ADITYA BIRLA
HINDALCO

19th September 2019

The Member Secretary
State Pollution Control Board,Odisha
"Paribesh Bhawan"
A/118, Nilakantha Nagar
Unit - VIII
BHUBANESWAR – 751012

Sub : **Environmental Statement for the financial year 2018-2019**

Dear Sir,

We are enclosing **Environmental Statement** for the financial year **2018-2019** duly filled in as per Government of India notification No. GSR 386 (E) of 28 April 1993.

Thanking you,

Yours truly,

19/09/19

J.P.Nayak
Plant Head- Smelter

Copy to:

Regional Officer
State Pollution Control Board, Odisha.
Plot No:- 1070
Hospital Road,
Modi Para.
SAMBALPUR - 768 002

Hindalco Industries Limited
Hirakud Complex, Hirakud - 768 016, District: Sambalpur, Odisha, India
T: +91 663 2481307/2481273/2481295 | Fax: +91 663 2481356/2481342 | E: hindalco@adityabirla.com | W: www.hindalco.com
Registered Office: Ahura Centre, 1st Floor, B-Wing, Mahakali Caves Road, Andheri (East), Mumbai-400 093, India
Tel: +91 22 6691 7000 | Fax: + 91 222 6691 7001
Corporate ID No.: L27020MH1958PLC011238

"FORM-V"

(See Rule – 14)

Environmental Statement for the financial year ending the 31st March 2019.

PART- A

01.	Name and Address of the owner / ~~Occupier~~ Of the Industry, Operation or process	:	Mr. Jagannath Prasad Nayak Plant Head- Smelter Hindalco Industries Limited, Hirakud Smelter P. O. : HIRAKUD – 768016 Dist. : Sambalpur (ODISHA)
02.	Industry category Primary - (STC code) Secondary - (SIC code)	: :	 684. 1 3720
03.	Production Capacity - Units	:	2.16 LTPA
04.	Year of Establishment	:	1959
05.	Date of the last Environmental Statement Submitted	:	24th September 2018.

PART- B
Water and Raw Material Consumption

01. Water Consumption : (m^3)

	2018-2019
Process :	Nil
Cooling :	349440
Domestic :	174996

Name of the Products	Water consumption per unit of product	
	During the Previous Financial year 2017-2018	During the current Financial Year **2018 – 2019**
01. Aluminium	2.16 m^3 per ton of aluminium (excluding domestic consumption)	2.10 m^3 per ton of aluminium (excluding domestic consumption)

02. Raw Material Consumption :

Name of the Raw Materials	Name of the Products	Consumption of the Raw materials per unit of Output	
		During the previous Financial Year 2017- 2018 Kg/ MT. AI.	During the Current Financial Year **2018- 2019** Kg/ MT. AI.
Alumina	Aluminium Metal	1916.0	1909.545
Cryolite		3.0	5.474
Aluminium Fluoride		20.0	21.34
Calcium Fluoride		0.200	0.112
Prebaked Anode		554.0	565.55

PART- C

Pollution Discharged to Environment / Unit of output. (Parameters as specified in the Consent Order)

Pollutants	Quantity of Pollutants discharged (mass / day)		Concentrations of Pollutants in discharges (mass/ volume)		Percentage of Variation from prescribed standards with reasons.
(a) Water	No Discharge of pollutant to out of the Plant premises		No Discharge of pollutant to out of the Plant premises		All the Plant effluent /sewage water being treated & recycled in Plant ETP/STP to maintain the ZLD status by reusing in Plant process like cooling tower and gardening purpose.
(b) Air	TOTAL FLUORIDE (Kg/ MT. Al.)		SPM (mg/ NM3)		Prescribed limiting Standards as per CTO
	STACK (FTP)	FUGITIVE	STACK (FTP)	FUGITIVE	Stack(FTP) Total F- 0.3 Kg/ MT. Al Fugitive Total F - 0.4 Kg/ MT. Al. Stack(FTP)/ Fugitive SPM - 100 mg/ NM3
*Annual avg.	0.16	0.32	9.96	9.76	Figures are within the limiting standard

PART- D

Hazardous Wastes

[as specified under Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous Wastes	Total Generation quantity		Total Disposal (Sold) quantity	Total Storage quantity
(a) From Process	During the Previous Financial Year 2017-18	During the current Financial Year **2018-19**	During the current Financial Year **2018-19**	During the end of Financial Year **2018-19**
Used oil	31.57 KL	11.408 KL	5.00 KL	6.408 KL
Waste containing oil	1.033 MT	0.011 MT	0.0 MT	0
Spent Pot Lining (Cathode residues)	3434.95 MT	4583.04 MT	4036.94 MT	43187.821 MT
Aluminium Dross	4186.252 MT	3996 MT	2032.0 MT	325.0 MT
Aluminium Dross Residue	1256 MT	2083 MT	2170.0 MT	369.0 MT
Pot Duct Cleaning Waste	0.0 MT	0.0 MT	0	0
Rejected lining of furnace (refractory)	0.0 MT	0.0 MT	0	0
Rejected Refractory of furnace	0.0 MT	2.0 MT	0	0
Shot Blasting Dust(containing Fluoride)	69.82 MT	57.0 MT	91.5 MT	0
Laddle cleaning residue	14.63 MT	21.74 MT	21.74 MT	0
Rejected filter Bags (FTP)	0.0MT	19.26MT	13.170 MT	0
Asbestos waste	0.0 MT	0.0 MT	1.010 MT	0
Rejected AlF3 Bags	0.023 MT	0.0229 MT	0	0
Fluoride contaminated waste (spilled waste from potline)	28.14 MT	40.25 MT	40.25 MT	0
Drain cleaning sludge	1.19 MT	4.76 MT	0	0
Floor sweeping & housekeeping waste	365.5 MT	58.17 MT	83.16 MT	0
Tar containing waste	0.0 MT	0.0 MT	0.0 MT	0
ETP sludge	1.16 MT	3.156 MT	7.210 MT	0
Used Anode butts	18852.2 MT	20620.65 MT	19393.48 MT	1227.17 MT
Discarded container/Liners used for Hazardous chemicals	Nil	Nil	0	0
Used Batteries	23 nos.	68 nos.	211 nos. (approx. 22.34 MT)	0

(b) From Pollution Control Facillties

i) Water Pollution Control System adopted by our unit

- Total nos of ETP with RO system installation 2×250KLD and One 50KLD
- Total nos of STP installation 1×100KLD, 1×500KLD,1×300KLD, 1×400KLD
- We are maintaining to zero discharge concept during non-monsoon seasons.
- Online effluent water monitoring system has been connected to OSPCB and CPCB server.

(ii) Air Pollution Control System adopted by our unit

- 4nos of FTP and 5nos of stack has been connected to all pot room for fume collection.
- All stack emission and ambient monitoring data has been connected to OSPCB and CPCB server.
- Installation & commissioning of spectrometer (Laser diode gas Analyser using optical radiation to monitor HF concentration in two paths) at 235KA and another 8path has been installed at 85 KA.

(iii) Hazardous Waste Management Practice

- 11nos of over ground SPL shed for storing SPL
- Own SLF(Secured land fill)-5300m^3
- Own in-house recovery of aluminium dross plant in consent with OSPCB.
- Used anode butts disposing our sister unit Aditya Aluminum for making green anode.
- Our other hazardous wastes are been disposed to CHWTSDF for every month & manifest are maintained.
- ETP sludge generated 3.156 MT and disposed to own SLF.

Sl.No.	**(C)**	During the Previous Financial Year 2017 -2018	During the Current Financial Year **2018 - 2019**
1.	Quantity re- cycled or re-utilized within the unit Cathode residue (SPL)	Nil	Nil
2.	Sold Dross	4101.09 MT	2032.07 MT (Annexure-XIV Details)
3.	Disposed Cathode Residue(SPL)	855.85 MT	4036.94 MT (Annexure-XIV Details)
4.	Used Oil	31.57 KL	5.00 KL

PART- E
Solid Wastes

Solid waste	Total Generation quantity (MT)		Total Disposal (Sold) quantity (MT)	Total Storage quantity (MT)
(a) From Process	During the Previous Financial Year 2017-18	During the current Financial Year **2018-19**	During the current Financial Year **2018-19**	During the end of Financial Year **2018-19**
Scrap cast iron	159.100	93.010	93.010	0
Scrap collector bar	711.150	789.530	789.530	0
M.S Scrap	538.940	805.870	805.870	0
Scrap Cast steel rod	412.020	432.430	432.430	0
M.S.RodScrap(Reinforcement)	0.000	0.000	0.000	0
Scrap Steel-Al clad	33.360	38.380	38.380	0
Light M. S Scrap	116.750	0.000	0.000	0
Scrap Cast Iron from Rodding Plant	2.000	3.790	3.790	0
M S Strip	25.200	56.730	56.730	0
Bailed Aluminium chips	274.610	309.940	309.940	0

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.

DISPOSAL OF HAZARDOUS WASTES :

Hazardous Wastes	Physical Form	Composition	Storage Description	Disposal Practice
Used oil	Liquid	Not Applicable	Stored in designated place.	Used lube oil is sold to CPCB/SPCB authorized party with maintaining Manifest.
Waste containing oil	Solid	Not Applicable	Stored in designated place.	Disposed to our own SLF
Spent Pot Lining (Cathode residues)	Lumps	See Annex-I	Stored in covered sheds on concrete floors.	Spent pot lining collected from failed pots are stored under covered shed on concrete floor. And disposed to SPCB authorized vendore M/s. Green Energy Limited..
Aluminium Dross	Lumps	See Annex-II	Stored in covered	In-house recycling and disposed

			sheds on concrete floors.	to SPCB authorized re-processor as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv) with maintaining manifest.
Aluminium Dross Residue	Solid Powder	See Annex-II	Stored in covered sheds on concrete floors.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv) with maintaining manifest.
Pot Duct Cleaning Waste	Solid Powder	See Annex-IV	Stored in covered sheds.	Recycled inside the Pot
Rejected lining of furnace (refractory)	Solid Hard Lumps	See Annex-V	Stored in covered sheds.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv)
Rejected Refractory of furnace	Solid Hard Lumps	See Annex-V	Stored in covered sheds.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv)
Shot Blasting Dust(containing Fluoride)	Solid Granular	-	Stored in covered sheds	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv)
Laddle cleaning residue	Solid Powder & Lumps	See Annex-VI	Stored in covered sheds.	Recycled inside the Pot
Rejected filter Bags (FTP)	Solid Pieces	See Annex-VII	Stored in covered sheds.	Dispose to our own SLF /used in pots..
Asbestos waste	Solid	See Annex-VIII	Stored in covered sheds.	Dispose to our own SLF and disposed to M/s. Ramky
Rejected AlF3 Bags	Solid	See Annex-IX	Stored in covered sheds.	Burning in pots and by back to supplier
Fluoride contaminated waste (spilled waste from potline)	Solid	Not Applicable	Stored in covered sheds.	Recycled inside the Pot
Drain cleaning sludge	Solid Powder	See Annex-X	Stored in covered sheds.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and

				Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv)
Floor sweeping & housekeeping waste	Solid Powder	See Annex-XI	Stored in covered sheds.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.(Annexure- xiv)
Tar containing waste	Solid	See Annex-XII	Stored in covered sheds	Recycled inside the Pot relining
ETP sludge	Solid Powder	See Annex-XIII	Stored in covered sheds on concrete floors.	Dispose to M/S Ramky Enviro Engineers LTD. CHWTSDF, Jajapur as per HW (Management, Handling and Transboundary) Movement Rule-2016 and communicated to SPCB.
Used Anode butts	Lumps	See Annex-III	Stored in covered sheds on concrete floors.	In house reprocessing at our own sister plant at Aditya aluminium, Lapanga.
Discarded container/Liners used for Hazardous chemicals	Solid Plastic	Not Applicable	Stored in covered sheds.	Sale to recycler
Used Batteries	Nos	Not Applicable	Stored under covered shed on concrete floor in a designated place	sold / returned on buy back policy to authorized recycler

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

A **<u>Impact of pollution control measures :</u>**

i) All the HSS pots have been converted to PFPB and dry scrubbers (FTP –1, FTP-2, FTP-3 & FTP-4) are being operated for all the pots. Due to this conversion and up-gradation of the smelter the fluoride and other emissions have been reduced to a large extent.

ii) The operation of FTPs (dry scrubbers) apart from reducing and controlling fluoride emission to the atmosphere to a greater extent, has achieved recycling of fluoride thereby reducing fluoride consumption leading to resource conservation.

iii) Closed loop cooling towers are operational all the time for casting plant, continuous casting plant, rodding plant, rectifiers, compressors and other equipment thereby reducing the chances of water contamination. Further

treatment programmes for cooling water is being undertaken to reduce water consumption.

iv) Three nos. of Effluent Treatment Plant (ETP)-250KLD two nos. & ETP-50KLD one no. have been installed for treating fluoride with a conventional fluoride treatment followed by double stage Reverse Osmosis & Four nos. STP (500KLD, 100KLD, 400KLD, 300KLD STP) has been installed for plant & colony sewage treatment. The treated water is being completely recycled inside plant. This has further reduced the specific water consumption.

v) The spent pot lining (SPL) is stored under covered shed on concrete floor. Other alternate usages of SPL particularly in captive power plant are being explored to utilize the calorific value in SPL.

vi) The used oil generated is either used as lubricant or sold to CPCB/SPCB authorized party with maintaining Manifest.

vii) The used batteries are properly stored on concrete floor under a designated shed to avoid contamination to environment and are being sold to authorized dealers / returned on buy back policy.

viii) First time and First Industry in Odisha has installed Real time online stack HF monitoring analyzer and the generation of data connected to SPCB and CPCB server through Y-Cable in GPRS mode.

ix) We have developed own secured land filling facility (SLF) for proper Management of Hazardous waste and also became a life member of CHWTSDF centre in Odisha for disposal of HW.

x) We have installed the Real time online AAQ monitoring system and the data transmitted to SPCB server through Y-cable in GPRS mode.

xi) First industry and First time we have connected online water monitoring F-analyzer and the real time data connected to SPCB server through Y-cable in GPRS mode.

xii) We have centralized environment database/Env-MIS and SMS gate way system to attend promptly action on environment.

xiii) We have installed the Real time online Fugitive monitoring system at pot room area (both 85 KA & 235 KA) and the data transmitted to SPCB server through Y-cable in GPRS mode.

B **Impact on cost of production :**

		During the Previous financial Year 2017- 2018 (Rs)	During the current financial Year **2018- 2019 (Rs.)**
i)	Total environmental Expenditure		
	(Capitalised)	**29553740.00**	**1956567.00**
	(Not Capitalised)	**263563119.00**	**304902671.00**
		293116859.00	**306859238.00**
ii)	Impact per MT. of Aluminium	1810.11	1840.59

PART- H

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

The budgetary expenditure planned on Environment is around Rs. 38,80,57,303/- for the year **2019-2020**.

PART- I

Any other particulars for improving the quality of the Environment.

A. **Community Development :**

Expenses on community development during the year 2018-19 for Hirakud Complex is Rs. 269.94 Lakhs.

B. Online data transmitted to SPCB through GPRS methods in Y-Cable.

C. Online AAQ /Stack/Water/Fugitive Monitoring Station for all potline commissioned and connected to SPCB server.

D. Surface run off study of total Hirakud complex completed and implemented.

E. Augmentation & Up gradation of plant RBC to 500 KLD STP commissioned.

F. Developed new additional 250 KLD & 50 KLD RO-based ETP and commissioned.

G. Developed Own SLF and commissioned.

H. SMS Gate way and EMS Server Developed.

I. The up gradation of colony SSTP from 300 KLD to 400 KLD & a new colony 300KLD STP.

J. Online Fluoride analyzer installed at all STP & ETP and the Real time data transferred to SPCB server.

K. All pot lines are modified by new pot door without emission & heat loss.

L. Replacement of new RO membrane both in R&D backside 250KLD & 80 pot area (235KA) 50KLD ETP.

M. New Ultra Filtration system changed both in R&D backside 250KLD & 80 pot area (235KA) 50KLD ETP.

N. Two new PSF & IRF Filter Installed in R&D backside 250KLD & 80 pot area (235KA) 50KLD ETP.

O. Forced Evaporation system modification & commissioning made in ETP solar pond.

P. Newly Online AAQ system installed in 80 pot area (235KA).

Q. New Online Laser based Fugitive Monitoring system installed at 85 KA Pot line & the real time data are communicated to SPCB server through Y-cable in GPRS mode.

ANNEXURE – I

CHEMICAL COMPOSITION

TYPICAL COMPOSITION OF Cathode residue (Spent pot lining)

Parameters	Values (%)
pH	10
Carbon	45 - 50
Aluminium	0.4 - 0.5
Silica	1.0 - 1.5
Iron	0.5 - 1.0
Sodium	15 - 20
Fluoride	10 - 12
Aluminium carbide & nitride	5.0 - 6.0
Cyanide	0.01- 0. 025
Others	10 - 15

ANNEXURE – II

TYPICAL COMPOSITION OF DROSS
(Unit : %)

Parameters	Values (%)
Alumina	40 - 60
Aluminium	20 - 25
Carbides	5 - 8
Nitrides	0.01 – 0.05
Iron	0.5 – 1.0

ANNEXURE – III

TYPICAL COMPOSITION OF ANODE BUTT
(Unit : %)

Parameters	Values (%)
Chromium	0.04 - 0.06
Molybdenum	0.139 - 0.233
Vanadium	3.19 – 3.27
Fluoride	0.161 – 0.361
Chloride	0.263 – 0.379
Iron	7.0 -16.0
Manganese	0.069 – 0.132
Nitrate (NO_3^-)	0.204 – 0.432
Sulphur (S)	2.43 – 3.53

ANNEXURE – IV

TYPICAL COMPOSITION OF POT DUCT CLENING WASTE
(Unit : %)

Parameters	Values (%)
pH	5.90
Cobalt	0.0006
Nickel	0.0458
Copper	0.0183
Lead	0.0056
Fluoride	7.0 – 8.0
Zinc	0.0031

ANNEXURE – V

TYPICAL COMPOSITION OF REJECTED LINING OF FURNACE (REFRACTORY) (Unit : %)

Parameters	Values (%)
pH	7.11
Chromium	0.064
Molybdenum	0.209
Vanadium	0.273
Fluoride	2.86
Chloride	0.069
Iron	0.182
Manganese	0.064
Nitrate (NO_3^-)	0.017
Sulphur (S)	0.029
Silicon	3.18

ANNEXURE – VI

TYPICAL COMPOSITION OF LADDLE CLEANING RESIDUE (Unit : mg/Lit & mg/Kg)

Parameters	Values (mg/Lit & mg/Kg)
pH	7.25
Ammonia as N	< 1 mg/Lit
Fluoride	< 1 mg/Lit
Nitrate Nitrogen	< 1 mg/Lit
Arsenic	< 0.1 mg/Kg
Cadmium	< 0.5 mg/Kg
Chromium(Total)	15.57 mg/Kg
Hexavalent Chromium	< 5.0 mg/Kg
Lead (Total)	< 10.0 mg/Kg
Nickel (Total)	9.26 mg/Kg
Zinc (Total)	29.34 mg/Kg
Copper (Total)	13.24 mg/Kg

ANNEXURE – VII

TYPICAL COMPOSITION OF REJECTED FILTER BAG
(Unit : mg/Lit & mg/Kg)

Parameters	Values (mg/Lit & mg/Kg)
Ammonia as N	< 1 mg/Lit
Fluoride	< 1 mg/Lit
Nitrate Nitrogen	< 1 mg/Lit
Arsenic	< 0.1 mg/Kg
Cadmium	< 0.5 mg/Kg
Chromium(Total)	15.57 mg/Kg
Hexavalent Chromium	< 5.0 mg/Kg
Lead (Total)	< 10.0 mg/Kg
Nickel (Total)	9.26 mg/Kg
Zinc (Total)	29.34 mg/Kg
Copper (Total)	13.24 mg/Kg

ANNEXURE – VIII

TYPICAL COMPOSITION OF ASBESTOS WASTE
(Unit : %)

Parameters	Values (%)
pH	9.47
Nickel	0.0017
Copper	0.0005
Lead	0.0015
Fluoride	0.0210

ANNEXURE – IX

TYPICAL COMPOSITION OF REJECTED AlF_3 Bags
(Unit : %)

Parameters	Values (%)
pH	6.21
Copper	0.0014
Fluoride	3.50

ANNEXURE – X

TYPICAL COMPOSITION OF DRAIN CLEANING SLUDGE
(Unit : %)

Parameters	Values (%)
pH	6.60
Nickel	0.0060
Copper	0.0066
Lead	0.0020
Fluoride	0.630
Zinc	0.026

ANNEXURE – XI

TYPICAL COMPOSITION OF FLOOR SWEEPING WASTE
(Unit : %)

Parameters	Values (%)
pH	6.32
Nickel	0.0004
Copper	0.0010
Fluoride	0.1450
Zinc	0.0003

ANNEXURE – XII

TYPICAL COMPOSITION OF TAR CONTAINING WASTE
(Unit : %)

Parameters	Values (%)
pH	9.21
Nickel	0.0052
Copper	0.1260
Lead	0.0179
Fluoride	0.0560
Zinc	0.0155
Vanadium	0.0013
Zinc	0.0155
Chromium	0.0045
Cadmium	0.0001

ANNEXURE – XIII

TYPICAL COMPOSITION OF ETP SLUDGE
(Unit : %)

Parameters	Values (%)
Calcium Fluoride	1.42
Barium	0.00334
Calcium	0.99
Cobalt	0.0006
Chromium	0.0005
Copper	0.0012
Iron	0.24
Potassium	0.0218
Magnesium	0.35
Manganese	0.0123
Sodium	0.0939
Nickel	0.0048
Zinc	0.0169
Phosphorus	0.0729
Titanium	0.0040

DETAILS OF DISPOSAL (2018-19)

ANNEXURE – XIV

Hazardous Waste disposal in (2018-19)

Serial No:	Type of hazardous waste	Disposal of hazardous waste in MT per Annum(2018-19)
i	Used oil (in KL/Annum)	5.00 KL
ii	Waste containing oil	0.0
iii	Spent Pot Lining (Cathode residues)	4036.94
iv	Aluminium Dross	2032.0
v	Aluminium Dross (Residue)	2170.0
vi	Pot Duct Cleaning Waste	0
vii	Rejected lining of furnace (refractory)	0
viii	Rejected Refractory of furnace	0
ix	Shot Blasting Dust (Containing Fluoride)	91.5
x	Laddle cleaning residue	21.74
xi	Rejected filter Bags (FTP)	13.170
xii	Asbestos waste	1.010
xiii	Rejected AlF3 Bags	0
xiv	Fluoride contaminated waste (spilled waste from potline)	40.25
xv	Drain cleaning sludge	0
xvi	Floor sweeping & housekeeping waste	83.16
xvii	ETP sludge	7.210
xviii	Used Anode butts	19393.48
xix	Discarded container/Liners used for Hazardous chemicals	0

Disposal details of SPENT POT LINING (SPL) (2018-19) in MT

CHALLAN NO	DATE	TRUCK NO	QUANTITY (MT)	PARTY	MTD
7109	5.05.2018	OR15K 1519	15.46	GREEN ENERGY RESOURCES	
7110	5.05.2018	OD15D 5449	15.4	GREEN ENERGY RESOURCES	
7111	7.05.2018	OR15K 1519	16.17	GREEN ENERGY RESOURCES	
7112	7.05.2018	OD15D 5449	14.96	GREEN ENERGY RESOURCES	
7113	8.05.2018	OD15D	14.54	GREEN ENERGY	337.9

		5449		RESOURCES	
7114	8.05.2018	OD15D 5269	14.44	GREEN ENERGY RESOURCES	
7115	9.05.2018	OD15D 5269	15.39	GREEN ENERGY RESOURCES	
7116	10.05.2018	OD15D 5449	14.97	GREEN ENERGY RESOURCES	
7117	11.05.2018	OD15D 5449	14.72	GREEN ENERGY RESOURCES	
7118	17.05.2018	OD15D 5369	14.45	GREEN ENERGY RESOURCES	
7119	17.05.2018	OD15D 5263	15.35	GREEN ENERGY RESOURCES	
7120	19.05.2018	OD15D 5449	15.39	GREEN ENERGY RESOURCES	
7121	19.05.2018	OD15D 5369	15.49	GREEN ENERGY RESOURCES	
7122	21.05.2018	OD15D 5269	15.17	GREEN ENERGY RESOURCES	
7123	21.05.2018	OD15D 5449	15.43	GREEN ENERGY RESOURCES	
7124	28.05.2018	OR15K 1767	15.69	GREEN ENERGY RESOURCES	
7125	29.05.2018	OR15K 1767	15.77	GREEN ENERGY RESOURCES	
7126	29.05.2018	OR15K 1519	15.89	GREEN ENERGY RESOURCES	
7127	30.05.2018	OR15K 1767	15.45	GREEN ENERGY RESOURCES	
7128	30.05.2018	OR15K 1519	16.47	GREEN ENERGY RESOURCES	
7129	31.05.2018	OR15K 1767	15.61	GREEN ENERGY RESOURCES	
7130	31.05.2018	OR15K 1519	15.69	GREEN ENERGY RESOURCES	
7131	4.06.2018	OR15K 1519	16.45	GREEN ENERGY RESOURCES	
7132	4.06.2018	OR15K 1767	15.77	GREEN ENERGY RESOURCES	
7133	11.06.2018	OR15K 1519	16.41	GREEN ENERGY RESOURCES	
7134	11.06.2018	OR15K 1767	16.18	GREEN ENERGY RESOURCES	
7135	12.06.2018	OR15K 1767	15.88	GREEN ENERGY RESOURCES	
7136	12.06.2018	OR15K 1519	16.25	GREEN ENERGY RESOURCES	336.01

7137	13.06.2018	OR15K 1767	15.74	GREEN ENERGY RESOURCES	
7138	13.06.2018	OR15K 1519	16.42	GREEN ENERGY RESOURCES	
7139	15.06.2018	OR15K 1767	15.66	GREEN ENERGY RESOURCES	
7140	15.06.2018	OR15K 1519	16.48	GREEN ENERGY RESOURCES	
7141	16.06.2018	OR15K 1519	15.76	GREEN ENERGY RESOURCES	
7142	16.06.2018	OR15K 1767	15.49	GREEN ENERGY RESOURCES	
7143	18.06.2018	OR15K 1767	15.51	GREEN ENERGY RESOURCES	
7144	18.06.2018	OR15K 1519	16.26	GREEN ENERGY RESOURCES	
7145	20.06.2018	OR15K 1519	16.2	GREEN ENERGY RESOURCES	
7146	21.06.2018	OR15K 1519	15.2	GREEN ENERGY RESOURCES	
7147	25.06.2018	OR15K 1519	16.39	GREEN ENERGY RESOURCES	
7148	25.06.2018	OR15K 1767	15.29	GREEN ENERGY RESOURCES	
7149	26.06.2018	OR15K 1519	16.41	GREEN ENERGY RESOURCES	
7150	29.06.2018	OR15K 1519	16.31	GREEN ENERGY RESOURCES	
7653	29.06.2018	OR15K 1767	15.95	GREEN ENERGY RESOURCES	
7654	2.07.2018	OR15K 1767	15.8	GREEN ENERGY RESOURCES	
7655	5.07.2018	OR15K 1767	16.02	GREEN ENERGY RESOURCES	
7656	5.07.2018	OR15K 1519	16.31	GREEN ENERGY RESOURCES	
7657	10.07.2018	OR15K 1767	15.84	GREEN ENERGY RESOURCES	
7658	10.07.2018	OR15K 1519	16.57	GREEN ENERGY RESOURCES	
7659	12.07.2018	OR15K 1767	15.08	GREEN ENERGY RESOURCES	
7660	12.07.2018	OR15K 1519	16.15	GREEN ENERGY RESOURCES	
7661	16.07.2018	OR15K 1519	16.14	GREEN ENERGY RESOURCES	
7662	17.07.2018	OR15K	14.27	GREEN ENERGY	172.93

		1767		RESOURCES	
7663	24.07.2018	OR15K 1767	15.51	GREEN ENERGY RESOURCES	
7664	28.07.2018	OR15K 1767	15.24	GREEN ENERGY RESOURCES	
7665	7.08.2018	OR15K 1767	15.75	GREEN ENERGY RESOURCES	
7666	7.08.2018	OR15K 1519	15.51	GREEN ENERGY RESOURCES	
7667	9.08.2018	OR15K 1767	15.5	GREEN ENERGY RESOURCES	
7668	10.08.2018	OR15K 1767	15.36	GREEN ENERGY RESOURCES	
7669	13.08.2018	OR15K 1767	15.67	GREEN ENERGY RESOURCES	
7670	16.08.2018	OD15D 5309	15.2	GREEN ENERGY RESOURCES	
7671	17.08.2018	OR15K 1519	15.92	GREEN ENERGY RESOURCES	
7672	20.08.2018	OR15K 1519	16.39	GREEN ENERGY RESOURCES	
7673	21.08.2018	OR15K 1519	16.37	GREEN ENERGY RESOURCES	
7674	22.08.2018	OD15D 5449	10.15	GREEN ENERGY RESOURCES	
7675	23.08.2018	OR15K 1767	15.82	GREEN ENERGY RESOURCES	
7676	24.08.2018	OR15K 1767	16.55	GREEN ENERGY RESOURCES	
7677	27.08.2018	OR15K 1767	15.62	GREEN ENERGY RESOURCES	
7678	28.08.2018	OR15K 1767	15.37	GREEN ENERGY RESOURCES	
7679	29.08.2018	OR15K 1767	14.96	GREEN ENERGY RESOURCES	
7680	30.08.2018	OR15K 1767	15.06	GREEN ENERGY RESOURCES	245.2
7681	1.09.2018	OR15K 1767	16.76	GREEN ENERGY RESOURCES	
7682	7.09.2018	OR15K 1767	15.34	GREEN ENERGY RESOURCES	
7683	8.09.2018	OR15K 1767	15.88	GREEN ENERGY RESOURCES	
7684	8.09.2018	OD15D 5369	14.44	GREEN ENERGY RESOURCES	
7685	10.09.2018	OR15K 1767	16.1	GREEN ENERGY RESOURCES	445.76

7686	10.09.2018	OR15K 1539	16.51	GREEN ENERGY RESOURCES	
7687	11.09.2018	OR15K 1767	15.94	GREEN ENERGY RESOURCES	
7688	12.09.2018	OR15K 1519	16.28	GREEN ENERGY RESOURCES	
7689	12.09.2018	OR15K 1767	16.68	GREEN ENERGY RESOURCES	
7690	12.09.2018	OD15D 5309	13.91	GREEN ENERGY RESOURCES	
7691	15.09.2018	OR15K 1767	16.21	GREEN ENERGY RESOURCES	
7692	15.09.2018	OD15D 5269	15.15	GREEN ENERGY RESOURCES	
7693	18.09.2018	OR15K 1767	16.03	GREEN ENERGY RESOURCES	
7694	19.09.2018	OD15D 5269	15.31	GREEN ENERGY RESOURCES	
7695	21.09.2018	OR15K 1767	15.85	GREEN ENERGY RESOURCES	
7696	21.09.2018	OR15K 1519	16.09	GREEN ENERGY RESOURCES	
7697	22.09.2018	OD15D 5439	16.73	GREEN ENERGY RESOURCES	
7698	24.09.2018	OR15K 1767	16.17	GREEN ENERGY RESOURCES	
7699	25.09.2018	OR15K 1519	16.28	GREEN ENERGY RESOURCES	
1	25.09.2018	OR15K 1767	15.93	GREEN ENERGY RESOURCES	
2	25.09.2018	OR15K 1539	15.94	GREEN ENERGY RESOURCES	
3	26.09.2018	OR15K 1519	16.37	GREEN ENERGY RESOURCES	
4	26.09.2018	OR15K 1767	15.6	GREEN ENERGY RESOURCES	
5	27.09.2018	OR15K 1767	16.27	GREEN ENERGY RESOURCES	
6	27.09.2018	OR15K 1519	16.22	GREEN ENERGY RESOURCES	
7	28.09.2018	OR15K 1519	16.22	GREEN ENERGY RESOURCES	
8	28.09.2018	OR15K 1767	15.75	GREEN ENERGY RESOURCES	
9	29.09.2018	OR15K 1767	15.8	GREEN ENERGY RESOURCES	
10	1.10.2018	OD18B	14.86	GREEN ENERGY	764.61

		5429		RESOURCES	
11	1.10.2018	OD15B 5449	13.87	GREEN ENERGY RESOURCES	
12	3.10.2018	OR15K 1519	16.39	GREEN ENERGY RESOURCES	
13	3.10.2018	OR15K 1767	15.82	GREEN ENERGY RESOURCES	
14	4.10.2018	OR15K 1767	16.05	GREEN ENERGY RESOURCES	
15	4.10.2018	OR15K 1519	16.17	GREEN ENERGY RESOURCES	
16	5.10.2018	OR15K 1519	16.63	GREEN ENERGY RESOURCES	
17	5.10.2018	OR15K 1767	15.81	GREEN ENERGY RESOURCES	
18	6.10.2018	OR15K 1767	16.73	GREEN ENERGY RESOURCES	
19	8.10.2018	OR15K 1519	16.39	GREEN ENERGY RESOURCES	
20	8.10.2018	OR15K 1767	16	GREEN ENERGY RESOURCES	
21	9.10.2018	OR15K 1539	16.55	GREEN ENERGY RESOURCES	
22	9.10.2018	OR15K 1767	16.08	GREEN ENERGY RESOURCES	
23	10.10.2018	OR15K 1767	15.91	GREEN ENERGY RESOURCES	
24	10.10.2018	OR15K 1519	16.08	GREEN ENERGY RESOURCES	
25	11.10.2018	OR15K 1519	16.27	GREEN ENERGY RESOURCES	
26	11.10.2018	OR15K 1767	15.9	GREEN ENERGY RESOURCES	
27	12.10.2018	OR15K 1767	15.94	GREEN ENERGY RESOURCES	
28	12.10.2018	OR15K 1519	16.41	GREEN ENERGY RESOURCES	
29	13.10.2018	OR15K 1519	16.2	GREEN ENERGY RESOURCES	
30	13.10.2018	OR15K 1767	16	GREEN ENERGY RESOURCES	
31	15.10.2018	OR15K 1519	16.38	GREEN ENERGY RESOURCES	
32	15.10.2018	OR15K 1767	15.82	GREEN ENERGY RESOURCES	
33	16.10.2018	OR15K 1519	16.16	GREEN ENERGY RESOURCES	

34	16.10.2018	OR15K 1767	15.79	GREEN ENERGY RESOURCES	
35	17.10.2018	OR15K 1519	16.39	GREEN ENERGY RESOURCES	
36	17.10.2018	OR15K 1767	15.85	GREEN ENERGY RESOURCES	
37	18.10.2018	OR15K 1519	16.08	GREEN ENERGY RESOURCES	
38	18.10.2018	OR15K 1767	14.76	GREEN ENERGY RESOURCES	
39	20.10.2018	OR15K 1767	15.77	GREEN ENERGY RESOURCES	
40	22.10.2018	OR15K 1767	16.01	GREEN ENERGY RESOURCES	
41	22.10.2018	OR15K 1519	16.4	GREEN ENERGY RESOURCES	
42	23.10.2018	OR15K 1767	15.39	GREEN ENERGY RESOURCES	
43	23.10.2018	OR15K 1519	16.16	GREEN ENERGY RESOURCES	
44	24.10.2018	OR15K 1519	16.46	GREEN ENERGY RESOURCES	
45	24.10.2018	OR15K 1767	15.85	GREEN ENERGY RESOURCES	
46	25.10.2018	OR15K 1519	15.62	GREEN ENERGY RESOURCES	
47	25.10.2018	OR15K 1767	14	GREEN ENERGY RESOURCES	
48	26.10.2018	OR15K 1519	16.31	GREEN ENERGY RESOURCES	
49	26.10.2018	OR15K 1767	14.75	GREEN ENERGY RESOURCES	
50	27.10.2018	OR15K 1767	15.2	GREEN ENERGY RESOURCES	
51	27.10.2018	OR15K 1519	16.2	GREEN ENERGY RESOURCES	
52	29.10.2018	OR15K 1767	14.42	GREEN ENERGY RESOURCES	
53	29.10.2018	OR15K 1519	16.45	GREEN ENERGY RESOURCES	
54	30.10.2018	OR15K 1519	16.36	GREEN ENERGY RESOURCES	
55	30.10.2018	OR15K 1767	16.28	GREEN ENERGY RESOURCES	
56	31.10.2018	OR15K 1519	16.89	GREEN ENERGY RESOURCES	
57	31.10.2018	OR15K	16.8	GREEN ENERGY	

		1767		RESOURCES	
58	1.11.2018	OR15K 1767	15.89	GREEN ENERGY RESOURCES	
59	1.11.2018	OD18B 5429	15.55	GREEN ENERGY RESOURCES	
60	2.11.2018	OR15K 1767	15.86	GREEN ENERGY RESOURCES	
61	2.11.2018	OD15D 5309	15.38	GREEN ENERGY RESOURCES	
62	3.11.2018	OR15K 1767	17.16	GREEN ENERGY RESOURCES	
63	5.11.2018	OD18B 5429	14.82	GREEN ENERGY RESOURCES	
64	5.11.2018	OR15K 1767	15.46	GREEN ENERGY RESOURCES	
65	6.11.2018	OR15K 1519	16.78	GREEN ENERGY RESOURCES	
66	7.11.2018	OR15K 1767	16.56	GREEN ENERGY RESOURCES	
67	8.11.2018	OR15K 1519	15	GREEN ENERGY RESOURCES	
68	9.11.2018	OR15K 1767	16.42	GREEN ENERGY RESOURCES	
69	10.11.2018	OR15K 1767	15.11	GREEN ENERGY RESOURCES	
70	15.11.2018	OR15K 1767	16.16	GREEN ENERGY RESOURCES	
71	16.11.2018	OR15K 1767	15.84	GREEN ENERGY RESOURCES	
72	19.11.2018	OR15R 8219	15.4	GREEN ENERGY RESOURCES	
73	20.11.2018	OR15R 8219	15.62	GREEN ENERGY RESOURCES	
74	21.11.2018	OR15R 8219	15.68	GREEN ENERGY RESOURCES	
75	22.11.2018	OR15R 8219	15.53	GREEN ENERGY RESOURCES	
76	26.11.2018	OR15M 3979	17.05	GREEN ENERGY RESOURCES	
77	26.11.2018	OD18B 5399	15.51	GREEN ENERGY RESOURCES	316.78
78	1.12.2018	OR15K 1767	16.5	GREEN ENERGY RESOURCES	
79	3.12.2018	OD15D 5439	15.16	GREEN ENERGY RESOURCES	
80	4.12.2018	OD15D 5439	14.59	GREEN ENERGY RESOURCES	332.45

81	5.12.2018	OR15K 1767	15.4	GREEN ENERGY RESOURCES	
82	8.12.2018	OR15K 1519	16.47	GREEN ENERGY RESOURCES	
83	12.12.2018	OR15K 1767	16.03	GREEN ENERGY RESOURCES	
84	12.12.2018	OR15K 1519	17.23	GREEN ENERGY RESOURCES	
85	13.12.2018	OR15R 8219	14.26	GREEN ENERGY RESOURCES	
86	18.12.2018	OR15K 3989	14.67	GREEN ENERGY RESOURCES	
87	19.12.2018	OD18B 5429	15.51	GREEN ENERGY RESOURCES	
88	19.12.2018	OR15L 4329	18.9	GREEN ENERGY RESOURCES	
89	20.12.2018	OR15L 4329	15.64	GREEN ENERGY RESOURCES	
90	21.12.2018	OR15R 8219	15.82	GREEN ENERGY RESOURCES	
91	24.12.2018	OR15K 1519	16.6	GREEN ENERGY RESOURCES	
92	24.12.2018	OR15K 1767	16.07	GREEN ENERGY RESOURCES	
93	26.12.2018	OR15M 3979	16.28	GREEN ENERGY RESOURCES	
94	27.12.2018	OR15K 1767	15.73	GREEN ENERGY RESOURCES	
95	27.12.2018	OD15D 5269	13.5	GREEN ENERGY RESOURCES	
96	28.12.2018	OR15K 1767	15.79	GREEN ENERGY RESOURCES	
97	29.12.2018	OR15K 1767	15.56	GREEN ENERGY RESOURCES	
98	31.12.2018	OR15K 1767	16.74	GREEN ENERGY RESOURCES	
99	01.01.2019	OR15K 1767	14.23	GREEN ENERGY RESOURCES	
100	02.01.2019	OR15K 1767	15.49	GREEN ENERGY RESOURCES	
851	04.01.2019	OR15K 1519	17.78	GREEN ENERGY RESOURCES	
852	5.01.2019	OD15D 5269	15.77	GREEN ENERGY RESOURCES	
853	7.01.2019	OR15K 1767	16.21	GREEN ENERGY RESOURCES	
854	10.01.2019	OR15K	16.55	GREEN ENERGY	369.52

		1767		RESOURCES	
855	11.01.2019	OR15K 1767	15.76	GREEN ENERGY RESOURCES	
856	12.01.2019	OR15K 1767	16.91	GREEN ENERGY RESOURCES	
857	14.01.2019	OR15K 1767	15.91	GREEN ENERGY RESOURCES	
858	15.01.2019	OR15K 1767	17.29	GREEN ENERGY RESOURCES	
859	16.01.2019	OR15K 1767	16.02	GREEN ENERGY RESOURCES	
860	17.01.2019	OR15K 1767	15.43	GREEN ENERGY RESOURCES	
861	18.01.2019	OR15K 1767	16.44	GREEN ENERGY RESOURCES	
862	19.01.2019	OR15K 1767	16.7	GREEN ENERGY RESOURCES	
863	21.01.2019	OR15K 1767	16.03	GREEN ENERGY RESOURCES	
864	22.01.2019	OR15K 1767	16.09	GREEN ENERGY RESOURCES	
865	24.01.2019	OR15K 1767	16.2	GREEN ENERGY RESOURCES	
866	24.01.2019	OD18B 5399	14.09	GREEN ENERGY RESOURCES	
867	25.01.2019	OR15K 1767	14.2	GREEN ENERGY RESOURCES	
868	28.01.2019	OR15K 1767	16.97	GREEN ENERGY RESOURCES	
869	29.01.2019	OR15K 1767	16.63	GREEN ENERGY RESOURCES	
870	30.01.2019	OR15K 1767	16.78	GREEN ENERGY RESOURCES	
871	31.01.2019	OR15K 1767	16.04	GREEN ENERGY RESOURCES	
872	01.02.2019	OR15K 1767	15.17	GREEN ENERGY RESOURCES	
873	02.02.2019	OR15K 1767	16.05	GREEN ENERGY RESOURCES	
874	04.02.2019	OR15K 1767	16.34	GREEN ENERGY RESOURCES	
875	05.02.2019	OR15K 1767	15.96	GREEN ENERGY RESOURCES	
876	06.02.2019	OR15K 1767	16.06	GREEN ENERGY RESOURCES	
877	07.02.2019	OR15K 1767	16.31	GREEN ENERGY RESOURCES	347.13

878	08.02.2019	OR15K 1767	16.77	GREEN ENERGY RESOURCES	
879	11.02.2019	OR15R 8219	15.19	GREEN ENERGY RESOURCES	
880	12.02.2019	OR15R 8219	15.53	GREEN ENERGY RESOURCES	
881	12.02.2019	OR15K 1767	10.47	GREEN ENERGY RESOURCES	
882	13.02.2019	OR15K 1767	16.89	GREEN ENERGY RESOURCES	
883	14.02.2019	OR15K 1767	16	GREEN ENERGY RESOURCES	
884	15.02.2019	OR15K 1767	13.64	GREEN ENERGY RESOURCES	
885	18.02.2019	OR15K 1767	16.12	GREEN ENERGY RESOURCES	
886	19.02.2019	OR15K 1767	15.87	GREEN ENERGY RESOURCES	
887	20.02.2019	OR15K 1767	16.16	GREEN ENERGY RESOURCES	
888	21.02.2019	OR15K 1767	15.97	GREEN ENERGY RESOURCES	
889	22.02.2019	OD15D 5449	15.97	GREEN ENERGY RESOURCES	
890	23.02.2019	OR15K 1767	16.75	GREEN ENERGY RESOURCES	
891	25.02.2019	OR15K 1767	16.86	GREEN ENERGY RESOURCES	
892	26.02.2019	OR15K 1767	16.76	GREEN ENERGY RESOURCES	
893	28.02.2019	OR15K 1767	16.29	GREEN ENERGY RESOURCES	
894	1.03.2019	OR15K 1767	16.54	GREEN ENERGY RESOURCES	
895	2.03.2019	OR15K 1767	16.58	GREEN ENERGY RESOURCES	
896	4.03.2019	OR15K 1767	15.03	GREEN ENERGY RESOURCES	
897	5.03.2019	OD15D 5309	16.2	GREEN ENERGY RESOURCES	
898	5.03.2019	OR15K 1767	15.2	GREEN ENERGY RESOURCES	
899	6.03.2019	OR15K 1767	15.63	GREEN ENERGY RESOURCES	
900	7.03.2019	OD15D 5309	17.03	GREEN ENERGY RESOURCES	
1751	7.03.2019	OR15K	15.65	GREEN ENERGY	368.65

		1767		RESOURCES	
1752	8.03.2019	OR15K 1767	16.28	GREEN ENERGY RESOURCES	
1753	9.03.2019	OR15K 1767	16.91	GREEN ENERGY RESOURCES	
1754	11.03.2019	OR15K 1767	17.21	GREEN ENERGY RESOURCES	
1755	12.03.2019	OD15D 5309	15.73	GREEN ENERGY RESOURCES	
1756	12.03.2019	OR15K 1767	17.5	GREEN ENERGY RESOURCES	
1757	13.03.2019	OD15D 5309	15.88	GREEN ENERGY RESOURCES	
1758	14.03.2019	OD15D 5269	14.84	GREEN ENERGY RESOURCES	
1759	15.03.2019	OR15R 8219	14.63	GREEN ENERGY RESOURCES	
1760	16.03.2019	OR15K 1767	15.81	GREEN ENERGY RESOURCES	
1761	20.03.2019	OR15E 4533	16.97	GREEN ENERGY RESOURCES	
1762	21.03.2019	OR15K 1767	16.57	GREEN ENERGY RESOURCES	
1763	23.03.2019	OR15K 1767	15.5	GREEN ENERGY RESOURCES	
1764	26.03.2019	OR15R 8219	15.54	GREEN ENERGY RESOURCES	
1765	28.03.2019	OD18B 5449	16.16	GREEN ENERGY RESOURCES	
1766	30.03.2019	OD18B 5449	15.26	GREEN ENERGY RESOURCES	
		TOTAL	4036.94		

Detail Disposal of Aluminium Dross (2018-19) Quantities in MT

DETAILS OF ALUMINIUM DROSS DISPOSAL (2018-19)					
Sl. No	Challan No.	Date	Party Name	Truck No.	Quantity (MT)
1	ODHRM184D00051	19-May-18	A K ENTERPRISERS	OD04L 2715	25.3
2	ODHRM184D00052	22-May-18	A K ENTERPRISERS	OD15H 1465	21.07
3	ODHRM184D00053	23-May-18	TRADE WELL INDUSTRIES	OD15F 3965	16.08
4	ODHRM184D00055	25-May-18	A K ENTERPRISERS	OR05AP 5325	15.25
5	ODHRM184D00057	28-May-18	TRADE WELL INDUSTRIES	OR15L 7729	16.69
6	ODHRM184D00071	31-May-18	TRADE WELL INDUSTRIES	OR15M 2258	16.51

7	ODHRM184D00073	05-JUN-18	A.K ENTERPRISERS	OR15N 5887	14.63
8	ODHRM184D00074	05-JUN-18	TRADE WELL INDUSTRIES	OR15K 8000	15.04
9	ODHRM184D00076	07-JUN-18	TRADE WELL INDUSTRIES	OD15A 4727	16.81
10	ODHRM184D00079	09-JUN-18	TRADE WELL INDUSTRIES	OD15D 5727	16.12
11	ODHRM184D00080	13-JUN-18	TRADE WELL INDUSTRIES	OR15K 8000	16.17
12	ODHRM184D00084	13-JUN-18	MATRIACHHAYA INDUSTRIES	OD15E 8580	17.02
13	ODHRM184D00085	14-JUN-18	TRADE WELL INDUSTRIES	OR15M 0137	16.81
14	ODHRM184D00086	14-JUN-18	MATRIACHHAYA INDUSTRIES	OR15G 7456	16.61
15	ODHRM184D00088	16-JUN-18	TRADE WELL INDUSTRIES	OR15M 2258	15.61
16	ODHRM184D00089	16-JUN-18	MATRIACHHAYA INDUSTRIES	OD15D 0032	15.8
17	ODHRM184D00091	20-JUN-18	MATRIACHHAYA INDUSTRIES	OD15D 2195	15.64
18	ODHRM184D00089	20-JUN-18	MATRIACHHAYA INDUSTRIES	OR15N 8971	16.66
19	ODHRM184D00106	23-JUN-18	MATRIACHHAYA INDUSTRIES	OR09G 3352	15.6
20	ODHRM184D00119	04-JUL-18	MATRIACHHAYA INDUSTRIES	OD15E 8580	16
21	ODHRM184D00123	07-JUL-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	20.4
22	ODHRM184D00125	10-JUL-18	TRADE WELL INDUSTRIES	CG12AR 3783	24.68
23	ODHRM184D00129	12-JUL-18	MATRIACHHAYA INDUSTRIES	CG12AN 3650	21.63
24	ODHRM184D00130	13-JUL-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	20.81
25	ODHRM184D00132	17-JUL-18	MATRIACHHAYA INDUSTRIES	OR15N 8971	15.99
26	ODHRM184D00134	17-JUL-18	TRADE WELL INDUSTRIES	CG12AR 3783	25.44
27	ODHRM184D00135	19-JUL-18	MATRIACHHAYA INDUSTRIES	CG15AC 9800	21.72
28	ODHRM184D00137	19-JUL-18	TRADE WELL INDUSTRIES	CG12S 3038	20.13
29	ODHRM184D00141	23-JUL-18	TRADE WELL INDUSTRIES	CG12AR 3783	24.14
30	ODHRM184D00142	24-JUL-18	TRADE WELL INDUSTRIES	CG12AR 1895	23.26
31	ODHRM184D00148	26-JUL-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	20.39
32	ODHRM184D00154	27-JUL-18	MATRIACHHAYA INDUSTRIES	CG12AN 9242	21.17
33	ODHRM184D00155	30-JUL-18	MATRIACHHAYA INDUSTRIES	CG12S 3038	21.09
34	ODHRM184D00156	30-JUL-18	MATRIACHHAYA INDUSTRIES	CG15AC 9800	21.4
35	ODHRM184D00157	31-JUL-18	MATRIACHHAYA	CG12AR 1895	24.82

			INDUSTRIES		
36	ODHRM184D00158	31-JUL-18	TRADE WELL INDUSTRIES	CG12AT 3694	24.1
37	ODHRM184D00159	1-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	21.27
38	ODHRM184D00160	1-AUG-18	TRADE WELL INDUSTRIES	OR15S 0259	16.58
39	ODHRM184D00161	1-AUG-18	TRADE WELL INDUSTRIES	OR15M 7129	15.94
40	ODHRM184D00162	2-AUG-18	TRADE WELL INDUSTRIES	CG12AN 3650	21.26
41	ODHRM184D00165	3-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AN 9242	21.07
42	ODHRM184D00166	3-AUG-18	MATRIACHHAYA INDUSTRIES	OR15J 0355	16.91
43	ODHRM184D00167	3-AUG-18	TRADE WELL INDUSTRIES	OR15Q 2595	15.99
44	ODHRM184D00169	4-AUG-18	TRADE WELL INDUSTRIES	CG15AC 9800	20.85
45	ODHRM184D00170	4-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 3038	20.67
46	ODHRM184D00173	6-AUG-18	TRADE WELL INDUSTRIES	CG12AR 3783	25.22
47	ODHRM184D00174	6-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	20.99
48	ODHRM184D00175	6-AUG-18	TRADE WELL INDUSTRIES	CG12S 4979	20.43
49	ODHRM184D00176	6-AUG-18	TRADE WELL INDUSTRIES	OR15S 7785	15.86
50	ODHRM184D00177	7-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AR 8816	26.49
51	ODHRM184D00178	8-AUG-18	TRADE WELL INDUSTRIES	OR15L 7785	15.03
52	ODHRM184D00183	9-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AR 1895	25.68
53	ODHRM184D00184	9-AUG-18	TRADE WELL INDUSTRIES	CG12AT 3694	26.86
54	ODHRM184D00190	10-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AU 5153	25.66
55	ODHRM184D00191	10-AUG-18	TRADE WELL INDUSTRIES	CG12AN 3650	23.2
56	ODHRM184D00193	11-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 3038	21.17
57	ODHRM184D00194	11-AUG-18	TRADE WELL INDUSTRIES	CG15AC 9800	21.64
58	ODHRM184D00195	13-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AR 3783	27.14
59	ODHRM184D00196	13-AUG-18	TRADE WELL INDUSTRIES	CG12S 1230	11.09
60	ODHRM184D00199	14-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AU 5153	22.32
61	ODHRM184D00201	16-AUG-18	TRADE WELL INDUSTRIES	CG12AT 5231	24.79
62	ODHRM184D00202	16-AUG-18	MATRIACHHAYA INDUSTRIES	CG15AC 9800	21.27
63	ODHRM184D00204	17-AUG-18	TRADE WELL INDUSTRIES	CG12AR 3783	26.21
64	ODHRM184D00207	17-AUG-18	TRADE WELL INDUSTRIES	OR15S 3181	17.03
65	ODHRM184D00208	17-AUG-18	TRADE WELL INDUSTRIES	CG12S 3038	20.5
66	ODHRM184D00210	18-AUG-18	MATRIACHHAYA	CG12AU 5153	27.91

			INDUSTRIES		
67	ODHRM184D00221	23-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AR 1895	29.23
68	ODHRM184D00222	23-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AT 3694	30.81
69	ODHRM184D00224	23-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 4979	20.04
70	ODHRM184D00228	28-AUG-18	MATRIACHHAYA INDUSTRIES	CG12AN 3650	18.96
71	ODHRM184D00239	29-AUG-18	TRADE WELL INDUSTRIES	CG12S 3038	18.9
72	ODHRM184D00241	29-AUG-18	TRADE WELL INDUSTRIES	CG12AU 5153	28.67
73	ODHRM184D00242	30-AUG-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	22.14
74	ODHRM184D00251	30-AUG-18	TRADE WELL INDUSTRIES	OR15P 4559	16.2
75	ODHRM184D00256	31-AUG-18	TRADE WELL INDUSTRIES	CG12AN 9242	19.55
76	ODHRM184D00257	31-AUG-18	TRADE WELL INDUSTRIES	CG12AT 3694	29.9
77	ODHRM184D00260	31-AUG-18	TRADE WELL INDUSTRIES	OR15M 8252	16.71
78	ODHRM184D00261	31-AUG-18	TRADE WELL INDUSTRIES	CG12AU 5153	22.24
79	ODHRM184D00262	31-AUG-18	TRADE WELL INDUSTRIES	OR15M 5727	16.57
80	ODHRM184D00264	3-SEP-18	MATRIACHHAYA INDUSTRIES	CG12S 4979	21.53
81	ODHRM184D00265	3-SEP-18	MATRIACHHAYA INDUSTRIES	CG12AR 1895	22.46
82	ODHRM184D00267	4-SEP-18	TRADE WELL INDUSTRIES	CG12AN 3650	20.84
83	ODHRM184D00268	4-SEP-18	MATRIACHHAYA INDUSTRIES	OR15Q 2595	16.18
84	ODHRM184D00271	4-SEP-18	TRADE WELL INDUSTRIES	OR15K 8000	17.34
85	ODHRM184D00282	8-SEP-18	MATRIACHHAYA INDUSTRIES	CG12AT 3694	26.05
86	ODHRM184D00283	8-SEP-18	TRADE WELL INDUSTRIES	CG12S 2803	20.07
87	ODHRM184D00284	10-SEP-18	TRADE WELL INDUSTRIES	CG12AN 9242	20.19
88	ODHRM184D00285	10-SEP-18	MATRIACHHAYA INDUSTRIES	CG12S 1230	21.12
89	ODHRM184D00287	11-SEP-18	TRADE WELL INDUSTRIES	CG12AN 3650	18.72
90	ODHRM184D00288	11-SEP-18	TRADE WELL INDUSTRIES	CG15AC 9800	21.07
91	ODHRM184D00301	20-SEP-18	MATRIACHHAYA INDUSTRIES	CG04JA 8281	16.42
92	ODHRM184D00303	20-SEP-18	MATRIACHHAYA INDUSTRIES	OR15K 8000	14.36
93	ODHRM184D00305	20-SEP-18	MATRIACHHAYA INDUSTRIES	CG12AT 3694	21.89
94	ODHRM184D00315	24-SEP-18	MATRIACHHAYA INDUSTRIES	OD15F 3232	15.93
95	ODHRM184D00316	24-SEP-18	MATRIACHHAYA INDUSTRIES	CG12AT 3694	29.94

96	ODHRM184D00317	24-SEP-18	MATRIACHHAYA INDUSTRIES	OR15K 7011	16.75
97	ODHRM184D00655	26-FEB-19	SHIVAM METALLURGICALS PVT LTD	OR15M 5727	12.83
98	ODHRM184D00673	7-MAR-19	SHIVAM METALLURGICALS PVT LTD	OR15L 1783	16.39
99	ODHRM184D00674	8-MAR-19	SHIVAM METALLURGICALS PVT LTD	OR15N 7432	16.32
100	ODHRM184D00685	14-MAR-19	SHIVAM METALLURGICALS PVT LTD	OR15M 5727	16.35
101	ODHRM184D00693	15-MAR-19	SHIVAM METALLURGICALS PVT LTD	OR15N 4566	15.78
					2032.07

Despatch of Used Anode Butts to Aditya Aluminium(MT) in FY 18-19

2018-19	INTERPLANT DESPATCH	TOTAL
Month	LAPANGA(Aditya)	GRAND TOTAL
APR	1753.97	1753.97
MAY	1789.66	1789.66
JUNE	1549.92	1549.92
JULY	1477.47	1477.47
AUG	1831.51	1831.51
SEP	1602.03	1602.03
OCT	1528.88	1528.88
NOV	1423.45	1423.45
DEC	1801.43	1801.43
JAN	1457.78	1457.78
FEB	1464.37	1464.37
MAR	1713.01	1713.01
Yearly Cumulative (2018-19)		19393.48

DETAILS OF RAMKY DISPOSAL (2018-19)

DETAILS OF RAMKY DISPOSAL (2018-19)				
CHALLAN NO	DATE	TRUCK NO	QUANTITY (MT)	DESCRIPTION
8925	6.04.2018	OR09N 4628	15.78	ALUMINIUM DROSS RESIDUE
8926	6.04.2018	OR04H 3956	16.38	ALUMINIUM DROSS RESIDUE
8927	12.04.2018	OR04H 3956	16.37	ALUMINIUM DROSS RESIDUE
8928	12.04.2018	OR09N 4428	15.21	ALUMINIUM DROSS RESIDUE
8929	16.04.2018	OR04H 3956	16.41	ALUMINIUM DROSS RESIDUE
8930	17.04.2018	OR09N 4428	13.31	FLOOR SWEEPING DUST

8931	18.04.2018	OR04H 3956	16.2	ALUMINIUM DROSS RESIDUE
8932	19.04.2018	OR09N 4628	15.72	FLOOR SWEEPING DUST
8933	21.04.2018	OD09A 2994	14.8	FLOOR SWEEPING DUST
8934	18.06.2018	OD04B 9481	14.61	ALUMINIUM DROSS RESIDUE
8935	18.06.2018	OD04B 9471	13.95	ALUMINIUM DROSS RESIDUE
8936	21.06.2018	OD04B 9471	15.22	ALUMINIUM DROSS RESIDUE
8937	25.06.2018	OD04B 9471	14.61	ALUMINIUM DROSS RESIDUE
8938	25.06.2018	OD04B 9481	15.65	ALUMINIUM DROSS RESIDUE
8939	30.06.2018	OD04B 9481	15.91	ALUMINIUM DROSS RESIDUE
8940	30.06.2018	OD04B 9471	13.94	ALUMINIUM DROSS RESIDUE
8941	30.06.2018	OD04E 1551	14.96	ALUMINIUM DROSS RESIDUE
8942	2.07.2018	OD04B 9471	13.98	ALUMINIUM DROSS RESIDUE
8943	2.07.2018	OD04E 1551	13.49	ALUMINIUM DROSS RESIDUE
8944	2.07.2018	OD04B 9481	15.15	SHOT BLASTING DUST
8945	4.07.2018	OD04B 9481	15.53	ALUMINIUM DROSS RESIDUE
8946	4.07.2018	OD04B 9471	14.29	ALUMINIUM DROSS RESIDUE
8947	6.07.2018	OD04E 1551	15.69	ALUMINIUM DROSS RESIDUE
8948	6.07.2018	OD04B 9471	13.76	ALUMINIUM DROSS RESIDUE
8949	6.07.2018	OD04B 9481	14.27	ALUMINIUM DROSS RESIDUE
8950	9.07.2018	OD04B 9471	14.25	ALUMINIUM DROSS RESIDUE
9601	9.07.2018	OD04E 1551	16.12	ALUMINIUM DROSS RESIDUE
9602	11.07.2018	OR04H 3956	16.02	ALUMINIUM DROSS RESIDUE
9603	11.07.2018	OD15J 9720	19.92	ALUMINIUM DROSS RESIDUE
9604	13.07.2018	OR04H 3956	15.61	ALUMINIUM DROSS RESIDUE
9605	16.07.2018	OD15J 9720	20.63	ALUMINIUM DROSS RESIDUE
9606	17.07.2018	OR04H 3956	15.89	ALUMINIUM DROSS RESIDUE
9607	18.07.2018	OD15J 9720	20.43	ALUMINIUM DROSS RESIDUE
9608	19.07.2018	OR04H 3956	15.7	ALUMINIUM DROSS RESIDUE
9609	21.07.2018	OD15J 9720	20.56	FLOOR SWEEPING DUST
9610	24.07.2018	OD15J 9720	20.22	ALUMINIUM DROSS RESIDUE
9611	24.07.2018	OR04H 3956	15.26	SHOT BLASTING DUST
9612	25.07.2018	OD15J 9719	18.77	FLOOR SWEEPING DUST
9613	30.07.2018	OD15J 9720	21.01	ALUMINIUM DROSS RESIDUE
9614	13.08.2018	OD15J 9720	20.96	ALUMINIUM DROSS RESIDUE
9615	16.08.2018	OD15J 9720	21.16	ALUMINIUM DROSS RESIDUE
9616	22.08.2018	OD15J 9719	20.59	ALUMINIUM DROSS RESIDUE
9617	22.08.2018	OR04H 3956	16.43	ALUMINIUM DROSS RESIDUE
9618	27.08.2018	OR04H 3956	15.72	ALUMINIUM DROSS RESIDUE
9619				
9620	29.08.2018	OD15J 9719	20.65	ALUMINIUM DROSS RESIDUE
9621	31.08.2018	OD15J 9720	21.07	ALUMINIUM DROSS RESIDUE

9622	24.09.2018	OD15J 9720	20.63	ALUMINIUM DROSS RESIDUE
9623	24.09.2018	OD15J 9719	20.9	ALUMINIUM DROSS RESIDUE
9624	3.10.2018	OD15L 6610	19.21	ALUMINIUM DROSS RESIDUE
9625	3.10.2018	OD15L 6607	18.82	ALUMINIUM DROSS RESIDUE
9626	6.10.2018	OD15L 6608	19.53	ALUMINIUM DROSS RESIDUE
9627	6.10.2018	OD15L 6607	18.51	ALUMINIUM DROSS RESIDUE
9628	6.10.2018	OD15L 6610	19.63	ALUMINIUM DROSS RESIDUE
9629	09.10.2018	OD15L 6607	19.27	ALUMINIUM DROSS RESIDUE
9630	11.10.2018	OD15L 6609	20.37	ALUMINIUM DROSS RESIDUE
9631	11.10.2018	OD15L 6608	19.39	SHOT BLASTING DUST
9632	15.10.2018	OD15L 6609	20.09	ALUMINIUM DROSS RESIDUE
9633	17.10.2018	OD15L 6609	20.47	ALUMINIUM DROSS RESIDUE
9635	22.10.2018	OD15L 6609	20.83	ALUMINIUM DROSS RESIDUE
9636	24.10.2018	OD15L 6610	20.48	ALUMINIUM DROSS RESIDUE
9637	24.10.2018	OD15L 6608	19.94	ALUMINIUM DROSS RESIDUE
9638	25.10.2018	OD15L 6609	19.99	ALUMINIUM DROSS RESIDUE
9639	29.10.2018	OD15L 6609	20.15	ALUMINIUM DROSS RESIDUE
9640	29.10.2018	OD15L 6608	20.68	ALUMINIUM DROSS RESIDUE
9641	31.10.2018	OD15L 6610	20.93	ALUMINIUM DROSS RESIDUE
9642	31.10.2018	OD15L 6607	20.32	ALUMINIUM DROSS RESIDUE
9643	2.11.2018	OD15L 6607	21.24	ALUMINIUM DROSS RESIDUE
9644	2.11.2018	OD15L 6610	21.21	ALUMINIUM DROSS RESIDUE
9645	5.11.2018	OD15L 6610	20.46	ALUMINIUM DROSS RESIDUE
9646	9.11.2018	OD15L 6610	20.6	ALUMINIUM DROSS RESIDUE
9647	12.11.2018	OD15L 6609	20.79	ALUMINIUM DROSS RESIDUE
9648	12.11.2018	OD15L 6610	21.14	ALUMINIUM DROSS RESIDUE
9649	15.11.2018	OD15L 6608	20.94	ALUMINIUM DROSS RESIDUE
151	19.11.2018	OD15L 6609	19	ALUMINIUM DROSS RESIDUE
152	20.11.2018	OD15L 6610	20.38	ALUMINIUM DROSS RESIDUE
153	26.11.2018	OD15L 6607	21.1	ALUMINIUM DROSS RESIDUE
154	26.11.2018	OD15L 6608	19.2	ALUMINIUM DROSS RESIDUE
155	3.12.2018	OD15L 6609	19.52	ALUMINIUM DROSS RESIDUE
156	3.12.2018	OD15L 6607	19.28	ALUMINIUM DROSS RESIDUE
157	4.12.2018	OD15L 6608	20.08	ALUMINIUM DROSS RESIDUE
158	4.12.2018	OD15L 6610	20.83	ALUMINIUM DROSS RESIDUE
159				
160	6.12.2018	OD15L 6609	20.59	SHOT BLASTING DUST
161	10.12.2018	OD15L 6608	20.92	ALUMINIUM DROSS RESIDUE
162	10.12.2018	OD15L 6609	20.92	ALUMINIUM DROSS RESIDUE
163	14.12.2018	OD15L 6608	19.7	ALUMINIUM DROSS RESIDUE
164	19.12.2018	OD15L 6608	20.75	ALUMINIUM DROSS RESIDUE

165	21.12.2018	OD15L 6608	20.7	ALUMINIUM DROSS RESIDUE
166	26.12.2018	OD15L 6609	19.14	ALUMINIUM DROSS RESIDUE
167	28.12.2018	OD15L 6610	20.28	ALUMINIUM DROSS RESIDUE
168	4.01.2019	OD15L 6608	21.71	ALUMINIUM DROSS RESIDUE
169	4.01.2019	OD15L 6607	21.78	ALUMINIUM DROSS RESIDUE
170	7.01.2019	OD15L 6609	20.41	ALUMINIUM DROSS RESIDUE
171	7.01.2019	OD15L 6607	20.1	ALUMINIUM DROSS RESIDUE
172	7.01.2019	OD15L 6610	22.99	ALUMINIUM DROSS RESIDUE
173	16.01.2019	OD15L 6608	19.72	ALUMINIUM DROSS RESIDUE
174	16.01.2019	OD15L 6609	20.45	ALUMINIUM DROSS RESIDUE
175	25.01.2019	OD15L 6609	19.8	ALUMINIUM DROSS RESIDUE
176	28.01.2019	OD15L 6610	20.7	ALUMINIUM DROSS RESIDUE
177	30.01.2019	OD15L 6607	20.76	ALUMINIUM DROSS RESIDUE
178	31.01.2019	OD15L 6608	18.12	ALUMINIUM DROSS RESIDUE
179	04.02.2019	OD15L 6609	18.38	ALUMINIUM DROSS RESIDUE
180	04.02.2019	OD15L 6610	19.83	ALUMINIUM DROSS RESIDUE
181	06.02.2019	OD15L 6607	19.86	ALUMINIUM DROSS RESIDUE
182	06.02.2019	OD15L 6608	20.11	ALUMINIUM DROSS RESIDUE
183	9.02.2019	OD15L 6607	19.54	ALUMINIUM DROSS RESIDUE
184	12.02.2019	OD15L 6607	19.13	ALUMINIUM DROSS RESIDUE
185	14.02.2019	OD15L 6607	19.59	ALUMINIUM DROSS RESIDUE
186	19.02.2019	OD15L 6609	20.06	ALUMINIUM DROSS RESIDUE
187	19.02.2019	OD15L 6610	19.77	ALUMINIUM DROSS RESIDUE
188	22.02.2019	OD15L 6609	19.72	ALUMINIUM DROSS RESIDUE
189	22.02.2019	OD15L 6608	20.65	ALUMINIUM DROSS RESIDUE
192	25.02.2019	OD15L 6610	21.11	SHOT BLASTING DUST
190	26.02.2019	OD15L 6608	21.72	ALUMINIUM DROSS RESIDUE
191	28.02.2019	OD15L 6609	21.25	ALUMINIUM DROSS RESIDUE
193	2.03.2019	OD15L 6609	19.88	ALUMINIUM DROSS RESIDUE
194	4.03.2019	OD15L 6609	19.6	ALUMINIUM DROSS RESIDUE
195	6.03.2019	OD15L 6607	20.18	ALUMINIUM DROSS RESIDUE
196	8.03.2019	OD15L 6608	21.98	ALUMINIUM DROSS RESIDUE
197	11.03.2019	OD15L 6610	19.57	ALUMINIUM DROSS RESIDUE
198	13.03.2019	OD15L 6607	20.53	ALUMINIUM DROSS RESIDUE
199	16.03.2019	OD15L 6608	20.6	ALUMINIUM DROSS RESIDUE
1001	19.03.2019	OD15L 6609	20.08	ALUMINIUM DROSS RESIDUE
1002	25.03.2019	OD15L 6607	20.82	ALUMINIUM DROSS RESIDUE
1003	27.03.2019	OD15L 6608	23.12	ALUMINIUM DROSS RESIDUE
		TOTAL	2344.69	