

Annexure II- D
ESTIMATED WASTE OIL/GREASE GENERATION FROM PRIVATELY OWNED VEHICLES

Vehicles	Type of HW	HW Generation (KL)		
		MAINTENANCE /OIL CHANGE FREQUENCY		
		Once/year	Once/2year	Once/3year
Two Wheelers	Engine oil	4047.15	2023.57	1349.052
Three Wheelers	Engine oil	449.77	224.88	149.92
Four wheeler (Cars, Taxies etc)	Engine oil	3514.87	1757.43	1171.62
	Gear oil	1405.94	702.974	468.649
	Gear oil(diff)	1405.94	702.974	468.649
	Brake oil	175.743	87.871	58.5811
Four wheelers (Jeeps, Tractor etc.)	Engine oil	2648.17	1324.08	882.75
	Gear oil	1059.27	529.63	353.09
	Gear oil(diff)	1059.27	529.63	353.09
	Brake oil	132.408	66.2	44.13
	Grease	2118.54	1059.27	706.18
Heavy Vehicles (Bus, Trucks, Tractor etc)	Engine oil	6143.79	3071.89	2047.93
	Gear oil	2687.909	1343.95	895.96
	Gear oil (diff)	2687.909	1343.95	895.96
	Brake oil	287.99	143.99	95.99
	Grease	4607.84	2303.92	1535.94
Grand Total		34432.509	17216.209	0

Note : Computations done by Multiplying vehicle statistics (Annexure-IIA) by Emission Factors given in Annexure -IIC

Assuming Oil change over frequency of once /2 year

Total Waste Generation = 17216.2

Description	Waste category	Quantity of Hw (MTPA)		
		SLF	RCL	INC
used oil	5.1	--	13555	--
waste oil (Brake oil)	5.2	--	298.06	--
waste Grease	(?)	--	3363.2	--
		Total	17216.26	