

Honda Cars India Limited
SPL-1, Tapukara Industrial Area
Khushkhera, Distt. - ALWAR
RAJASTHAN 301707

Email : corporate@hondacarindia.com
Tel. : 01493-522000, Fax : 01493-522006
Mobile : 9116630293, 9116630289

Date: 20-Sep-24

To,

Sr. Environmental Engineer (Metal)
Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongri
Jaipur (Rajasthan)

Sub: Submission of Environment Statement Report for the FY 2023-24

Ref: CTO license no. for consents issued to HCIL – TKR :
File No: F(HDF)/Alwar(Tijara)/6986(1)/2022-2023/6339-6341.
Order no: 2022-2023/HDF/9241
Unit Id: 3097

Dear Sir,

We are submitting you the Environment Statement for the FY 2023-24 in Form-V based on existing consent as mentioned above.

This is for your kind information & records.

Thanking You,
Yours faithfully,

For **Honda Cars India Ltd**



Authorized Signatory

Cc: The Regional Officer, Rajasthan Pollution Control Board, 8/43-44, N.E.B.,
Housing Board Alwar, Dist.-Alwar (Rajasthan)

Enclosures: Environment Statement Form V

FORM -V

ENVIRONMENT STATEMENT REPORT

From:

1-Apr-23 to 31-Mar-24

---- Submitted By ----

M/s Honda Cars India Ltd.

SPL-1, Tapukara Industrial Area, Khuskhera,

Dist. - Alwar (Rajasthan)

**ENVIRONMENT STATEMENT
FORM –V**

(See Rule 14)

Environment Statement for the financial year ending the 31st March 2024

PART –A

- (i) Name and address of the owner/
Occupier of the industry operation
or process. : Mr. Udit Kumar
Honda Cars India Ltd
SPL-1, Tapukara Industrial Area
Khushkhera, Dist. –Alwar (Raj.)
- (ii) Industry category : Red (Large)
- (iii) Production Capacity : As given in below table-

Particular	Type	Quantity with Unit
Cylinder Sleeve	Product	5,50,256
Assembled Passenger Car	Product	1,80,000
Crank Shaft Forging	Product	11,30,160
Crank Shaft Grinding	Product	8,16,000
Con Rod Grinding	Product	8,16,000
Engine Assembly	Product	2,39,360
Engine Block	Product	3,26,200
Engine Head	Product	3,26,200
Mission Assembly	Product	5,44,000
Press Shop (Body Parts Sheet Metal Components)	Product	3,90,000
Bumper (Plastic Molded) & Other Product	Product	7,99,680

:

- (i) Year of establishment : Sept – 2008
- (ii) Date of the last environmental statement submitted: **29-Sep-2023**

PART - B

Water and Raw Material Consumption

(i) Water consumption m³/day

Process	KLD	576
Cooling	KLD	610
Domestic	KLD	248
Total	KLD	1434

Name of product	Process water consumption per unit of product output	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
Passenger Car	2330.70 Liter/Car	2390.95 Liter/Car

(ii) Raw Material Consumption

Name of raw materials	Name of products	UOM	Consumption of raw material per unit of output	
			During the current financial year (2022-23)	During the current financial year (2023-24)
Sheet Metal Blanks	Passenger Car	Kg/Car Set	178.11	179.96
Iron Forging			15.92	15.49
Aluminum Ingot			36.43	34.74
Cylinder sleeve			4.95	5.01

Note: The consumption of raw material as per car is calculated based on total production of car sets in 272 working days as per our CTO.

PART - C
Pollution discharged to environment / Unit of output
(Parameters as specified in the consent issued)

For WATER

(a) ETP Outlet Water

Month	pH	TSS	COD	BOD	Oil & Grease	Copper	Total Cr	Iron	Ni	Fluoride	Zinc
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
RPCB Std	5.5 - 9.0	100	250	30	10	3	2	3	3	2	5
Apr-23	7.04	12.4	48	10.7	5.1	0.76	BDL	1.15	0.27	BDL	0.84
May-23	7.21	11.3	24	4.8	5.3	0.64	BDL	1.24	0.19	BDL	0.95
Jun-23	7.39	7.8	36	8.6	5.6	0.53	BDL	1.29	0.19	BDL	0.67
Jul-23	7.48	7	64	15.1	5.4	0.86	BDL	1.08	0.28	BDL	0.73
Aug-23	7.5	6.8	56	12.7	5.1	0.69	BDL	1.23	0.40	BDL	1.19
Sep-23	7.17	12.3	140	28.8	5.3	0.87	BDL	2.19	0.65	BDL	1
Oct-23	8.24	5.2	24	6.5	5.1	0.98	BDL	2.84	0.81	BDL	1.27
Nov-23	7.51	12.6	40	8.5	6.1	1.08	BDL	2.12	0.84	BDL	1.63
Dec-23	7.75	27	168	27	8.5	1.05	BDL	2.95	1.19	BDL	1.89
Jan-24	7.18	4.9	32	6.8	5.9	0.83	BDL	2.17	0.59	BDL	1.08
Feb-24	7.22	5.8	156	20.3	7.8	1.34	0.10	1.84	0.98	BDL	1.46
Mar-24	7.68	9.2	88	16.5	6.8	1.23	BDL	2.09	0.89	BDL	1.46

BDL: Below Detectable Limit

(b) WWTP Outlet Water

Month	pH	TSS	COD	BOD	O&G	Cu	Total Cr	Fe	Ni	Fluoride	Zn
		<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>
RPCB Std.	5.5-9	100	250	30	10	3	2	3	3	2	5
Apr-23	7.42	10.4	56	12.1	4.4	0.84	BDL	0.93	0.39	BDL	0.65
May-23	7.38	6.1	72	14.6	4.5	0.69	BDL	0.19	0.29	BDL	0.51
Jun-23	7.76	20.6	24	5.3	4.1	0.56	BDL	0.84	0.28	BDL	0.67
Jul-23	7.27	5.8	40	9.6	4.3	0.67	BDL	0.64	0.36	BDL	0.88
Aug-23	7.26	4.5	32	7.3	4	0.80	BDL	1.19	0.63	BDL	0.73
Sep-23	7.21	9.3	56	12.5	4.5	0.63	BDL	1.03	0.26	BDL	0.49
Oct-23	7.28	3.9	40	10.3	4	0.54	BDL	0.94	0.36	BDL	0.42
Nov-23	7.68	12.8	32	8.3	4.8	0.69	BDL	1.80	0.27	BDL	0.53
Dec-23	7.28	7.6	52	11.8	4.3	0.79	BDL	0.87	0.26	BDL	0.51
Jan-24	7.18	5.8	40	8.6	4.6	0.64	BDL	1.03	0.35	BDL	0.43
Feb-24	7.36	6.3	20	5.3	3.9	0.98	BDL	1.29	0.57	BDL	0.65
Mar-24	7.46	20.4	64	13.8	5.3	0.87	BDL	0.93	0.16	BDL	0.41

BDL: Below Detectable Limit

(c) STP Outlet Water

Month	pH	TSS	COD	BOD	O&G	NO ₃	A. Nitrogen		
		<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>	<i>mg/l</i>		
RPCB Std.	5.5- 9.0	100	250	30	10	10	50		
Apr-23	7.43	15.6	60	15.2	5.8	4.12	15.1		
May-23	7.59	12.4	20	5.1	4.2	5.6	2.9		
Jun-23	8.26	8.6	124	26.9	4	3.68	0.92		
Jul-23	7.84	6.3	76	16.5	4.3	4.10	1.5		
Aug-23	7.15	5.4	104.2	21.7	4.3	4.86	1.8		
Sep-23	7.05	10.6	128	26.4	4.8	5.12	3		
Oct-23	7.99	4.6	76	16.8	4.3	4.84	7.2		
Nov-23	7.72	10.6	60	10.8	5.1	6.12	10.3		
Dec-23	7.75	9.8	80	17.6	4.6	5.12	19.6		
Jan-24	7.28	6.5	96	19.5	5.1	8.17	17.3		
Feb-24	7.13	10.6	84	12.9	5.9	5.8	10.3		
Mar-24	7.43	19.5	72	12.6	5	5.91	12.1		

BDL: Below Detectable Limit

For AIR Quality

For Process Stack Monitoring

(a) Stack attached to DG sets

Source of sample:				Frequency : Once in a Month		
DG Set (3085 KVA) 1 nos Stack no. 1 DG Sets (1500 KVA) 2 nos Stack no. 2 & 3 DG Set (2000 KVA) 2 nos Stack no. 4 & 5 DG Sets (1500 KVA) 1 nos Stack no. 6						
Month	Stack number	Sulphur Content %	NOx ppmv	NMHC mg/nm ³	CO mg/nm ³	Particulate Matter mg/nm ³
RPCB Standards →		<2	710	100	150	75
Apr-23	Stack no.1	Not in Operation				
	Stack no.2	ND	90.7	16.6	42.9	44.4
	Stack no.3	ND	87.5	17.2	44.6	45.4
	Stack no.4	ND	88.4	16.6	49.2	41.2
	Stack no.5	ND	92.6	17.6	47.5	44
	Stack no.6	ND	91.4	17.1	47	42.3
May-23	Stack no.1	Not in Operation				
	Stack no.2	ND	87.10	14.80	38.86	44.8
	Stack no.3	ND	84.4	15.30	44.35	42.88
	Stack no.4	ND	93.41	18.10	52.40	45.07
	Stack no.5	ND	94.80	17.88	54.46	45.30
	Stack no.6	ND	84.70	16.84	48	39.40
Jun-23	Stack no.1	Not in Operation				
	Stack no.2	ND	86.8	15.10	40.4	44.5
	Stack no.3	ND	82.4	16.40	44.3	42.9
	Stack no.4	ND	90.5	17.8	52.10	44.6
	Stack no.5	ND	88.4	17.5	50.20	45.8
	Stack no.6	ND	85	15.20	49	41.2
Jul-23	Stack no.1	Not in Operation				
	Stack no.2	ND	84.1	14.50	42.6	39.2
	Stack no.3	ND	85.7	15.10	44	42.6
	Stack no.4	ND	92.4	18.40	49.2	47.5
	Stack no.5	ND	94.2	18.10	51	49.1

	Stack no.6	ND	86.4	16.10	38.5	43.10
Aug-23	Stack no.1	Not in Operation				
	Stack no.2	ND	86.20	14.2	39.4	44.1
	Stack no.3	ND	85.10	16.1	42.5	42.5
	Stack no.4	ND	94.5	17.5	55.1	47
	Stack no.5	ND	93	18.4	54.6	47.5
	Stack no.6	ND	84.2	15.6	40.1	43
Sep-23	Stack no.1	Not in Operation				
	Stack no.2	ND	86.40	14	44.10	38.40
	Stack no.3	ND	86.10	15.6	45.60	44.10
	Stack no.4	ND	91.30	17.6	48.20	46.40
	Stack no.5	ND	92.10	18.6	50.40	48.20
	Stack no.6	ND	85.20	15.4	39.30	44.10
Oct-23	Stack no.1	Not in Operation				
	Stack no.2	ND	85.40	15.20	42.60	39.20
	Stack no.3	ND	84.30	15.70	46.35	43.10
	Stack no.4	ND	86.10	18.30	47.50	45.50
	Stack no.5	ND	91.20	19.40	48.10	47.30
	Stack no.6	ND	82.20	16.40	40.10	40.30
	Stack no.7	ND	84.20	17.40	40.10	41.30
	Stack no.8	ND	86.30	14.60	41.50	42.10
Nov-23	Stack no.1	Not in Operation				
	Stack no.2	ND	84.1	16.20	44.1	38.5
	Stack no.3	ND	85.4	15.40	45.5	42.1
	Stack no.4	ND	87	19	50.1	45.2
	Stack no.5	ND	90.2	18.50	49.2	46.1
	Stack no.6	ND	89.2	16.50	43.2	43.1
	Stack no.7	ND	85.2	17.50	45.2	44.1
	Stack no.8	ND	81.2	15.50	42.6	39
Dec-23	Stack no.1	Not in Operation				
	Stack no.2	ND	81.4	17	42	36.4
	Stack no.3	ND	82.6	15.20	44.5	39
	Stack no.4	ND	88	19.4	49.4	44.1
	Stack no.5	ND	87.9	18.9	48.1	42
	Stack no.6	ND	89.9	17.4	45.1	43

	Stack no.7	ND	92.9	16.9	47.1	38
	Stack no.8	ND	90.5	15.4	43.4	38.4
Jan-24	Stack no.1	Not in Operation				
	Stack no.2	ND	79.5	16.4	41.4	34.5
	Stack no.3	ND	81.4	16.9	42.5	36.7
	Stack no.4	ND	89.5	18.8	48.4	42.1
	Stack no.5	ND	84.2	17.9	46.7	41.7
	Stack no.6	ND	89.4	18.0	45.5	44.2
	Stack no.7	ND	90.1	18.1	44.2	45
	Stack no.8	Not in Operation				
Feb-24	Stack no.1	Not in Operation				
	Stack no.2	ND	78.6	17.1	40.2	35.4
	Stack no.3	ND	82.4	17.9	41.5	36.1
	Stack no.4	ND	87.5	19	49	41
	Stack no.5	ND	85.1	18.4	47.2	44
	Stack no.6	ND	89.6	19	49.5	45.1
	Stack no.7	ND	86.4	18.6	45.1	44.9
	Stack no.8	Not in Operation				
Mar-24	Stack no.1	Not in Operation				
	Stack no.2	ND	80.4	17.5	41.2	36.1
	Stack no.3	ND	79.1	18.1	40.5	35.4
	Stack no.4	ND	88.1	19.4	48.4	44.5
	Stack no.5	ND	88.2	19	48.4	44.5
	Stack no.6	ND	87	18.9	49.1	42.8
	Stack no.7	ND	85	18.7	45.6	44.2
	Stack no.8	Not in Operation				

ND* - Not detectable

(b) Stack attached to Casting Process

Month	Stack Detail	SPM
		Mg/NM ³
RPCB Standards →		150
Apr -23	LPDC Stack	14.5
	HPDC Stack-I	16.4
	HPDC Stack-II	17.2
	SPC Stack	16.9

May-23	HPDC Stack-I	17.3
	LPDC Stack	15.3
	HPDC Stack-II	16.8
	SPC Stack	18.7
Jun-23	LPDC Stack	14.7
	HPDC Stack-I	15.9
	HPDC Stack-II	17
	SPC Stack	18.2
Jul-23	LPDC Stack	16
	HPDC Stack-I	18.1
	HPDC Stack-II	17.5
	SPC Stack	19
Aug-23	LPDC Stack	15.6
	HPDC Stack-I	17
	HPDC Stack-II	16.9
	SPC Stack	18.4
Sep-23	LPDC Stack	16.2
	HPDC Stack-I	18.9
	HPDC Stack-II	17.2
	SPC Stack	18.4
Oct-23	LPDC Stack	NIO
	HPDC Stack-I	19.2
	HPDC Stack-II	18.5
	SPC Stack	17.4
Nov-23	LPDC Stack	NIO
	HPDC Stack-I	21.4
	HPDC Stack-II	19.8
	SPC Stack	17.1
Dec-23	LPDC Stack	NIO
	HPDC Stack-I	22.1
	HPDC Stack-II	20.4
	SPC Stack	17.9
Jan-24	LPDC Stack	NIO
	HPDC Stack-I	22.6
	HPDC Stack-II	21.5
	SPC Stack	18.4
Feb-24	LPDC Stack	NIO
	HPDC Stack-I	23.1
	HPDC Stack-II	22.4
	SPC Stack	19.1
Mar-24	LPDC Stack	NIO
	HPDC Stack-I	22.6

HPDC Stack-II	23.5
SPC Stack	20.4

NIO* - Not in Operation

(c) Noise Monitoring

Source of sample :			
East: East of Press Shop, North: North side of WTP, South: South of PT Shop, West: West of PT Shop			
Month	Location	Noise Level	
		Day Time (dB)	Night Time (dB)
Standards →		75	70
April -23	East: East of Test Track	69.5	58.3
	North: North side of ETB	71.4	62.5
	South: South of Admin Building	65.8	54.1
	West: West of Forging Shop	66.9	61.3
July'23	East: East of Test Track	67.1	53.5
	North: North side of ETB	66.2	56.9
	South: South of Admin Building	58.1	50.7
	West: West of Forging Shop	65.4	56
Oct-23	East: East of Test Track	68.1	57.5
	North: North side of ETB	70.2	61.9
	South: South of Admin Building	64	57.3
	West: West of Forging Shop	65.8	60.4
Jan-24	East: East of Test Track	60.6	54.8
	North: North side of ETB	61.8	57.8
	South: South of Admin Building	61.5	57.8
	West: West of Forging Shop	62	56.9

PART -D**HAZARDOUS WASTE**

as specified under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
(a) From process		
Category 5.1- Used Oil/Spent Oil	111,000 Liters	72,690 Liters
Category 5.2- waste & Residue Containing Oil	185,000 Kg	144,480 Kg
Category 12.5 – Phosphate Sludge	75,000 Kg	36,000 Kg
Category 21.2 – Spent Solvent	65,000 Liters	64,000 Kg
Category 21.1 – Process Waste residues	162,000 Kg	242,000 Kg
Category 33.1 - Empty Barrels	47481 Nos	50634 Nos
Category 11.4 – Flue gas dust & other particulars	32,000 Kg	33,000 Kg
(b) From pollution control facilities		
Category 35.3 – ETP,WWTP Sludge	567,000 Kg	553,000 Kg

PART - E**SOLID WASTE**

		Total Quantity	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
(a)	From process	16842.454	20232.747
(b)	From pollution control facility	Nil	Nil
(c)	(1) Qnty recycled or re-utilized within the unit	Nil	Nil
	(2) Sold to recycler (tons)	16572.094	19942.487
	(3) Disposed (Mix Malwa & Garbage in tons)	270.360	290.260

PART - F

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

Category 5.1 Used Oil	-	Stored in Steel drums and sent for recycling to the authorized recycler.
Category 5.2 Waste & Residue containing oil	-	Oil soaked cotton waste is stored in HDPE bags and sent for the registered recycler for co processing in the kiln.. Grinding Sludge stored in HDPE bags and sent for Co-Processing.
Category 12.5 Phosphate Sludge	-	Phosphate Sludge is stored in container and sent for Co-processing
Category 21.2 Spent Solvent	-	Spent Solvent collected in mild steel drums and sent for recycling to the authorized recycler.
Category 21.1 Paint Sludge	-	Paint sludge is sent to the registered recycler for co processing in the kiln.
Category 33.1 Empty Barrels	-	All the oil and paint contaminated empty barrels are sent to Registered Recycler for recycling.
Category 35.3 ETP Sludge	-	Stored in HDPE Bags and sent for Co-Processing
Category 11.4 Flue gas dust & other particulars	-	Stored in HDPE Bags and sent for Co-Processing

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of Production:

1. Establishment of Treatment Plant for the utilization of CETP water. Capacity 300 KL – Investment INR 467 Million.
2. Installation of 3.7 MW solar power plant inside plant premises to increase the renewal energy resource consumption.
3. PM Emission through installation of Dust Collector and Bag filters on Casting Stack. (Investment 50 Million).
4. Rainwater Harvesting facility having recharge Capacity of 1.234 MCM.

PART - H

Additional measures / investment proposal for environment protection including abatement of pollution prevention of pollution:

1. CO2 Emission reduction by **378 Tons / Year** by different activities like, Automation of lighting system, automation of cooling tower cooling system off during lunch time, replacement of AC by energy efficient and eco friendly, efficiency optimization of processes, Tube light conversion to LED, Air washer shut down on intervals etc.
2. Water Consumption Reduction by **14554 KL/ Year** through Aerators installation in Toilets hand Wash Taps, automation of water pumps to off during break hours, Water saving through minimising water losses in fire network by replacing old underground fire line header with new above ground header.
3. Waste generation reduction by **716 Tons/ Year** through different activities like - AL Gates remelting in LPDC area – LPDC, Reusing of One Way Cases for reduction of Steel scrap & purchasing of corrugated carton jumbo boxes, 1 One Way KD case reduction/Lot from HATC through One way case convert into RT Case from HATC in City LHD etc.

PART - I

Any other particular for improving the quality of the environment

1. Food Waste Reduction by Periodic Awareness Drive in all Canteens for Reduction in Plate Food Wastage from 24 to 23 Gms./ Person
2. To recue air pollution by Installation of RECD kit in MAN DG Exhaust stack from 100 Mg/Nm³ to 50 Mg/Nm³