



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE: VISAKHAPATNAM

B.Madhusudhana Rao, M.E., LL.B.,
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BY REGISTERED POST WITH ACKNOWLEDGMENT DUE

CONSENT & AUTHORIZATION ORDER

Consent Order No:9255-VZM/PCB/ZO-VSP/CFO/2015-

Date: .03.2015

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof) and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management Handling and Transboundary Movement) Rules, 2008.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and Authorization under the provisions of HW (M&H) Rules (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to

M/s. R. Suneetha Quartz Mine
(28.0 Ha.), R. Sy. No.1, Sarayavalasa (V),
Dattirajeru (M), Vizianagaram District

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant, to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Domestic	10.0 KLD	Septic tank followed by soak pit

ii) Emissions from chimneys:

Chimney No.	Description of Chimney after expansion	Quantity of Emissions at peak flow	Emission Standards
1	Attached to DG set of capacity - 350 KVA	----	SPM - 115 mg/Nm ³

iii) Hazardous Waste Authorization: (Form – II) [See Rule 5(4)]:

M/s. R. Suneetha Quartz Mine (28.0 Ha.), R. Sy. No.1, Sarayavalasa (V), Dattirajeru (M), Vizianagaram District is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as mentioned below:

Hazardous Waste with Disposal Option:

The authorization is granted to handle hazardous waste as specified below:

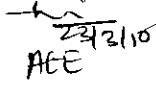
S. No.	Name and quantity of the Hazardous waste	Stream	Disposal option
1	Used Oil (240 LPA)	5.1 of Sch-I	Shall be sent to authorized agencies / dealers for Re-Processing / Re – Cycling.

This order is subject to the provisions of 'the Acts' and 'the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This consent is valid for manufacture the following products along with quantities only

S. No.	Product & By product	Total Capacity
1	Mining of Quartzite Along with Crushing	10,000 Tons/month

This combined consent order and hazardous waste authorization shall be valid for a period ending with the 31.01.2016.


ACE


B. J. RAO
JOINT CHIEF ENVIRONMENTAL ENGINEER

Encl: Schedules A, B & C

To
M/s. R. Suneetha Quartz Mine
(28.0 Ha.), R. Sy. No.1, Sarayavalasa (V),
Dattirajeru (M), Vizianagaram District
Email: rh_rao@yahoo.com

Copy submitted to the Member Secretary, APPCB, Board Office, Hyderabad for favour of kind information.

Copy to the CEE, APPCB, Board Office, Hyderabad for information.

Copy to JCEE(CFO), APPCB, Board Office, Hyderabad for information.

Copy to JCEE(CESS), APPCB, Board Office, Hyderabad for information.

Copy to the Environmental Engineer, APPCB, Regional Office, Vizianagaram for information and necessary action.

SCHEDULE – A

1. The applicant shall make applications for renewal of consent (under Water and Air Acts) and Authorization under HWM Rules **atleast 120 days before the date of expiry of this order**, along with prescribed fee under Water and Air Acts for obtaining consent of the Board **along with detailed compliance to the conditions stipulated in the CFO**.
2. The industry shall immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions etc.
 - a) All the fugitive emissions shall be controlled with proper measures.
 - b) The applicant shall also install the equipment such as wind speed recorder and wind direction recorder.
3. The applicant shall not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and shall not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
4. The applicant shall, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production shall be stopped.
5. Any up-set condition in any plant/plants of the industry, which result in, increased effluent discharge and/ or violation of standards stipulated in this order **or** the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur shall forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.
6. In case of such episodal discharges / emissions mentioned in item 6 above, the industry should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
7. A good house keeping shall be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.
 - a. The industry shall carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule – B of this order at regular intervals.
 - b. The industry shall maintain following records to accessible to the Board, whenever required.
 1. Analysis reports of waste water/ emissions.
 2. Log book for operation of pollution control systems.
 3. Inspection book
8. The applicant shall set up THREE Ambient Air Quality Monitoring Stations for continuous recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports.
9. Separate power connection with energy meter shall be provided for the Pollution Control Equipment and record of power consumption and chemicals consumption for the operation of pollution control equipment shall be maintained separately.
10. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & its amendments thereof.
11. The applicant shall comply with the directives/orders issued by the Board in this consent order and at all subsequent times without any negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/Act in case if non-

compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.

12. The applicant shall furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system/ air pollution control equipment and such other particulars as may be pertinent for preventing and controlling pollution.
13. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
14. All the rules & regulations notified by Ministry of Environment and Forests, Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes shall be followed.
15. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 shall be followed.
16. The occupier shall educate the workers and nearby public of possible accidents and remedial measures.
17. For any accident or spillage of hazardous wastes causing damage to the Environment, the occupier or the transporter as the case shall be held responsible.
18. In case of closure of industry, the un-used/not consumed raw materials falling under the category of Hazardous Chemicals and mentioned in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amendment Rules, 2003 shall be removed and sold to other units within 90 days from the date of closure to prevent any possibility of occurrence of an accident. In case the above hazardous chemicals have lost their properties originally acquired, then they shall be treated as Hazardous Waste and they should be disposed off only to the authorized agencies of APPCB in a safe manner.
19. The occupier shall prepare / update an emergency preparedness plan for safe handling of hazardous waste from time to time and submit the same to APPCB. Emergency preparedness plan must be implemented immediately whenever there is fire, explosion or release of hazardous waste or hazardous waste constituents, which could endanger to human health or environment.
20. Packaging, labeling and transportation of Hazardous Wastes shall be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labeling shall be based on the composition and hazardous constituent of the waste, however all Hazardous Waste containers should be provided with a general label.
21. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter shall carry a Transport Emergency (TREM) card (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator.
22. Containers / Container Liners of Hazardous Chemicals and Hazardous Wastes should be thoroughly detoxified before selling to agencies authorized by APPCB. Proper records, specific to each Hazardous Chemical / Hazardous Waste Containers / container Liners should be maintained in the following way:
 - i . Number of containers received.
 - ii . Date and method of detoxification.
 - iii . Name of agencies to whom containers were sold with quantities.
 - iv . Transportation particulars.
23. No Hazardous Wastes shall be mixed with any other waste or shall be discharged to a common, other internal, external sewerage or other drainage system without prior approval of APPCB.

24. If HDPE bags are used for storing Hazardous Wastes, it should be ensured that they are perfectly sealed mechanically or double hot sealed. If MS / HDPE bags or drums are used for Hazardous Wastes, these drums / bags should be ensured that they are perfectly sealed.
25. The person authorized shall not rent, lend, sell, transfer their industrial premises without obtaining prior permission of State Pollution Control Board.
26. Any Unauthorized change in personnel, equipment and working condition as mentioned in the application by the person authorized shall constitute a breach of this authorization.
27. The industry shall comply with the provisions of Batteries (Management and Handling) Rules, 2001.
28. The applicant shall put up two black boards of size 6 ft by 4 ft. at the main entrance to their plant. One board shall contain the specific CFE and CFO conditions, in sufficiently large font size so that it can be read easily from a distance of 10 ft to a normal eye, and other board shall carry, again in sufficiently large font size so as to be able to read from a distance of 10 ft, the latest Water, Air, Noise and solid waste monitoring data as well as the maximum vulnerable zone.
29. The applicant shall exhibit the Consent & HW Authorization order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
30. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves to it the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof **and** under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
31. The authorization issued under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, shall comply with the provision of the Environment (Protection) act, 1986.
32. 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 (herein after referred to as the Appellate Authority) constituted under Section 28 of the Water (prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE – B

1. **The industry shall submit the Water cess returns to the Board within 15 days.**
2. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below

SNo.	Purpose	Total Quantity
1	Dust suppression	20.0 KLD
2	Plantation	5.0 KLD
3	Domestic	10.0 KLD
Total:		35.0 KLD

3. The industry shall file the water Cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water Cess as per the assessment orders as and when issued by Board.
4. The industry shall comply with all the Rules and Regulations specified in Water (P&C of P) Act, 1974, Air (P&C of P) Act, 1981 and Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and their amendments issued thereof.

5. The industry should comply with the National ambient air quality standards as per MoEF, GoI notification dated. 18.11.2009 along the premises of the factory as prescribed below.

S. No.	Parameters	Standards in $\mu\text{g}/\text{m}^3$
1	Particulate Matter(PM_{10})	100
2	Particulate Matter ($\text{PM}_{2.5}$)	60
3	SO_2	80
4	NO_x	80

6. The industry shall not produce product other than those permitted in this order without obtaining CFE & CFO of the Board.
7. The industry shall not manufacture any extra products or extra capacities without obtaining CFE/CFO of the Board.
8. The industry shall provide cladding to the vibrating screen so as to arrest the dust emissions.
9. The industry shall cover the screen with M.S. Sheets and a fan connected with motor to extract the dust generated during screening operations, should be installed. Dust should be vented out into a chamber wherein water sprinklers shall be permitted for dust suppression.
10. The industry shall provide elevated closed bunker should be constructed for collection of dust and the dust conveyor should be fully covered with M.S. Sheets. The loading of dust should be directly done into the trucks, which should be brought below the bunker bins.
11. The industry shall provide temporary water sprinklers at the time of un-loading of the raw material from the truck / tipper.
12. The industry shall provide water sprinklers on the conveyor carrying raw materials from bunker/ bin to the crusher. The water should be sprayed in the form of mist with the help of a motor. The industry shall provide water meter with recording facility to record the water used for sprinkler system.
13. The industry shall construct wind breaking walls around the crusher to prevent dust spreading to the surrounding areas.
14. The industry shall construct BT road from quarry to stone crushing unit.
15. The industry shall construct metal roads within the premises.
16. The industry shall carryout regular cleaning and wetting of the ground within the premises.
17. The industry shall develop 5 mtrs. width of green belt along the boundary of the site in the 50 mtrs. width buffer zone of the stone-crushing unit. This green belt shall be developed on outer side of the buffer zone so as to act as a barrier.
18. The suspended particulate matter measured between 3mtrs and 10mtrs from any processes equipment of a stone crushing unit shall not exceed 600 micrograms/ m^3 .
19. The industry shall not cause any air pollution / dust nuisance to the surrounding environment.
20. The industry shall provide separate Air Pollution Control Equipment (APCE) i.e., cyclone dust collector followed by wet scrubber continuously and maintain records pertaining to the operation of the APC equipment and operation of the pulverizer.
21. The industry shall provide separate energy meter for the operation of the APCE and shall submit the monthly reading to Regional Office, Vizianagaram.
22. The industry shall provide sprinklers around the storage area and also raise the compound wall by 1.5 mts at stock yard area.
23. The industry shall store the raw material (quartz) in closed shed.
24. The industry shall carryout the process operations in a closed shed only.
25. The industry shall submit proposal for construction of STP as the quantity of domestic waste water is 10 KLD
26. The industry shall submit the wastewater analysis reports, stack & AAQ monitoring reports to the Board once in three months.

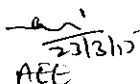
27. The industry shall dispose the waste lubricating oil stored onsite immediately to the agencies authorized by APPCB.
28. The industry shall develop 33% of the total area as thick green belt all along the boundary of the unit and also in the vacant places with all tall growing trees with wide leaf area.
29. The industry shall not cause dust / air pollution problems to the surrounding environment.
30. The industry shall submit Environmental Statement in Form V before 30th September every year as per Rule No.14 of Environmental (Protection) Act, 1986.
31. The industry shall take necessary measures to control fugitive emissions.
32. The industry shall take all precautionary and safety measures during process operations.
33. The industry shall comply with all the directions issued by the Board from time to time.
34. 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 attract action under the provisions of relevant pollution control Acts.
35. The Board reserves its right to modify above conditions or stipulate any further conditions in the interest of environment protection.

SCHEDULE - C

(See Rule 3(C) and 5 (5))

(Conditions of Authorization for occupier or operator handling hazardous wastes)

1. The industry shall file annual returns in Form-IV as per Rule 9(2) of the Hazardous Waste (Management & Handling) Rules, 1989 as amended to the Board.
2. Industry shall dispose / sell the hazardous wastes to only industries/ agencies authorized by State Pollution Control Boards. They shall verify the authorization of the Board given to the party before disposing their wastes to the external party
3. The industry shall take all practical steps to avoid any spillage of effluents, waste oil hazardous chemicals & hazardous wastes on land.
4. The industry shall store the hazardous waste on a raised platform under a shed till it is disposed.
5. The industry shall not store the hazardous waste in their premises for more than 90 days from the date of generation, as per the Hazardous Waste (Management & Handling) Rules, 2003 and its amendments thereof.
6. Industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.
7. The industry shall maintain the records of the Hazardous Waste in Form –III as per Rule 9 (1) of Hazardous Waste (Management & Handling) Rules, 1989 as amended, to the Board.
8. The Industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B and Schedule-C of this order half yearly basis to Board Office, Hyderabad and concerned Regional Office.


AEE


JOINT CHIEF ENVIRONMENTAL ENGINEER

To
M/s. R. Suneetha Quartz Mine
(28.0 Ha.), R. Sy. No.1, Sarayavalasa (V),
Dattirajeru (M), Vizianagaram District
Correspondence Address:
M/s. R. Suneetha Quartz Mine
Prop: Sri Hanumantha Rao,
D. No. 6-46/1, Sri Hanuman Residency,
G. Yendada, Gitam (P.O), Visakhapatnam-530045

