
- d) Batteries (Management & Handling) Rules, 2010.
- e) E-Waste (Management) Rules, 2016.
- f) Construction and Demolition waste Management Rules, 2016.

Other Conditions:

16. The proponent shall develop green belt of width 7.5 m all along the boundary of the mine lease area on OB dumps, along the roads etc., by planting the native species in consultation with the local DFO.
17. The industry shall complete construction of the dry fog system for suppression of dust from the Limestone crusher by January, 2018 as committed vide Ir. dt. 02.12.2016.
18. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
19. The proponent shall ensure that there shall not be any change in the process technology of mining operations and scope of working without prior approval from the Board.
20. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attracts action under the provisions of relevant pollution control Acts.
21. The Board reserves its right to modify above conditions or stipulate new / additional conditions and to take action including revoke of this order in the interest of environment protection.
22. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

MEMBER SECRETARY

To

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