RO Receiving

HONDA

Honda Cars India Limited
SPL-1, Tapukara Industrial Area
Khushkhera, Distt. - ALWAR
RAJASTHAN 301707
E-mail : corporate@hondacarindia.com
Tel. : 01493-522000, Fax : 01493-522006

Date: 30-Jun-17

To,

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

Sub: Submission of Environment Statement Report for the FY 2016-17

Ref: CTO license no. for the all existing consents issued to HCIL - TKR

For Press, Phase I and PT step II	: 2014 – 2015/ MUID/ 2753
For Car Assembly line (2L project)	: 2014 – 2015/ MUID/ 2917
For Diesel Project Plant	: 2013 - 2014/ MUID/ 2578
For Spin Die Casting	: 2014 – 2015/ MUID/ 2792
For Press Expansion Plant	: 2015 – 2016/ CPM/ 3369

Dear Sir,

We are submitting you the Environment Statement for the FY 2016-17 in Form-V based on all the existing consents as mentioned above.

This is for your kind information & records.

Thanking You,

Yours faithfully,

For **Honda Cars India Ltd**

Rajasthan State Pollution Control Board
Dt. Rec
Rec. 13/7/17
Bhiwadi

(Sunil Kumar Yadav)
Vice President – General Affairs

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-16 to 31-Mar-17

---- 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 2017

PART –A

(i) Name and address of the owner/ Occupier of the industry operation or process. : Mr. Praveen Paranjape
Honda Cars India Ltd
SPL-1, Tapukara Industrial Area
Khushkhera, Dist. –Alwar (Raj.)

(ii) Industry category : Red (Large)

(iii) Production Capacity : 1,80000 Car sets /Annum

S. No.	Plant	Product	Quantity (Car Sets/Annum)
1	Press and Phase-I and PT Step-II	Clutch Case	136,000
		Engine Block	163,000
		Engine Head	163,000
		Mission Case	136,000
		Power Train Facilities (Crank Shaft & Con Rod Facility)	272,000
		Press Shop (Body Parts Sheet Metal Components)	170,000
2	Diesel	Clutch Case	136,000
		Engine Assembly	239,360
		Engine Block	163,200
		Engine Head	163,200
		Mission Assembly	272,000
		Mission Case	136,000
3	Car Assembly line (2L project)	Assembled Passenger Car	180,000
		Con Rod Grinding	272,000
		Crank Shaft Forging	1,130,160
		Crank Shaft Grinding	272,000
		Front Bumper	180,000
		Rear Bumper	180,000
4	Spin Die Casting	Cylinder sleeve	550,256
5	Press Expansion	Press shop (Body Parts sheet metal components)	220,000

(i) Year of establishment :

S. No.	Shop details	Date of Commissioning
1	Press Shop	Sept – 2008
2	Powertrain Facilities	May - 2009
3	PT Step -2 – Die casting	Aug - 2011
4	Machining & Assembly	Aug - 2011
5	Diesel Project	Mar – 2013
6	Car Assembly Line	Feb - 2014
7	SPC Project	Sept – 2014
8	Press Shop Expansion Project	Jan – 2014

(ii) Date of the last environmental statement submitted. : 28-Sep-2016

PART - B

Water and Raw Material Consumption

(i) Water consumption m^3/day

Process	KLD	580
Cooling	KLD	239
Domestic	KLD	429
Total	**KLD**	**1248**

Name of product	Process water consumption per unit of product output	
	During the previous financial year (2015-16)	During the current financial year (2016-17)
Passenger Car	1796.4 liter/ Car	1918.84 liter/ Car
Note: The production volume of Con rod grinding under Power train facility was higher in 2016-17 as compared to previous year 2015-16.		

(ii) Raw Material Consumption

Name of raw materials	Name of products	UOM	Consumption of raw material per unit of output	
			During the previous financial year (2015 - 16)	During the current financial year (2016-17)
Sheet Metal Blanks	Passenger Car	Kg/ Car Set	239.38	239.38
Iron Forging			18.25	18.25
Aluminum Ingot			115.15	115.15
Cylinder sleeve			3.2	3.2
Note: The consumption of raw material as per car is calculated based on production of 1,80,000 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 1 Outlet Water

Month	pH	TSS	COD	BOD	Oil & Grease	Copper	Total Chromium	Iron	Nickel	Dissolved Phosphate	Zinc
		mg/l	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
RPCB Standard	**5.5 - 9.0**	**100**	**250**	**30**	**10**	**3**	**2**	**3**	**3**	**5**	**5**
Apr-16	7.2	22	158	20	0.11	N.T	0.10	0.06	N.T	0.21	N.T
May-16	7.1	24	151	22	0.12	N.T	0.11	0.05	N.T	0.22	N.T
Jun-16	7.14	28	145	24	0.17	N.T	0.17	0.07	N.T	0.26	N.T
Jul-16	7.12	21	112	21	0.11	N.T	0.13	0.06	N.T	0.26	N.T
Aug-16	7.16	17	104	18.60	0.09	N.T	0.11	0.05	N.T	0.21	N.T
Sep-16	7.10	15	92	16.20	0.08	N.T	0.10	0.04	N.T	0.17	N.T
Oct-16	6.98	22	86	12.00	0.13	N.T	0.09	0.03	N.T	0.15	N.T
Nov-16	7.14	23	45	13.5	0.1	N.T	0.08	0.04	N.T	0.12	N.T
Dec-16	8.52	21	40	12.60	0.08	N.T	0.07	0.03	N.T	0.1	N.T
Jan-17	7.89	34	160	27.00	2.10	N.T	0.05	0.02	N.T	0.08	N.T
Feb-17	7.40	58	242	27.50	2.40	N.T	0.1	0.07	N.T	0.10	N.T
Mar-17	7.70	56	236	27.00	2.10	N.T	0.07	0.06	N.T	0.1	N.T

(b) ETP 2 Outlet Water

Month	pH	TSS	COD	BOD	Oil & Grease	Copper	Total Chromium	Iron	Nickel	Dissolved Phosphates	Zinc
		mg/l	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*	*mg/l*
RPCB Standard	**5.5-9.0**	**100**	**250**	**30**	**10**	**3**	**2**	**3**	**3**	**5**	**5**
Apr-16	7.4	18	120	12	0.01	N.T	0.30	0.04	N.T	1.23	1.14
May-16	7.2	19	123	11	0.90	N.T	0.20	0.06	N.T	1.21	1.12
Jun-16	7.3	23	128	12	0.7	N.T	0.3	0.1	N.T	1.2	1.1
Jul-16	7.2	19	104	10.5	0.6	N.T	0.2	0.1	N.T	1.0	0.9

Aug-16	7.1	14	96	9.3	0.5	N.T	0.2	0.1	N.T	0.9	0.8
Sep-16	7.2	12	82	8.7	0.4	N.T	0.1	0.1	N.T	0.8	0.7
Oct-16	7.13	20	80	8	0.11	N.T	0.10	0.04	N.T	0.70	0.60
Nov-16	7.87	21	64	18	0.03	N.T	0.09	0.03	N.T	0.60	0.70
Dec-16	8.75	18	144	15	0.02	N.T	0.1	0.02	N.T	0.5	0.60
Jan-17	8.42	21	96	24	1.00	N.T	0.1	0.07	N.T	N.T	N.T
Feb-17	7.30	36	92	23	0.90	N.T	0.1	0.06	N.T	N.T	N.T
Mar-17	7.80	22	138	28	4.80	N.T	0.05	0.05	N.T	N.T	N.T

(c) STP Outlet Water

Month	**pH**	**TSS**	**COD**	**BOD**	**Oil & Grease**	**Nitrate Nitrogen**
		mg/l	***mg/l***	***mg/l***	***mg/l***	***mg/l***
RPCB Standard	**5.5 - 9.0**	**100**	**250**	**30**	**10**	**5**
Apr-16	7.35	21	85	15	0.06	0.2
May-16	7.28	22	83	16	0.07	0.3
Jun-16	7.32	23	88	18	0.08	0.3
Jul-16	7.25	20	74	15.6	0.07	0.24
Aug-16	7.14	18	69	13.5	0.06	0.19
Sep-16	7.11	14	61	12.1	0.05	0.12
Oct-16	7.15	20	32	6	0.03	0.1
Nov-16	7.76	25	80	21	0.03	0.09
Dec-16	7.27	9	20	6.4	0.01	0.07
Jan-17	8.34	15	192	24	1.2	6
Feb-17	7.6	18	32	8	1	5.6
Mar-17	7	25	79.2	19.8	1.5	5.1

N.T. – Not Traceable

For AIR Quality

(a) Ambient Air Monitoring

Stations/ Area	Month	PM_{10} (µg/m3)	$PM_{2.5}$ (µg/m3)	SO_2 (µg/m3)	NO_2 (µg/m3)	CO (mg/m3)	O_3 (µg/m3)
Standard		100	60	80	80	4	180
Near Safety Control Center	Apr-16	47	24	15	24	0.1	9
	May-16	41	29	10	22	0.07	8
	Jun-16	39	19	10	18	0.07	7
	Jul-16	42	21	11.5	21	0.1	7
	Aug-16	41.3	20.8	11.5	22.0	0.1	6.6
	Sep-16	41.6	20.7	11.9	22.6	0.1	6.8
	Oct-16	40.5	20.3	11.8	22.5	0.1	6.4
	Nov-16	41.8	21.1	12.1	22.9	0.1	6.8
	Dec-16	54.3	29.95	13.1125	24.8875	0.42	14.5
	Jan-17	70.0	40.4	14.8	28.7	0.8	23.3
	Feb-17	69.4	38.4	14.1	27.7	0.8	23.4
	Mar-17	76.125	40.375	14.9625	29.3875	0.95	24.5
	Avg.	**50.3**	**27.1**	**12.6**	**23.8**	**0.3**	**11.9**
Near STP Area	Apr-16	46	23	14	25	0.1	9
	May-16	41	21	11	22	0.1	7
	Jun-16	41	20	11	21	0	9
	Jul-16	43	22	13	23	0.12	6.75
	Aug-16	43.0	22.5	13.2	24.9	0.1	6.6
	Sep-16	43.2	22.0	13.4	25.5	0.1	6.8
	Oct-16	41.7	21.4	13.2	25.4	0.1	6.7
	Nov-16	42.5	21.7	13.1	24.9	0.1	7.0
	Dec-16	54.2	29.7	13.5	25.9	0.4	13.6
	Jan-17	69.5	40.4	14.3	27.2	0.8	23.0
	Feb-17	70.13	39.38	14.15	27.46	0.80	23.13
	Mar-17	78.125	42.5	15.525	30.2625	1	25.625
	Avg.	**51.1**	**27.1**	**13.3**	**25.2**	**0.3**	**12.0**

Near CBU substation	Apr-16	48	25	15.3	26.8	0.1	10.5
	May-16	41.4	22.1	10.9	21.1	0.1	7.6
	Jun-16	41	20.3	10.4	19.7	0.1	7.2
	Jul-16	42.74	21.62	11.83	22	0.15	7
	Aug-16	42.2	21.6	12.3	23.2	0.1	6.4
	Sep-16	42.2	21.4	12.4	23.3	0.1	6.6
	Oct-16	43.9	22.2	13.4	25.8	0.1	6.6
	Nov-16	42.9	21.2	12.5	24.06	0.07	6.8
	Dec-16	56.7	31.9	13.4	25.9	0.4	15.4
	Jan-17	67	37.5	12.8	24.5	0.7	22
	Feb-17	67.7	37.0	13.4	25.9	0.7	22.6
	Mar-17	75.9	40.4	15.0	29.1	0.9	24.7
	Avg.	**50.96**	**26.85**	**12.80**	**24.28**	**0.30**	**11.94**

Note: All the values mentioned above are the average values of each month.

For Process Stack Monitoring

(a) Stack attached to Painting Process

Month	**Stack number**	**SO2**	**NOx**	**CO**
		µg/m3	**µg/m3**	**mg/m3**
RPCB Standards		—	—	—
Apr-16	E-Coat Oven	N.T	N.T	1.9
	Sealer Oven	N.T	N.T	1.5
	Top Coat Oven	N.T	N.T	1.37
	Primer Oven	N.T	N.T	1.9
	Touch up Oven	N.T	N.T	1.8
	RTO Exhaust	0.8	0.04	0.89
	POPA Oven Exhaust	0.53	1.9	1.89
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.18
May-16	E-Coat Oven	N.T	N.T	1.7
	Sealer Oven	N.T	N.T	1.3
	Top Coat Oven	N.T	N.T	1.31
	Primer Oven	N.T	N.T	1.7
	Touch up Oven	N.T	N.T	1.6

	RTO Exhaust	0.6	0.02	0.73
	POPA Oven Exhaust	0.49	1.3	1.75
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.12
Jun-16	E-Coat Oven	N.T	N.T	1.4
	Sealer Oven	N.T	N.T	1.5
	Top Coat Oven	N.T	N.T	1.42
	Primer Oven	N.T	N.T	1.9
	Touch up Oven	N.T	N.T	1.8
	RTO Exhaust	0.4	0.06	0.58
	POPA Oven Exhaust	0.57	1.5	1.82
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.18
Jul-16	E-Coat Oven	N.T	N.T	1.2
	Sealer Oven	N.T	N.T	1.3
	Top Coat Oven	N.T	N.T	1.26
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.7
	RTO Exhaust	0.34	0.05	0.49
	POPA Oven Exhaust	0.51	1.3	1.61
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.11
Aug-16	E-Coat Oven	N.T	N.T	1.1
	Sealer Oven	N.T	N.T	1.2
	Top Coat Oven	N.T	N.T	1.14
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.59
	RTO Exhaust	0.29	0.04	0.41
	POPA Oven Exhaust	0.47	1.2	1.54
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.1
Sep-16	E-Coat Oven	N.T	N.T	1.09
	Sealer Oven	N.T	N.T	1.1
	Top Coat Oven	N.T	N.T	1.02
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.41
	RTO Exhaust	0.24	0.03	0.37
	POPA Oven Exhaust	0.41	1.12	1.26
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.18

Oct-16	E-Coat Oven	N.T	N.T	0.92
	Sealer Oven	N.T	N.T	1.25
	Top Coat Oven	N.T	N.T	0.91
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.21
	RTO Exhaust	0.21	0.02	0.32
	POPA Oven Exhaust	0.36	1.02	1.1
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.23
Nov-16	E-Coat Oven	N.T	N.T	0.85
	Sealer Oven	N.T	N.T	1.14
	Top Coat Oven	N.T	N.T	0.85
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.15
	RTO Exhaust	0.19	0.03	0.29
	POPA Oven Exhaust	0.31	0.97	1.02
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.2
Dec-16	E-Coat Oven	N.T	N.T	0.78
	Sealer Oven	N.T	N.T	1.07
	Top Coat Oven	N.T	N.T	0.81
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	1.06
	RTO Exhaust	0.21	0.05	0.25
	POPA Oven Exhaust	0.28	0.91	0.85
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.24
Jan-17	E-Coat Oven	N.T	N.T	0.09
	Sealer Oven	N.T	N.T	0.09
	Top Coat Oven	N.T	N.T	0.09
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	0.09
	RTO Exhaust	0.19	0.03	0.09
	POPA Oven Exhaust	0.52	0.98	0.09
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.07

Feb-17	E-Coat Oven	N.T	N.T	0.08
	Sealer Oven	N.T	N.T	0.09
	Top Coat Oven	N.T	N.T	0.082
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	0.088
	RTO Exhaust	0.32	0.06	0.024
	POPA Oven Exhaust	0.48	0.92	0.083
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.065
Mar'17	E-Coat Oven	N.T	N.T	0.076
	Sealer Oven	N.T	N.T	0.082
	Top Coat Oven	N.T	N.T	0.084
	Primer Oven	N.T	N.T	-
	Touch up Oven	N.T	N.T	0.08
	RTO Exhaust	0.37	0.06	0.03
	POPA Oven Exhaust	0.46	0.87	0.079
	Propane/CNG Fired Hot Water Generator	N.T	N.T	0.06

(b) Stack attached to DG sets

Source of sample : **DG Set (2.5 MW) 1 nos Stack no. 1, DG Sets (1.2 MW) 2 nos**				**Frequency : Once in a Month**	
Month	**Stack number**	**NMHC**	**CO**	**NOx**	**Particulate Matter**
		mg/nm^3	**mg/nm^3**	**mg/nm^3**	**mg/nm^3**
RPCB Standards →		**710**	**100**	**710**	**150**
Apr-16	Stack no.1	60.5	32.8	25.3	43.4
	Stack no.2	61.5	38.4	24.2	45.8
	Stack no.3	46.5	25.1	26.5	51.9
May-16	Stack no.1	59.3	34.6	22.9	41.9
	Stack no.2	61.8	36.7	21.3	44.6
	Stack no.3	43.8	31.3	24.9	49.7
Jun-16	Stack no.1	58.1	32.4	21.2	40.3
	Stack no.2	60.3	34.4	19.5	41.7
	Stack no.3	42.6	30.4	22.6	47.3
Jul-16	Stack no.1	54.3	30.1	19.6	38.1
	Stack no.2	57.3	31.2	17.6	37.9
	Stack no.3	40.3	29.1	20.4	42.5
Aug-16	Stack no.1	51.2	28.4	17.9	36.4
	Stack no.2	53.4	29.6	14.7	33.2
	Stack no.3	36.5	27.1	18.7	40.2

Sep-16	Stack no.1	47.5	25.3	16.2	33.4
	Stack no.2	50.2	25.6	12.4	31.4
	Stack no.3	34.1	25.4	16.9	37.2
Oct-16	Stack no.1	43.6	22.1	14.9	30.2
	Stack no.2	47.1	21.4	11.8	35.5
	Stack no.3	31.6	23.5	15.2	34.7
Nov-16	Stack no.1	41.2	20.6	13.6	28.4
	Stack no.2	45.20	19.80	11.20	32.10
	Stack no.3	29.70	22.10	14.50	31.60
Dec-16	Stack no.1	65	19.2	67	54.0
	Stack no.2	68	19.8	65	48.0
	Stack no.3	75	22.1	75	55.0
Jan-17	Stack no.1	60	17.5	61	48.0
	Stack no.2	62	17.9	60	42.0
	Stack no.3	75	22.1	75	55.0
Feb-17	Stack no.1	63	19.4	65	50.3
	Stack no.2	70	20	65	45.0
	Stack no.3	78	24	73	52.0
Mar-17	Stack no.1	67.2	21.6	68.4	53.2
	Stack no.2	67.5	22.4	68.1	49.0
	Stack no.3	74.6	22.3	71	55.8

(c) Stack attached to Casting Process

Source of sample : GSN fume extractor, HPDC, LPDC & SPC stack				**Frequency : Once in a Month**	
-					
Month	**Stack Detail**	SPM	**SO_2**	**NO_X**	**CO**
		Mg/NM^3	**Mg/NM^3**	**Mg/NM^3**	**Mg/NM^3**
RPCB Standards →		**150**	-	-	-
Apr-16	GSN Stack	47.5	N.T	N.T	1.8
	LPDC Stack	23.4	N.T	N.T	1.57
	HPDC Stack-I	20.8	N.T	N.T	0.84
	HPDC Stack-II	25.2	N.T	N.T	0.82
	SPC Stack	22.5	N.T	N.T	1.49
May-16	GSN Stack	45.3	N.T	N.T	1.3
	LPDC Stack	21.5	N.T	N.T	1.48
	HPDC Stack-I	19.7	N.T	N.T	0.75
	HPDC Stack-II	24.3	N.T	N.T	0.71
	SPC Stack	20.5	N.T	N.T	1.41

Jun-16	GSN Stack	45.3	N.T	N.T	1.6
	LPDC Stack	20.2	N.T	N.T	1.52
	HPDC Stack-I	19.4	N.T	N.T	0.82
	HPDC Stack-II	24.5	N.T	N.T	0.74
	SPC Stack	19.4	N.T	N.T	1.54
Jul-16	GSN Stack	21.4	N.T	N.T	1.6
	LPDC Stack	18.7	N.T	N.T	1.41
	HPDC Stack-I	17.6	N.T	N.T	0.74
	HPDC Stack-II	22.1	N.T	N.T	0.69
	SPC Stack	20.3	N.T	N.T	1.42
Aug-16	GSN Stack	39.5	N.T	N.T	1.42
	LPDC Stack	16.5	N.T	N.T	1.23
	HPDC Stack-I	16.1	N.T	N.T	0.67
	HPDC Stack-II	20.3	N.T	N.T	0.57
	SPC Stack	18.9	N.T	N.T	1.16
Sep-16	GSN Stack	36.1	N.T	N.T	1.4
	LPDC Stack	18.9	N.T	N.T	1.12
	HPDC Stack-I	15.2	N.T	N.T	0.56
	HPDC Stack-II	19.1	N.T	N.T	0.51
	SPC Stack	21.5	N.T	N.T	1.04
Oct-16	GSN Stack	32.4	N.T	N.T	1.01
	LPDC Stack	17.5	N.T	N.T	1.02
	HPDC Stack-I	16.8	N.T	N.T	0.64
	HPDC Stack-II	21.3	N.T	N.T	0.85
	SPC Stack	19.6	N.T	N.T	0.89
Nov-16	GSN Stack	30.2	N.T	N.T	0.97
	LPDC Stack	16.1	N.T	N.T	0.89
	HPDC Stack-I	15.2	N.T	N.T	0.59
	HPDC Stack-II	20.5	N.T	N.T	0.78
	SPC Stack	18.2	N.T	N.T	0.83
Dec-16	GSN Stack	28.5	N.T	N.T	0.89
	LPDC Stack	15.4	N.T	N.T	0.82
	HPDC Stack-I	16.3	N.T	N.T	0.67
	HPDC Stack-II	18.7	N.T	N.T	0.71
	SPC Stack	16.9	N.T	N.T	0.76
Jan-17	GSN Stack	29.7	N.T	N.T	N.T
	LPDC Stack	35.6	N.T	N.T	0.09
	HPDC Stack-I	38.2	N.T	N.T	0.09
	HPDC Stack-II	41	N.T	N.T	0.09
	SPC Stack	41.2	N.T	N.T	0.09

Feb-17	GSN Stack	88	N.T	N.T	0.01
	LPDC Stack	72.5	N.T	N.T	0.08
	HPDC Stack-I	75.4	N.T	N.T	0.069
	HPDC Stack-II	81	N.T	N.T	0.076
	SPC Stack	69	N.T	N.T	0.085
Mar-17	GSN Stack	85.2	N.T	N.T	0.011
	LPDC Stack	75	N.T	N.T	0.085
	HPDC Stack-I	78.5	N.T	N.T	0.074
	HPDC Stack-II	78.6	N.T	N.T	0.071
	SPC Stack	75	N.T	N.T	0.09
** N.T. - Not Traceable					

(d) 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**
Apr-16	East: East of Press shop	71.2	64.3
	North: North side of WTP	66.5	58.2
	South: South of PT Shop	68.6	63.2
	West: West of PT Shop	72.1	55.8
Jul'16	East: East of Press shop	72.3	65.2
	North: North side of WTP	67.9	59.6
	South: South of PT Shop	69.2	64.1
	West: West of PT Shop	71.8	57.8
Oct-16	East: East of Press shop	71.9	67.5
	North: North side of WTP	70.6	59.7
	South: South of PT Shop	68.5	60.3
	West: West of PT Shop	70.1	66.4
Jan'17	East: East of Press shop	74.1	68.6
	North: North side of WTP	69.3	63.5
	South: South of PT Shop	73.8	67.4
	West: West of PT Shop	71.6	62.11

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 (2015-16)	**During the current financial year (2015-16)**
(a) From process		
Category 5.1- Used Oil/Spent Oil	69,000 Liters	108,000 Liters
Category 5.2- waste & Residue Containing Oil	247,845 Kg	255,000 Kg
Category 12.5 – Phosphate Sludge	82,340 Kg	71,000 Kg
Category 21.2 – Spent Solvent	34,590 Liters	31,000 Liters
Category 21.1 – Process Waste residues	137,960 Kg	126,000 Kg
Category 33.1 - Empty Barrels	44,186 Nos	41,717 Nos
(b) **From pollution control facilities**		
Category 35.3 – ETP Sludge	2,35,620 Kg	2,79,160 Kg

PART - E

SOLID WASTE

		Total Quantity	
		During the previous financial year (2015 - 16)	**During the current financial year (2016 - 17)**
(a)	From process	26535	22668
(b)	From pollution control facility	Nil	Nil
(c)	(1) Quantity recycled or re-utilized within the unit	Nil	Nil
	(2) Sold to recycler (tons)	26161	22301
	(3) Disposed (Mix Malwa & Garbage in tons)	374	367

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 incineration. Grinding Sludge stored in HDPE bags and sent for land filling.
Category 12.5 – Phosphate Sludge	Phosphate Sludge is stored in container and sent for land filling to CTDF Udaipur.
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 land filling to CTDF Udaipur.

PART-G

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

- Waste heat recovery system in Paint shop exhaust unit- 7.4 Million INR
- Natural Gas consumption reduction by installation of waste heat recovery system to reuse the RTO exhaust heat in generation of Hot water for ED system
- Energy saving through automation in street light and DG auxiliaries
- LED light installation in PT and Frame shops (work stations)
- IPFC (Intelligent power factor controller) installed in HPDC area
- Auto cut off provided in OH Conveyors, cooling towers, Overhead lights & In air blow system to save electricity

PART - H

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

- Injection molding barrel heater insulated with Eco barrel cover to reduce heat lose.(Saving of 14Kw/h)
- Individual control of work area exhaust to save energy at non-working time (Saving : 60Kwh/ Day)
- 1.2 MW Solar power plant installation (Locker building roof top and covered parking shed for 2W & 4W vehicles)
- 3C2B (3 Coat & 2 Bake)Technology in place of 4C3B (4 Coat & 3 Bake) at paint shop

PART - I

Any other particular for improving the quality of the environment:

- Total CO2 reduction in the 2016-17 is 966 MT by implementation of different approaches
- Lawns and Nursery is maintained round the year with seasonal flowering plant. On periphery of the plant 3500 nos of tall trees have been planted in 93 Ki (2016-17)