



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड
MANGALORE REFINERY AND PETROCHEMICALS LIMITED

अनुसूची 'अ' के अंतर्गत भारत सरकार का उद्यम, SCHEDULE 'A' GOVT. OF INDIA ENTERPRISE.
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी, A SUBSIDIARY OF OIL AND NATURAL GAS CORPORATION LIMITED)
आई.एस.ओ. 9001, 14001 एवं 50001 प्रमाणित कंपनी, AN ISO 9001, 14001 AND 50001 CERTIFIED COMPANY.
सीआईएन/CIN : L23209KA1988GOI008959 / वेबसाइट Website : www.mrpl.co.in

L/MS/KSPCB/7552
June 27, 2024

The Environmental Officer
Karnataka State Pollution Control Board
Plot -10B Industrial Area, Baikampady,
Mangalore - 575 011

Dear Sir,

विषय Subject: Submission of HW Annual Returns (Form - 4) for MRPL Refinery for 2023-24

As per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the annual returns for FY 2023-2024 are required to be submitted on or before 30/06/2024. We hereby submit the same as per statutory requirement, please find the enclosed Annual returns Form-4 for MRPL Refinery for the period of 01/04/2023 to 31/03/2024.

धन्यवाद Thanking you,

Regards,

M.S. Sudarsan
29.6.24

M.S. Sudarsan
Chief General Manager (Health, Safety & Environment)

FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]

1. Name and address of facility:

Mangalore Refinery and Petrochemicals Ltd.

Kuthethoor P.O., Via Katipalla, Mangalore, India - 575 030

2. Authorisation No. and Date of issue:

335348, 04/01/2023

3. Name of the authorised person and full address with telephone, fax number and e-mail:

M.S.Sudarsan

CGM (HSE)

Mangalore Refinery and Petrochemicals Ltd,

Kuthethoor P.O., Via Katipalla, Mangalore 575 030

Phone: 0824-2883950

E-mail: sudarshanms@mrpl.co.in

4. Production during the year (product wise), wherever applicable

Sl. No.	Name Of The Product	Quantity (MT)
1.	LPG	1027834
2.	Naphtha	1051256
3.	Motor Spirit	2265789
4.	Kerosene	49232
5.	ATF	2090892
6.	Diesel	6205322
7.	Fuel Oil	292357
8.	Bitumen	125522
9.	Sulphur	187072
10.	Mixed Xylene	5676
11.	Pet Coke	816412
12.	Polypropylene	389065
13.	VGO	271852

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Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise

Sr. No.	Waste Description	Waste Category	Quantity Generated (MT)
1	Crude tank bottom sludge	Sch.1 Sl.No.3.3	602.51
2	WWTP Oily sludge	Sch.1 Sl.No.4.1	4869.2
3	CCR unit Spent Platform Catalyst	Sch.1 Sl.No.4.2	37.347
4	PFCC spent catalyst	Sch.1 Sl.No.4.2	622.9
5	PFCC spent Arsine Bed catalyst	Sch.1 Sl.No.4.2	6.2
6	DHDT spent catalyst	Sch.1 Sl.No.4.2	393.69
7	HGU Spent Hydrogen Shift Converter catalyst	Sch.1 Sl.No.4.2	18.16
8	Hydrogen unit Spent ZnO catalyst	Sch.1 Sl.No.4.2	2.6
9	HGU Spent Zinc Oxide Catalyst	Sch.1 Sl.No.4.2	100
10	HCU spent catalyst	Sch.1 Sl.No.4.2	399.5
11	HGU Spent steam pre-reforming catalyst	Sch.1 Sl.No.4.2	16.18
12	MX unit Spent Clay	Sch.1 Sl.No.4.5	49.68
13	PPU Treated Waste white oil	Sch.1 Sl.No.5.2	18.14
14	Discarded containers	Sch.1 Sl.No.33.1	292.39
15	Spent activated carbon	B2 (Schedule II)	238.33
16	Spent solvent (lean amine)	Sch.1 Sl. No. 20.2	264.94
17	Mixed Spent Catalyst (Ceramic balls)	Sch.1 Sl.No.4.2	65.33
18	Used cation anion resin	Sch.1 Sl.No.4.5	88.93
19	Used Oil	Sch.1 Sl.No.4.5	11.63

2. Quantity dispatched

(i) To disposal facility

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Sr. No.	Waste Description	Category	Disposal facility	Method of handling	Quantity Disposed (MT)
1	Spent Solvent (Lean Amine)	Sch.1, Sl.No.20.2	Re sustainability Limited	Incineration	264.94

(ii) To recycler or co-processors or pre-processor

Sr. No.	Waste Description	Category	Recycler/Reuser/ Coprocessor	Method of handling	Quantity Disposed (MT)
1	Molecular Sieves	Sch.1 Sl.No.1.6	M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	1.85
2	Crude tank bottom sludge	Sch.1 Sl.No.3.3	M/s Jonas Petro Products Pvt Ltd Mangalore	Recycled	602.51
3	WWTP Oily sludge	Sch.1 Sl.No.4.1	M/s. Dalmia Cement (Bharat) Limited	Co-processed in Cement Kiln	56.07
			M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	2391.9
4	CCR unit Spent Platform Catalyst	Sch.1 Sl.No.4.2	M/s Hindustan Platinum Pvt Ltd, Pawne MIDC	Recycled	37.347
5	PFCC spent catalyst	Sch.1 Sl.No.4.2	M/s. ACC limited, Wadi	Co-processed in Cement Kiln	208.89
			M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	448.34
6	PFCC spent arsine bed catalyst		M/s Rajkob Industries, Mumbai	Recycled	6.2
7	CHT spent catalyst	Sch.1 Sl.No.4.2	M/s Arham Industries, Rajasthan	Recycled	5
8	DHDT spent catalyst	Sch.1 Sl.No.4.2	M/s Vyankatesh Metal	Recycled	393.69

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9	HCU spent catalyst	Sch.1 Sl.No.4.2	M/s Rubamin Limited, Gujarat	Recycled	312.1
			M/s Arham Industries, Rajasthan	Recycled	14.01
			M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	102.32
10	HGU Spent Hydrogen Shift Converter catalyst	Sch.1 Sl.No.4.2	M/s Rubamin Limited, Gujarat	Recycled	18.16
11	Hydrogen unit Spent ZnO catalyst	Sch.1 Sl.No.4.2	M/s Rubamin Limited, Gujarat	Recycled	2.6
12	HGU Spent Zinc Oxide Catalyst	Sch.1 Sl.No.4.2	M/s Rubamin Limited, Gujarat	Recycled	100
13	HGU Spent steam pre- reforming catalyst	Sch.1 Sl.No.4.2	M/s. Refracast Metallurgicals Pvt Ltd., Raipur	Recycled	16.18
14	MX unit Spent Clay	Sch.1 Sl.No.4.5	M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	49.68
15	PPU Treated Waste white oil	Sch.1 Sl.No.5.2	M/s Jonas Petro Products Pvt Ltd Mangalor	Recycled	27.25
16	Spent Activated Carbon	B2 (Schedule II)	Sri. Mahalakshmi Fertichem and chemicals, Manipal	Recycled	208.33
17	Mixed Spent Catalyst (Ceramic balls)	Sch.1 Sl.No.4.2	M/s. ACC limited, Wadi	Co-processed in Cement Kiln	65.33
18	Used Cation Anion Resin	Sch.1 Sl.No.35.3	M/s Shree Cement Limited, Gulbarga	Co-processed in Cement Kiln	88.93
19	Discarded Containers	Sch.1 Sl.No.33.1	Falcon Impex Corporation	Recycled	122.81
			M/s Rishiyanth Incorp, Kolar	Recycled	14.77
			Karnataka Traders	Recycled	124.81

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(iii) Others

Nil

3. Quantity utilised in-house, if any –

Sr. No.	Waste Description	Method of Handling	Quantity Utilized
1	WWTP Oily Sludge	Reprocessed in the Delayed Coker Unit	3336.3 MT
2	Used/Spent Oil	Mixed with Crude Oil and reprocessed	11.63 MT

4. Quantity in storage at the end of the year –

Sr. No.	Waste Description	Stock (MT)
1	WWTP Oily sludge	6288.23
2	Spent Activated Carbon	30
3	PFCC spent catalyst	126.37
4	Discarded Containers	30

Date...29.6.24.....

Place...Mangalore.....

RD

M S Sudarshan
Signature of the Occupier or
for Operator of the disposal facility