



Annexure-17

TSPL/ENV/PCB/ES/2014-15/109

Srikakulam,
28.09.2015

To
The Joint Chief Environment Engineer
AP Pollution Control Board
Paryavaran Bhavan, A3, IE
Sanathnagar
Hyderabad-38

Dear Sir,

Sub: Environmental Statement – Form-V - 2014-2015 – Reg.
Ref: APPCB/VSP/VZM/152/HO/CFO/2015-460 Dated 21.04.2015

As per the reference cited, please find herewith Environmental Statement in Form-V for the financial year 2014-15.

Thanking You

Yours faithfully

(Jose Mathew)

Vice President (Mines)

Cc:

The Environment Engineer,
AP Pollution Control Board
Regional Office, Plot no-11
1st floor, Shivaji Colony
Pradeep Nagar, Vizianagaram-535002



Trimex Sands Pvt Ltd: Vatchavalasa (V), Gara Mandal, Srikakulam District - 532 404, Andhra Pradesh, India.
Tel: +91 8942 283755, Fax: +91 8942 283758, email: info@trimexsands.com

Hyderabad Office: 2nd Floor, Sri Durga Towers, Plot No. 201, Road No. 10, Banjara Hills, Hyderabad - 500 034, Andhra Pradesh, India.
Tel: +91 40 2338 4380 / 3371 3600 Fax: +91 40 2338 4068

Reg. Office: Trimex Towers, No.1 Subbaraya Avenue, C.P.Ramaswamy Road, Alwarpet, Chennai - 600 018. Tamilnadu, India.
Tel: +91 44 2498 8822 / 8813 Fax: +91 44 2498 6047 **web: www.trimexsands.com**

CIN: U14299TN2004PTC071437

o/c

FORM - V
(See Rule 14)
Environmental Statement for the financial year ending with 31st March, 2015

PART - A

- (i) Name and Address of the Owner/ Occupier of the Industry Operation or process M/S TRIMEX SANDS PVT. LTD.
Vatsavalsa (V), Gara (M),
Srikakulam Dist - 532 404
- (ii) Industry category Primary 1360, 1533 & 1595
(SIC Code), Secondary -
(SIC Code)
- (iii) Production capacity -
(Permitted quantity as per CFO)

S.No	Product	Quantity (TPD)
1	Ilmenite	800
2	Sillimanite	400
3	Garnet	350
By Products		
4	Rutile	40
5	Zircon	40
6	Mineral Rich Tailings	170

- (iv) Year of establishment 2009 - 2010
- (v) Date of the last environmental statement submitted. 12.09.2014
(Vide lr no TSPL/ENV/PCB/2014-15/803)

PART - B

(i) Water consumption, m³/d :

Process :- 8545KLD
Cooling :- - NA -
Domestic :- 14.59 KLD

Name of Product	Process Water Consumption in m3 per unit of products	
	During the Previous Financial Year 2013-14	During the Current Financial Year 2014-15
	(1)	(2)
Ilmanite, Rutile, Garnet, Zircon, Sillimanite	7.28	9.36

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ii) Raw Material Consumption:

Name of Raw Material	Name of Products	Process Raw Materials in tons per unit of products	
		During the Previous Financial Year 2013-14	During the Current Financial Year 2014-15
Beach Sand	Ilmanite, Rutile, Garnet, Zircon, Sillimanite	5.47	5.81

* Industry may be use codes if disclosing details of raw material would violate contractual obligations, otherwise ass industries have to name the raw materials used.

PART C

Pollution discharged to environment / unit of output (Parameter as specified in the consent issued)			
Pollutants	Quantity of Pollutants Discharged (mass / day)	Concentration of Pollutants in discharges (mass/volume)	Percentage of Variation from prescribed Standards with Reasons
(a) Water :		There is no discharge from the industry. We set up a net work of 7 observation wells within and outside the mining lease area and weekly monitoring is being done and observed that all the parameters are under permissible limit.	NA
(b) Air		Monthly Ambient Air Quality monitoring is being carried out within and outside the mining lease area (surrounding villages). Stack Emission Details Annexure I	NA

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PART -- D

HAZARDOUS WASTES

(as specified under Hazardous Wastes/Management and handling Rules, 1989)

Hazardous Wastes (Waste Lubricant Oil)	Total Quantity (lit)	
	During the Previous Financial Year 2013-14	During the Current Financial Year 2014-15
(a) From Process	3290	1927
(b) From Pollution control facilities	NA	NA

PART – E

SOLID WASTES:-

SOLID WASTES (silica sand tailings)	Total Quantity (tons)	
	During the Previous Financial Year 2013-14	During the Current Financial Year 2014-15
(a) From Process	15,38,394	14,88,119
(b) From Pollution Control Facility	NA	NA
(c)(i) Quantity to be recycled or reutilized within the unit	1,18,100	1,14,689
(ii) Sold	NA	NA
(iii) Disposed	The above qty under (a) is backfilled at mined out area for reclamation and afforestation	The above qty under (a) is backfilled at mined out area for reclamation and afforestation

Expenditure on Pollution control measures and Conservation of Natural Resources

S.No	Description	During the Previous Financial Year 2013-2014 (in Rs.)	During the current Financial Year 2014-2015 (in Rs.)
1	Environmental Monitoring – Air, Water & Noise (outsourced).	1,00,000	1,69,000
2	Dust suppression on roads in factory	3,83,000	3,83,652
3	PPE cost for dust and sound (dust masks, ear muffs, etc.).	1,23,000	4,43,561
4	De dusting & Bag filter –addition of bag filter and maintenance.	42,67,000	14,42,000
5	Expenditure on refilling / pumping from PCP, leveling by dozer.	1,26,83,000	1,18,67,046
6	Slime management cost in mines.	-	1,50,55,875
7	Thickener Operation.	1,60,25,000	1,65,97,741
8	Afforestation, Nursery maintenance (Seeds, Saplings, Manure, Watering, Wages etc.)	24,00,000	18,42,000
	Total	3,59,81,000	4,78,00,875

PART – F

Please specify the characterizations (in terms of composition and quantum) of hazardous as solid wastes and indicate disposal practice adopted for both these categories of wastes

S.No	Name of HW / Solid Waste	Quantity	Type / Nature	Mode of Disposal
1	Waste Lubricant Oil	1927 liters (2014-15)	Inflammable	Stored in closed barrels in designated area and disposed by sale to the authorized agencies.
2	Silica Sand Tailings	14,88,119 tones (2014-15)	Non hazardous in nature	The same qty is back filled at mined out areas for reclamation and afforestation.
3	Waste Batteries	35	Hazardous in nature	Used Batteries is being disposed to the authorized agency on buyback basis.

PART – G

Impact of the pollution abatement measure taken on conservation of natural resources and on the cost of production.

AFFORESTATION & GREEN BELT DEVELOPMENT AT PCP, MSP & MINING AREA

- 1) Captive nursery has been established at Mines
- 2) The nursery is manned by qualified personal and 24 full time workers are engaged from adjacent villages for Plantation.
- 3) Apart from the full time workers neighboring villagers are also engaged for nursery and Afforestation works. Among them mostly ladies are given opportunity to work.
- 4) Plantation details for the year 2014-2015 as follows

Types of species	PCP & MSP	Mining Area
Casuarina	--	75,000
Acacia	--	1,620
Palm Seeds	--	35,000
Forest tree variety(Gulmohar,Badam,Neem,Kanuga)	2150	--
Total	2150	1,11,620

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Air Pollution Control Measures

- Inside the plant premises all roads are being sprinkled with water periodically to ensure that there is no dust generation due to plying of vehicles.
- All mined out areas are refilled and Afforested with Casuarinas, Acacia and Cashew. Plantation will be continued to stabilize the soil and eliminate dust generation. Plantation may also help in absorbing the salt content in the atmosphere and emissions from the plant.
- In order to reduce the dust load in the factory environment, slime content in the feed sand is removed by incorporating a thickener unit in the primary concentration plant. Slime along with tails being discharged in to the mined out area for refilling and the refilled area is being afforested.
- Environment monitoring is being conducted regularly by in-house team and MoEF/PCB recognized laboratories in the core zone and buffer zone.

PART – I

Any other particulars for improving the quality of the environment.

- Separate energy meter installed for pollution control Equipments and records are being maintained.
- Additional bag filter is installed to reduce the fugitive dust emission inside the Mineral Separation Plant.
- Nursery expansion to meet the needs of the green belt development.
- Recovery of full water from the tails pond by installing higher capacity pumps.
- Provided water treatment for process water recycling.

Place: Srikakulam

Signature: 

Date: 28-09-2015

Designation: *Vic President*
