

**MAHARASHTRA POLLUTION CONTROL BOARD**

**NON-INDUSTRIAL SOURCES OF HAZARDOUS WASTE  
(ESTIMATES BASED ON INFORMATION AVAILABLE ON RECORD)**

Sector	Agency /Body	Source of Waste	Waste Generated						Source Of Information
			Description of Waste	Category No.		Qty of HW (MTPA)			
				Sch.I	Sch.II	SLF	RCL	INC	
Transportation	Brihan Mumbai Electric Supply & Transport (BEST)	Fleet Size : 3391 + 351 i.e 3742 vehicles Depots : 24 Workshop : 1	Waste cutting oil	5.2	-	10.5(+)	-	-	Information submitted by BEST Corporation Summary <b>Annex- I</b>
			Used Lube Oil	5.1	-	-	250	-	
			Oil Contaminated Filters	3.3	-	-	-	11.25	
			Contaminated Cotton Rags	35.1	-	-	-	43.1	
			Used Lead Acid Batteries	*	-	-	5145 Nos	-	
			Contaminated Solvents	20.1	-	-	4	-	
	Maharashtra State Road Transport Corporation (MSRTC)	Fleet Size = 52,000 Vehicles Depots / Workshops Spread Over in the State	Waste cutting oil	5.2	-	161	-	-	Estimated Based on Fleet Size
			Used Lube Oil	5.1	-	-	5000	-	
			Oil Contaminated Filters	3.3	-	-	-	37.5	
			Contaminated Cotton Rags	35.1	-	-	-	661	
			Used Lead Acid Batteries	*	-	-	20,000 nos	-	
			Contaminated Solvents	20.1	-	-	61.5	-	
	Other Municipal Corporations (Nasik/TMC/ Navi Mumbai Corporation/ Nagpur/ Aurangabad/ Pune/Pimpri Chinchwad etc.)	Estimated Fleet Size = 7500 vehicles Depots/Workshops in respective city	Used Lube Oil	5.1	-	-	500	-	Estimated Based on Fleet Size
			Waste Cutting Oil	5.2	-	21	-	-	
			Oil Contaminated Filters	3.3	-	-	-	20	
			Contaminated Cotton Rags	35.1	-	-	-	85.5	
			Used Lead Acid Batteries	-	-	-	7500 Nos	-	
			Contaminated Solvents	20.1	-	-	8	-	

	<b>Private Vehicles:</b>	Estimated Servicing Capability:	Used Oil	5.1	-	-	13555	-	Fleet Size from Maharashtra Govt. Statistics of Privately Owned Vehicles <b>(Annex. II-A)</b> No. of service stations - Data Collected from Automobile/ Petroleum Companies <b>(Annex. II-B)</b> Emission factors by collecting information from Service Stations/Garages <b>(Annex. II-C)</b> Estimated Waste Generation Figures for yearly & Biannual Oil change / Maintenance <b>(Annex. II-D)</b>
	2 wheelers : 40,47,156	Automobile Company	Waste Oil	5.2	-	-	298.06	-	
	3 wheelers : 4,49,771	Authorized Stations 149 (+)	Contaminated Rags	35.1	-	-	-	850	
	4 wheelers : 7,02,974 (Cars)	Petroleum Company	Used Batteries	-	-	-	(?)	-	
	4 wheelers : 5,29,635 (Jeeps/Tractors)	Authorized stations 163 (+)	Waste Grease	(?)	-	-	3363.2	-	
Heavy Vehicles 3,83,987	Pvt. Service stations 500 (+) Garages/Repair shops etc. (Very Large Nos.)								
Railways	Locomotives for Movement, of Passengers/Goods. Workshops & Servicing Facilities all over the state	Terminals/ Carsheds/ Workshops Throughout the state	Used Lube Oil	5.1	-	-	2000	-	Used oil Recyclers
	Ordinance Factories	Vehicles / Material Handling Equipment etc	Used Oil	5.1	-	-	600	-	Used oil Recyclers
Defence	Navy	Vehicles / Material Handling Equipment	Used Oil	5.1	-	-	500	-	Used oil Recyclers
Mines	Western Coal Field Ltd. (WCL)	Material Handling / Earth Moving Equipment	Used Oil	5.1	-	-	1000	-	Used oil Recyclers
	Other Mines	Material Handling / Earth Moving Equipment	Used Oil	5.1	-	-	500	-	Used oil Recyclers

Port	Jawaharlal Nehru Port Trust ( JNPT)	Material Handling Equipment / Bilge oil from Ships etc.	Ballast water Containing	3.4	-	-	15000(+)	-	Used oil Recyclers	
			Oily Sludge	3.1	-	-	5000	-		
Port	Mumbai Port Trust	Material Handling Equipment / Bilge oil from Ships etc.	Ballast water Containing Oil	3.4	-	-	5000(+)	-	Used oil Recyclers	
			Oily Sludge	3.1	-	-	1500	-		
Oil Exploration	Oil And Natural Gas Commission ( ONGC )	Drill Cutting containing oil / Sludge Containing Oils	Drill Cuttings Containing Oil	2.1	-	-	500	-	Used oil Recyclers	
			Sludge Cutting Oil	2.2	-	-		-		
			Drilling Mud	2.3	-	-		-		
Power Distribution & Transmission	BEST	Transformers : 2671 Nos	Spent oil	5.1	-	-	250	-	BEST Data	
	MSEB	Transformer :	Spent oil	5.1	-	-	1000	-	Used oil Recyclers	
	BSES / Reliance Energy	Transformer :	Spent oil	5.1	-	-	400	-	Used oil Recyclers	
	Tata Thermal	Transformer :	Spent oil	5.1	-	-	100	-	Used oil Recyclers	
Other Sector	Air India Jet Airways Indain Airlines Sahara Airways IAAI etc.	Material Handling Equipment For Cargo Handling / Passenger Movement Automobiles Etc	Used Oil	5.1	-	-	30	-	Provided by company	
			Used Oil	5.1	-	-	11	-		
			Used Oil	5.1	-	-	50	-		
			Used Oil	5.1	-	-	5	-		
			Used Oil	5.1	-	-	15	-		
	CETP's	Sludge generated During Effluent Treatment	CETP Sludge	34.4	-	28764	-	-	Annex.- III	
Docks	Mazgaon Dock Ltd.	Ship Building / Ship Repair Activities	Used Oil	5.1	-	-	15	-	Information given by Company	
			Contaminated Rags	35.1	-	-	-	5		
			Used Lead Acid Batteries	*	-	-	50 Nos	-		
	Naval Docks	Ship Building / Ship Repair Activities	Ballast water Containing oil	3.4	-	-	500 (+)	-	Information given by Naval Dock	
			Metal Finishing Sludge	12.8	-	0.76	-	-		
			Zinc Ash	6.2	-	0.5	-	-		
			Paint Sludge	21.1/21.2	-	-	-	5		
			Incinerator Ash	36.2	-	1	-	-		
	Oily Sludge	3.1/5.1	-	-	50	-				
				<b>Total</b>			<b>28958.8</b>	<b>56665.7</b>	<b>1718.4</b>	<b>87342.8</b>



