

November 10, 2023

BSE Limited National Stock Exchange of India Limited Scrip Code: 500440 Scrip Code: HINDALCO Luxembourg Stock Exchange Scrip Code: US4330641022

<u>Sub:</u> Disclosure of Related Party Transactions for the half-year ended September 30, 2023 **Ref:**

- a. Regulation 23(9) of Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 ('Listing Regulations')
- b. ISIN: INE038A01020 & INE038A08124

Please find enclosed herewith ('Annexure A') the disclosure of Related Party Transactions for the half-year ended September 30, 2023, in the specified format.

Kindly take the same on your record.

Sincerely,

for Hindalco Industries Limited

Geetika Anand Company Secretary & Compliance Officer

Encl: a/a

Rs. in crore

Annexure - A

Additional disclosure of related party transactions - applicable only in case the related party transaction relates to loans, inter-corporate deposits, advances or investments made or given by the listed entity/subsidiary. These details need to be disclosed only once, during the reporting period when such transaction was undertaken.

	Details of the party /subsidiary) entering int		Details of the	counterparty			Value of the related party transaction as approved by the audit committee	Remarks for audit committee approval	Value of transaction during the reporting period	In case monie: either party a the trans	s a result of	incurred to m	inancial indebte ake or give loan deposits, advan investments	ıns, inter-	C	Details of the loans, in	er-corporate deposi	its, advances or investments
S. No	Name	PAN	Name	PAN	Relationship of the counterparty with the listed entity or its subsidiary	Type of related party transaction	saction			Opening balance	Closing balance	Nature of indebtedness (loan/ issuance of debt/ any other etc.)	Cost		Nature (loan/ advance/ inter- corporate deposit/ investment	e (%) Tenure	Secured/ unsecured	Purpose for which the funds will be utilised by the ultimate recipient of funds (end-usage)
1	Hindalco Industries Limited		Aditya Birla Ahura Centre Management Pvt. Limited.		Associate company of promoter	Services received	0.10	The Audit Committee has approved aggregate limit for all transactions with Aditya Birla Ahura Centre Management Pvt. Limited. as stated in the statement	0.00	0.00	0.00							
2			Aditya Birla Management Corporation		Interest of Directors in Pvt Ltd Co.			The Audit Committee has approved aggregate limit for all transactions with Aditya Birla Management Corporation Private Limited as stated in the statement										
3	Hindalco Industries Limited		Private Limited Aditya Birla Management Corporation		Interest of Directors in Pvt	Advances Given Reimbursement of		Refer Sr No. 2	0.00	87.81	87.81							
3	Hindalco Industries Limited		Private Limited Aditya Birla Management Corporation		Ltd Co. Interest of Directors in Pvt	Expense/(Recovery)		Refer Sr No. 2	0.00	0.50	0.07			+ +				
4	Hindalco Industries Limited		Private Limited Aditya Birla Management Corporation		Ltd Co. Interest of Directors in Pvt	Services received		Refer Sr No. 2	385.91	-89.60	3.61							
5	Hindalco Industries Limited		Private Limited			Services rendered	50.00	The Audit Committee has approved	5.82	0.00	2.24							
6	Hindalco Industries Limited		Aditya Birla Renewables Solar Limited		, associate Company	Investments Made		aggregate limit for all transactions with Aditya Birla Renewables Solar Ltd as stated in the statement	0.00	67.40	67.40							
7	Hindalco Industries Limited		Aditya Birla Renewables Solar Limited		Associate Company	Purchase of Goods		Refer Sr No. 6	9.85	-2.88	-1.58							
8			Aditya Birla Renewables Subsidiary LTD		Associate Company		30.00	The Audit Committee has approved aggregate limit for all transactions with Aditya Birla Renewables Subsidiary Ltd as stated in the statement										
0	Hindalco Industries Limited		(Solar Power SPV at Aditya Aluminium) Aditya Birla Renewables Subsidiary LTD		Associate Company	Dividend received		Refer Sr No. 8	0.52	0.00	0.00			+ +				
7	Hindalco Industries Limited		(Solar Power SPV at Aditya Aluminium) Aditya Birla Renewables Subsidiary LTD	+		Investments Made		Refer Sr No. 8	0.00	<i>7</i> .12	7.12			+ +				
10	Hindalco Industries Limited		(Solar Power SPV at Aditya Aluminium)		Associate Company	Purchase of Goods	30.00	The Audit Committee has approved aggregate limit for all transactions with	6.92	-1.17	-0.74					On Demand	Unsecured	R&D
11	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Deposits Given		Aditya Birla Science and Technology Company Private Limited as stated in the statement	0.00	28.55	26.00			Ir	nter-corporate deposit 7.10%			
12	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Interest received		Refer Sr No. 11	1.00	0.00	0.91							
13	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Investments Made		Refer Sr No. 11	0.00	110.00	110.00							
14	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Investments, Deposits, Ioans & advances received back during the Period		Refer Sr No. 11	2.55	0.00	0.00							
15	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Reimbursement of Expense/(Recovery)		Refer Sr No. 11	0.00	-0.12	-0.20							
16	Hindalco Industries Limited		Aditya Birla Science and Technology Company Private Limited		Associate Company	Services received		Refer Sr No. 11	8.47	0.01	-0.92							
17	Hindalco Industries Limited		AV Minerals (Netherlands) N.V.		Wholly owned subsidiary	Investments Made		NA	0.00	9155.20	9155.20							
18	Hindalco Industries Limited		Birla Copper Asoj Private Limited		Wholly owned subsidiary	Deposits Given		NA	0.00	137.23	122.73			lr	nter-corporate deposit 8.00%	Till December,	202 Unsecured	Advance
19	Hindalco Industries Limited		Birla Copper Asoj Private Limited		Wholly owned subsidiary	Interest received		NA	5.36									
20			Diale Company April Data and Discissed			Investments, Deposits, loans & advances received back during the		NA										
21	Hindalco Industries Limited Hindalco Industries Limited		Birla Copper Asoj Private Limited Birla Copper Asoj Private Limited		Wholly owned subsidiary	Period Purchase of Goods		NA	0.50	0.00	0.00							
22	Hindalco Industries Limited		Birla Copper Asoj Private Limited		Whally award subsidiary	Sale of Goods		NA	90.70	35.88								
23	Hindalco Industries Limited		Birla Copper Asoj Private Limited Birla Copper Asoj Private Limited		Wholly owned subsidiary	Services received		NA	31.37									
24	Hindalco Industries Limited				Wholly owned subsidiary	Deposits Given		NA										
25			Birla Group Holdings Private Limited		Wholly owned subsidiary	<u> </u>		NA	0.00	0.00	4.16							
26	Hindalco Industries Limited		Birla Group Holdings Private Limited		Trust/Fund Controlled by		15.00	Trust controlled by Company	0.01	0.00	0.00							
27	Hindalco Industries Limited		Copper Jan Seva Trust		Trust/Fund Controlled by	Contribution to Trust		Trust controlled by Company	0.00	5.63	0.00							
28	Hindalco Industries Limited		Copper Jan Seva Trust		Hindalco wholly owned subsidiary	Services received Guarantees and Collateral		NA	3.16		7.43							
20	Hindalco Industries Limited		Dahej Harbour and Infrastructure Limited		wholly owned subsidiary	Securities		NA	0.00		4.50							
30	Hindalco Industries Limited		Dahej Harbour and Infrastructure Limited			Investments Made Licence & Lease agreements -		NA	0.00									
31	Hindalco Industries Limited		Dahej Harbour and Infrastructure Limited		wholly owned subsidiary	Licence Fees		NA	0.00	0.00	0.00							
32	Hindalco Industries Limited		Dahej Harbour and Infrastructure Limited		wholly owned subsidiary	Services received		NA	12.81	-3.48	-3.68							
22	Hindalco Industries Limited		Dahej Harbour and Infrastructure Limited East Coast Bauxite Mining Company Private	1	Subsdiary Company	Services rendered		NA	0.07	0.00								
34	Hindalco Industries Limited		Limited East Coast Bauxite Mining Company Private		Subsdiary Company	Advances Given		NA	0.00	0.05	0.05							
25	Hindalco Industries Limited		Limited			Investments Made		NA	0.00	0.01	0.01							
35	Hindalco Industries Limited	<u> </u>	Grasim Industries Limited		Promoter group	Dividend received			28.22	0.00	0.00							

36 Hindalco Industries Limited	Grasim Industries Limited	Promoter group	Investments Made	NA NA	0.00 460	7.88	5481.93				
				955.00 The Audit Committee has approved	0.00	,,	0.1011.70				
37		Promoter group		aggregate limit for all transactions with Grasim Industries Limited as stated in the							
Hindalco Industries Limited	Grasim Industries Limited		Purchase of Goods Purchase of property and other	statement Refer Sr No. 37	243.71 -1	<i>7</i> .13	-15.79				
Hindalco Industries Limited	Grasim Industries Limited	Promoter group	assets		0.00 -	-0.03	-0.03				
39 Hindalco Industries Limited	Grasim Industries Limited	Promoter group	Reimbursement of Expense/(Recovery)	Refer Sr No. 37	0.11	0.02	-0.01				
40		Promoter group		Refer Sr No. 37							
Hindalco Industries Limited	Grasim Industries Limited		Sale of Goods	Refer Sr No. 37	98.60 -	-0.54	32.79				
Hindalco Industries Limited	Grasim Industries Limited	Promoter group	Services received	Refer Sr No. 37	0.13	0.00	0.00				
Hindalco Industries Limited	Grasim Industries Limited	Promoter group	Services rendered		0.04	0.01	0.03				
43 Hindalco Industries Limited	Hindalco Almex Aerospace Limited	Subsidiary Company	Interest received	Refer Sr No. 37	0.03	0.00	0.00				
	, made of the original and the original			100.00 The Audit Committee has approved	0.00	0.00	0.00				
44		Subsidiary Company		aggregate limit for all transactions with Hindalco-Almex Aerospace Limited as							
Hindalco Industries Limited	Hindalco Almex Aerospace Limited		Investments Made	stated in the statement Refer Sr No. 43	0.00 8	33.24	83.24				
Hindalco Industries Limited	Hindalco Almex Aerospace Limited	Subsidiary Company	Purchase of Goods		4.26	0.00	-1.78				
46 Hindalco Industries Limited	Hindalco Almex Aerospace Limited	Subsidiary Company	Reimbursement of Expense/(Recovery)	Refer Sr No. 43	0.00	0.01	0.00				
47 Hindalco Industries Limited	Hindula Almay Aaysan na Limitad	Subsidiary Company	Sale of Goods	Refer Sr No. 43	21.42	0.20	0.42				
48	Hindalco Almex Aerospace Limited	Subsidiary Company		Refer Sr No. 43		0.39	0.42				
Hindalco Industries Limited	Hindalco Almex Aerospace Limited	Fund Controlled by	Services rendered	Trust controlled by Company	0.02	0.01	0.01				
49 Hindalco Industries Limited	Hindalco Employee's Gratuity Fund,Kolkata	Hindalco	Contribution to Trust		13.71	0.00	0.00				
50 Hindalco Industries Limited	Hindalco Employee's Gratuity Fund,Renukoot	Fund Controlled by Hindalco	Contribution to Trust	Trust controlled by Company	22.22	0.00	0.00				
51	Hindalco Employee's Provident Fund	Fund Controlled by		Fund controlled by the Company							
Hindalco Industries Limited	Institution,Renukoot Hindalco Industries Limited	Hindalco Fund Controlled by	Contribution to Trust	Fund controlled by the Company		0.00	0.00		+ + -		
Hindalco Industries Limited	Employees, Providend Fund II Hindalco Industries Limited Senior	Hindalco	Contribution to Trust	Fund controlled by the Company	38.64	0.00	0.00				
Hindalco Industries Limited	Management Staff Pension Fund, II	Fund Controlled by Hindalco	Contribution to Trust		2.53	0.00	0.00				
54 Hindalco Industries Limited	Hindalco Jan Seva Trust	Trust Controlled by Hindalco	Advances Given	Trust controlled by Company	0.00	0.11	0.13				
55		Trust Controlled by		Trust controlled by Company					 		
Hindalco Industries Limited	Hindalco Jan Seva Trust		Contribution to Trust	NA NA	0.54	0.00	0.00				
56 Hindalco Industries Limited	Hindalco K.K. Japan	Wholly owned subsidiary	Advances Given		0.00	0.00	0.00				
Hindalco Industries Limited	Hindalco K.K. Japan	Wholly owned subsidiary	Investments Made	NA NA	0.69	1.83	2.52				
58 Hindalco Industries Limited	Hindalco Superanuation Scheme,Renukoot	Trusr/fund controlled by Hindalco	Contribution to Trust	NA	3.76	0.00	0.00				
50		Wholly owned subsidiary		NA NA	5.70	0.00	0.00				
Hindalco Industries Limited	Illustration Clab at Ation water (CAARII) limited	THOM SWILL SUBSICION Y					•	•	1	•	
i inidateo ilidosiries Liffilled	Hydromine Global Minerals (GMBH) Limited		Investments Made	NA NA	0.00	0.00	0.00				
60 Hindalco Industries Limited	Kosala Livelihood and Social Foundation	Wholly owned subsidiary	Investments Made			4.00	0.00 4.75				
60		Wholly owned subsidiary	Investments Made	NA NA	0.75						
60 Hindalco Industries Limited 61 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation	Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods		0.75 0.17 -	4.00	4.75 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited	Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given	NA	0.75 0.17 -	4.00 -0.06 0.18	0.00 0.18		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation	Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made	NA NA	0.75 0.17 -	4.00	4.75 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited	Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given	NA NA NA NA	0.75 0.17 - 0.00 0.00	4.00 -0.06 0.18	0.00 0.18		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements -	NA NA NA	0.75 0.17 - 0.00 0.00	4.00 -0.06 0.18 9.90 0.00	4.75 0.00 0.18 9.90 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received	NA NA NA NA	0.75 0.17 - 0.00 0.00 0.00	4.00 -0.06 0.18 9.90 0.00	4.75 0.00 0.18 9.90 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made	NA NA NA NA NA NA	0.75 0.17 - 0.00 0.00 0.00 0.28	4.00 -0.06 0.18 9.90 0.00	4.75 0.00 0.18 9.90 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received	NA NA NA NA NA NA NA NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00	4.00 -0.06 0.18 9.90 0.00	4.75 0.00 0.18 9.90 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made	NA	0.75 0.17 - 0.00 0.00 0.00 0.28 0.00 27.63	4.00 -0.06 -0.18 9.90 -0.00 -0.00	4.75 0.00 0.18 9.90 0.00 -0.02		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited	Wholly owned subsidiary Uholly owned subsidiary Wholly owned subsidiary Joint Venture	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made	NA NA NA NA NA NA NA NA	0.75 0.17 - 0.00 0.00 0.00 0.28 0.00 27.63 0.00	4.00 -0.06 -0.18 9.90 0.00 0.17 5.68 5.27	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc	Wholly owned subsidiary Joint Venture Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70	4.00 -0.06 -0.18 9.90 -0.00 0.00 0.17 5.68 5.27 -7.54	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70	4.00 -0.06 -0.18 9.90 0.00 0.17 5.68 5.27	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc	Wholly owned subsidiary Joint Venture Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 -	4.00 -0.06 -0.18 9.90 -0.00 0.00 0.17 5.68 5.27 -7.54	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc	Wholly owned subsidiary Joint Venture Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Services received	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -7.54 -7.54 -0.00 -1.27 -3.10	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27		Advance	0.00%	Till termination Unsecured Security
Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH Novelis PAE SAS	Wholly owned subsidiary Joint Venture Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -7.54 -7.54 -0.00 -1.27 -3.10 -1.55	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -7.54 -7.54 -0.00 -1.27 -3.10	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27		Advance	0.00%	Till termination Unsecured Security
Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH Novelis PAE SAS	Wholly owned subsidiary Joint Venture Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -7.54 -7.54 -0.00 -1.27 -3.10 -1.55	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10		Advance	0.00%	Till termination Unsecured Security
Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH Novelis PAE SAS Novelis PAE SAS	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -5.68 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27		Advance	0.00%	Till termination Unsecured Security
Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH Novelis PAE SAS Novelis PAE SAS	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -5.68 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27		Advance	0.00%	Till termination Unsecured Security
Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Koblenz GmbH Novelis PAE SAS Novelis PAE SAS	Wholly owned subsidiary Promoter group	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Services received Advances Given Purchase of Goods	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 1.37 - 0.00 4.20 - 0.42	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -5.68 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 1.37 - 0.00 4.20 - 0.42 - 0.42	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -0.17 -5.68 -5.27 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83 -0.48	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited	Wholly owned subsidiary Promoter group	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements -	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20 - 0.42 - 0.15 0.00 3	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -1.27 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83 -0.48 -0.00	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 78 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited	Wholly owned subsidiary Joint Venture Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 0.13 0.00 1.37 0.00 4.20 0.42 0.15 0.00 3.70 0.15	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.10 1.55 -3.83 -0.48 0.00 34.25	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements -	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 0.13 0.00 1.37 0.00 4.20 0.42 0.15 0.00 3.70 0.15	4.00 -0.06 -0.18 -0.00 -0.00 -0.00 -1.27 -7.54 -0.00 -1.27 -3.10 -1.55 -3.83 -0.48 -0.00	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 78 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited	Wholly owned subsidiary Joint Venture Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees	NA N	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 0.13 0.00 1.37 0.00 4.20 0.42 0.42 0.15 0.00 3.70 0.15	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.10 1.55 -3.83 -0.48 0.00 34.25	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00		Advance Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 79 Hindalco Industries Limited 79 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees Services received	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20 - 0.42 - 0.42 - 0.05 0.00 3.70 - 0.00 3.70 - 0.00 4.20 - 0.00 3.70 - 0.00 4.20 - 0.00 3.70 - 0.00 4.20 - 0.00 0.00 0.00	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.83 -0.48 0.00 34.25 0.00 0.00	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 79 Hindalco Industries Limited 79 Hindalco Industries Limited 80 Hindalco Industries Limited	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited Renuka Investments & Finance Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees Services received	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20 - 0.42 - 0.42 - 0.042 - 0.00 3.70 - 0.00 4.20 - 0.00 0.00 0.00	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.83 -0.48 0.00 34.25 0.00 0.00	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00 0.00		Advance	0.00%	Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 79 Hindalco Industries Limited 79 Hindalco Industries Limited 80 Hindalco Industries Limited 81	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Licence Fees Services received	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 - 0.13 0.00 - 1.37 - 0.00 4.20 - 0.42 - 0.42 - 0.042 - 0.00 3.70 - 0.00 4.20 - 0.00 0.00 0.00	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.83 -0.48 0.00 34.25 0.00 4.80	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00 4.80		Advance Advance	0.00%	Till termination Unsecured Security Till termination Unsecured Security
60 Hindalco Industries Limited 61 Hindalco Industries Limited 62 Hindalco Industries Limited 63 Hindalco Industries Limited 64 Hindalco Industries Limited 65 Hindalco Industries Limited 66 Hindalco Industries Limited 67 Hindalco Industries Limited 68 Hindalco Industries Limited 69 Hindalco Industries Limited 70 Hindalco Industries Limited 71 Hindalco Industries Limited 72 Hindalco Industries Limited 73 Hindalco Industries Limited 74 Hindalco Industries Limited 75 Hindalco Industries Limited 76 Hindalco Industries Limited 77 Hindalco Industries Limited 78 Hindalco Industries Limited 79 Hindalco Industries Limited 79 Hindalco Industries Limited 80 Hindalco Industries Limited 81	Kosala Livelihood and Social Foundation Kosala Livelihood and Social Foundation Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Lucknow Finance Company Limited Minerals & Minerals Limited Minerals & Minerals Limited MNH Shakti Limited Novelis Global Employment Organization Inc Novelis Inc Novelis Inc Novelis PAE SAS Novelis PAE SAS Novelis PAE SAS Pilani Investments and Industries Corporation Limited Renuka Investments & Finance Limited	Wholly owned subsidiary	Investments Made Purchase of Goods Deposits Given Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Purchase of Goods Investments Made Services received Purchase of Goods Services received Advances Given Purchase of Goods Purchase of property and other assets Services rendered Investments Made Licence & Lease agreements - Licence Fees Services received Investments Made Licence Fees Services received	NA	0.75 0.17 0.00 0.00 0.00 0.28 0.00 27.63 0.00 3.70 0.13 0.00 1.37 0.00 4.20 0.42 0.42 0.15 0.00 3.70 0.15 0.00 0.00 0.00	4.00 -0.06 0.18 9.90 0.00 0.17 5.68 5.27 -7.54 0.00 1.55 -3.83 -0.48 0.00 34.25 0.00 4.80	4.75 0.00 0.18 9.90 0.00 -0.02 0.17 12.74 5.27 -4.94 -0.13 -1.29 -0.27 1.10 -4.27 -0.20 0.00 34.25 0.00 4.80		Advance Advance	0.00%	Till termination Unsecured Security

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				The Audit Committee has approved aggregate limit for all transactions v					4, 65.86 lac 31-3- Unsecured	Working capital Axis 1 year MCLR +Spread (2.40%)
83	C Haldton Italy	Subsidiary Company	1 C'	Suvas Holdings Limited as stated in t	he		Loan	2.40%		
Hindalco Industries Limited	Suvas Holdings Limited		Loans Given	The Audit Committee has approved	0.74 2.59 3.33					
84		Subsidiary Company		aggregate limit for all transactions v Suvas Holdings Limited as stated in t						
Hindalco Industries Limited	Suvas Holdings Limited		Purchase of Goods	statement	0.54 0.00 -0.54					
85		Wholly owned subsidiary		NA NA						
Hindalco Industries Limited	Utkal Alumina International Limited	Tribily office sepsicially	Investments Made	NA NA	0.00 6361.75 6361.75					
86 Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Purchase of Goods		2218.46 -433.98 -443.48					
87		Wholly owned subsidiary	Purchase of property and other	NA NA						
Hindalco Industries Limited	Utkal Alumina International Limited	Tribuly Chines costicus,	assets	NA NA	0.26 -0.03 0.00					
Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Recovery of ESOP Expenses		0.41 0.00 0.00					
89		Wholly owned subsidiary	Reimbursement of	NA	0.10					
Hindalco Industries Limited	Utkal Alumina International Limited		Expense/(Recovery)	NA NA	-0.18 -0.48 -0.56					
Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Sale of Goods		0.00 0.11 0.00					
91 Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Sales of property and other assets	NA	0.01 0.00 0.00					
inindated industries Limited	Orkal Alomina international Limited		sales of property and other assets	NA NA	0.01 0.00 0.00					
Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Services received		0.00 -0.11 0.00					
93 Hindalco Industries Limited	Utkal Alumina International Limited	Wholly owned subsidiary	Services rendered	NA NA	0.24 1.37 0.46					
Dahej Harbour &	Oraci Aldiniia iliettational Elilliea	Trust Controlled by	Services rendered	Trust controlled by Company	0.24 1.37 0.40					
Infrastructure Limited	Copper Jan Seva Trust	Hindalco	Services received		0.05 0.00 0.00					
95 Dahej Harbour & Infrastructure Limited	Copper Jan Seva Trust	· · · · · · · · · · · · · · · · · · ·	Reimbursement of Expense/(Recovery)	Trust controlled by Company	0.00 0.00 0.00					
Kosala Livelihood and	Aditya Birla Management Corporation	Interest of Directors in Pvt	Expense/ (Receivery)	3.00 NA	0.00 0.00					
Social Foundation	Private Limited	Ltd Co.	Sale of Goods	500 14	0.34 0.00 0.04					
Renuka Investments & Finance Limited	Aditya Birla Management Corporation Private Limited	Interest of Directors in Pvt Ltd Co.	Services rendered	5.00 NA	0.11 0.00 0.12					
Renuka Investments &	Aditya Birla Management Corporation	Interest of Directors in Pvt		NA NA	0.11 0.00 0.12	 				
Finance Limited	Private Limited		Deposits Taken		0.00 -0.20 -0.20					
99 Utkal Alumina International Limited	Aditya Birla Renewables Utkal Limited (Solar Power SPV at Utkal)	Associate Company	Purchase of Goods	NA NA	1.15 -0.64 -0.19					
Utkal Alumina	rower or v at utkal)		i ordiuse of Goods	NA NA	1.15 -0.04 -0.19	+		+	+ + + + + + + + + + + + + + + + + + + +	
International Limited	Grasim Industries Limited		Purchase of Goods		133.58 0.00 -24.04					
101 Utkal Alumina International Limited	Aditya Birla Management Corporation Private Limited	Interest of Directors in Pvt Ltd Co.	Services received	NA NA	32.80 -7.37 -7.63					
Utkal Alumina	Aditya Birla Science and Technology		Jet vices Tecelveu	NA NA	32.00 -/.3/ -/.03	- 			 	
International Limited	Company Private Limited		Services received		0.90 0.00 0.00					
103 Utkal Alumina International Limited	UAIL Employee's Gratuity Fund	fund controlled by subsidiary	Contribution to Trust	NA NA	1.31 0.00 0.00					
Utkal Alumina	OAL Employee's Ordiony Fond	fund controlled by	Commodition to trust	NA NA	1.31 0.00 0.00					
International Limited	UAIL Employee's Superannuation Fund	subsidiary	Contribution to Trust		0.23 0.00 0.00					
105 Utkal Alumina International Limited	Utkal Alumina Jan Seva Trust	trust controlled by subsidiary	Contribution to Trust	NA NA	1.20 -0.15 -0.05					
Utkal Alumina	OTAM MONITING JULI OCYCL (103)		Commodition to 11031	NA NA	1.20 -0.13 -0.03	+				
International Limited	Utkal Alumina Social Welfare Foundation	Wholly owned subsidiary	Contribution to Trust		0.30 0.00 0.00					
107 Utkal Alumina International Limited	Aditya Birla Renewables Utkal Limited (Solar Power SPV at Utkal)	Associate Company	Investments Made	NA NA	0.00 1.27 1.27					
Utkal Alumina	I OWEL OF A CHARAIT	14 H	miresimenis Muue	NA NA	0.00 1.2/ 1.2/					
International Limited	Utkal Alumina Social Welfare Foundation	Wholly owned subsidiary	Investments Made		0.00 0.10 0.10					
109 Utkal Alumina International Limited	Aditya Birla Management Corporation Private Limited	Interest of Directors in Pvt Ltd Co.	Deposits Given	NA NA	0.00 6.31 6.31					
Novelis ALR International, Inc.	Novelis Corporation		Loan	NA NA	2694.99 3606.82 6360.48			0.770/	5 years Unsecured	Loan renewal to finance working capital
110		Wholly owned subsidiary					Loan	8.77%		
111 Novelis Corporation 112 Novelis Corporation	Novelis GEO Inc. Novelis ALR International, Inc.	Wholly owned subsidiary Wholly owned subsidiary		NA NA	9.91 3.05 13.08 1945.20 0.00 1959.82		Loan Loan	8.77% 8.77%	5 years Unsecured 3.9 years Unsecured	Loan renewal to finance working capital Loan renewal to finance working capital
113 Novelis Netherlands B.V.	Novelis Corporation	Wholly owned subsidiary		NA NA	901.07 0.00 907.84		Loan	3.50%	0.9 year Unsecured	Loan renewal to finance working capital
Novelis Services Limited (UK)	Novelis Europe Holdings Limited	Wholly owned subsidiary	Loan	NA	72.12 3359.89 3468.34		Loan	4.50%	5 years Unsecured	Loan renewal to finance working capital
Novelis Deutschland GmbH	Aluminium Norf GmbH	Joint Operation of	Loan	4000.00 NA	-165.53 211.32 89.31	 	las-	1.00%	Demand Note Unsecured	Loan renewal to finance working capital
Navalia	Novelle AC	Hindalco subsidiary	Loon	NIA NIA	706.14		Loan	1.00%	Domard Nata	To finance weathing and to the
Novelis Switzerland SA	Novelis AG	Wholly owned subsidiary	Loan	NA NA	-706.14 2407.97 1722.17		Loan	8.77%	Demand Note Unsecured	To finance working capital
Novelis	Novelis Netherlands B.V.	Wholly owned subsidiary	Loan	NA	901.11 0.00 907.88		Loan	3.25%	0.9 year Unsecured	Loan renewal to finance working capital
Switzerland SA 118 Novelis Inc.	8018227 Canada Inc.	Wholly owned subsidiary	Loan	NA NA	-27.90 2620.27 2620.07		Loan	3.25%	5 years Unsecured	Loan renewal to finance working capital
119 Novelis Corporation	Novelis Holdings Inc.	Wholly owned subsidiary		NA NA	5.48 10095.73 10208.77		Loan	8.77%	1 years Unsecured	Loan renewal to finance working capital
120 Novelis Casthouse Germany GmbH	Novelis Aluminium Holding Unlimited Co	Wholly owned subsidiary	Loan	NA	306.35 0.00 308.65		Loan	4.00%	1 years Unsecured	Loan renewal to finance working capital
121 Novelis Deutschland GmbH	Novelis Aluminium Holding Unlimited Co	Wholly owned subsidiary	Loan	NA NA	204.30 535.55 747.09		Loan	5.50%	2 years Unsecured	Loan renewal to finance working capital
122 Novelis Netherlands B.V.	Novelis AG	Wholly owned subsidiary	_	NA NA	4.80 120.63 126.75		Loan	8.77%	Demand Note Unsecured	To finance working capital
123 Novelis Casthouse Germany GmbH	Novelis AG	Wholly owned subsidiary	Loan	NA NA	-461.97 498.50 38.36		Loan	8.77%	Demand Note Unsecured	To finance working capital
Novelis Deutschland Holding	Novelis AG	Wholly owned subsidiary	Loan	NA	686.29 5.76 697.27		Loan	8.77%	Demand Note Unsecured	To finance working capital
125 Novelis Koblenz GmbH	Novelis AG	Wholly owned subsidiary	Loan	NA NA	-666.76 545.78 -120.18	- - 	Loan	8.77%	Demand Note Unsecured	To finance working capital
126 Aleris Aluminum UK Limited	Novelis AG	Wholly owned subsidiary	Loan	NA	0.01 0.40 0.41		Loan	8.77%	Demand Note Unsecured	To finance working capital
127 Aleris Switzerland Gmbh Novelis (Shanghai) Aluminum	Novelis AG Novelis (China) Aluminum Products Co., Ltd.	Wholly owned subsidiary	Loan Loan	NA NA	-9.11 97.64 89.51 -13.63 51.70 38.52	- - 	Loan	8.77%	Demand Note Unsecured Demand Note Unsecured	To finance working capital To finance working capital
Trading Company		Wholly owned subsidiary		177			Loan	8.77%		
129 Novelis UK Ltd. 130 Novelis Sheet Ingot GmbH	Novelis AG	Wholly owned subsidiary Wholly owned subsidiary		NA NA	-141.49 1770.48 1646.78 -48.32 334.46 289.34		Loan Loan	8.77% 8.77%	Demand Note Unsecured	To finance working capital
Novelis Italia	Novelis AG Novelis AG	·	Loan	NA NA	-48.32 334.46 289.34 -2.30 89.26 87.89	+	Loun		Demand Note Unsecured Demand Note Unsecured	To finance working capital To finance working capital
SpA		Wholly owned subsidiary	Lama	NIA NIA	425.51		Loan	8.77%		
132 Novelis AG 133 Novelis PAE S.A.S	Novelis Aluminium Holding Unlimited Co Novelis AG	Wholly owned subsidiary Wholly owned subsidiary		NA NA	-435.51 287.34 -148.38 -43.78 208.03 166.14	+	Loan Loan	8.77% 8.77%	Demand Note Unsecured Demand Note Unsecured	To finance working capital To finance working capital
134 Novelis AG	Novelis UK Ltd.	Wholly owned subsidiary		NA NA	-141.25 134.04 -6.84		Loan	8.77%	Demand Note Unsecured	To finance working capital
135 Noveis AG	Novelis Europe Holdings Limited	Wholly owned subsidiary	Loan	NA NA	-96.85 31.14 -66.11		Loan	8.77%	Demand Note Unsecured	To finance working capital
136 Novelis AG	Novelis Deutschland GmbH	Wholly owned subsidiary	Loan	NA NA	189.91 415.49 611.25		Loan	8.77%	Demand Note Unsecured	To finance working capital
137 Novelis AG	Novelis Italia SpA	Wholly owned subsidiary	Loan	NA	-133.27 295.70 164.58		Loan	8.77%	Demand Note Unsecured	To finance working capital
138 Novelis AG	Novelis UK Ltd.	Wholly owned subsidiary	Loan	NA NA	-0.32 0.32 0.00		Loan	8.77%	Demand Note Unsecured	To finance working capital
Novelis (China) Aluminum Products Co., Ltd.	Novelis Aluminum (Zhenjiang) Co., Ltd.	Wholly owned subsidiary	Loan	NA	-210.92 825.13 621.41		Loan	8.77%	Demand Note Unsecured	To finance working capital
Products Co., Ltd. 140 Novelis Corporation	Novelis Inc.	Wholly owned subsidiary	Loan	NA NA	-1595.19 818.99 -779.47	+	Loan	8.77%	Demand Note Unsecured	To finance working capital
141 Novelis Deutschland GmbH	Novelis Aluminium Holding Unlimited Co	Wholly owned subsidiary	Loan	NA	-1013.38 1010.24 0.00		Loan	2.20%	1 years Unsecured	Repayment of loan
Novelis Inc.	Novelis Europe Holdings Limited	Wholly owned subsidiary	Loan	NA	-70.83 70.61 0.00		Loan	6.80%	8 years Unsecured	Repayment of loan
Novelis ALR Recycling of	Novelis ALR Rolled Products, LLC	Wholly owned subsidiary	Receivable	NA	0.00 1002.26 1012.93	 				
Ohio, LLC	Herm Aluminum Lad (County Vivia)		Pagaiyahla	19000 001 NA	1000 /7 1000 00					
Novelis Korea Limited	Ulsan Aluminum Ltd. (South Korea)	Joint Operation of Hindalco subsidiary	Receivable	18000.00 NA	0.00 1020.67 1003.89					
						1		1	· I	

Aleris Aluminum Japan, Ltd.	Novelis (Shanghai) Aluminum Trading Company		Receivable	T NA	0.00	0.00 0.22	<u> </u>	
145		wholly owned subsidiary						
146 Aleris Asia Pacific Limited 147 Aleris Holding Canada ULC	Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis ALR International, Inc.	, , ,	Receivable Receivable	NA NA	0.00	92.66 102.71 0.00 0.00		
148 Aleris Switzerland Gmbh	Novelis AG	wholly owned subsidiary	Receivable	NA NA	0.00	0.00 0.15 20.87 20.42		
149 Novelis Switzerland SA	Novelis AG	wholly owned subsidiary	Receivable	NA				
150 Novelis Switzerland SA	Novelis Corporation	wholly owned subsidiary	Receivable	NA	0.00	66.53 34.25		
Novelis Switzerland SA	Novelis Deutschland GmbH	wholly owned subsidiary	Receivable	NA	0.00	500.68 421.31		
Novelis	Novelis Inc.	wholly owned subsidiary	Receivable	NA NA	0.00	3.61 8.10		
Switzerland SA Novelis	Novelis Italia		Receivable	NA NA	0.00	39.29 40.98		
Switzerland SA	SpA	wholly owned subsidiary						
Novelis ALR Rolled Products Sales Corporation	Novelis ALR Rolled Products, LLC	wholly owned subsidiary	Receivable	NA	0.00	34.92 35.29		
155 Novelis Switzerland SA	Novelis Netherlands B.V.	wholly owned subsidiary	Receivable	NA	0.00	0.00 8.77		
Novelis (China) Aluminum	Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary	Payable	NA	0.00	-0.32 0.00		
Products Co., Ltd. Novelis (China) Aluminum	Novelis (Shanghai) Aluminum Trading Company		Receivable	NA NA	0.00	0.00 0.36		
Products Co., Ltd. Novelis (China) Aluminum	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary	Receivable	NA NA	0.00	6.59 6.26		
Products Co., Ltd.		wholly owned subsidiary						
Novelis (China) Aluminum Products Co., Ltd.	Novelis Inc.	wholly owned subsidiary	Receivable	NA	0.00	12.48 13.30		
Novelis (China) Aluminum Products Co., Ltd.	Novelis Korea Limited	wholly owned subsidiary	Receivable	NA	0.00	26.03 36.97		
Novelis (Shanghai) Aluminum	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary	Receivable	NA NA	0.00	0.02 9.56		
Trading Company Novelis (Shanghai) Aluminum	Novelis Aluminum (Zhenjiang) Co., Ltd.		Receivable	NA NA	0.00	0.94 4.36		
Trading Company		wholly owned subsidiary						
163 Novelis (Shanghai) Aluminum Trading Company	Novelis GEO Inc.	wholly owned subsidiary	Receivable	NA	0.00	0.19 0.18		
164 Novelis AG Novelis AG	Aleris Switzerland Gmbh Novelis		Receivable Receivable	NA NA	0.00	0.00 0.11 145.89 138.47		
165	Switzerland SA	wholly owned subsidiary						
166 Novelis AG 167 Novelis AG	Novelis Casthouse Germany GmbH Novelis Deutschland GmbH		Receivable Receivable	NA NA	0.00	0.00 0.12 744.79 558.70		
168 Novelis AG 169 Novelis AG	Novelis Deutschland Holding GmbH Novelis Inc.	wholly owned subsidiary	Receivable Receivable	NA NA	0.00	0.00 0.01 34.21 54.40		
170 Novelis AG	Novelis Italia	i	Receivable	NA NA	0.00	24.46 8.72		
171 Novelis AG	SpA Novelis Koblenz GmbH		Receivable	NA NA	0.00	69.67 62.62		
172 Novelis AG 173 Novelis AG	Novelis Korea Limited Novelis MEA Ltd		Receivable Receivable	NA NA	0.00 0.00	0.39 0.64 22.08 13.10		
174 Novelis AG	Novelis Netherlands B.V.	wholly owned subsidiary	Receivable	NA	0.00	0.00 0.02		
175 Novelis AG 176 Novelis AG	Novelis PAE S.A.S Novelis Sheet Ingot GmbH		Receivable Receivable	NA NA	0.00	0.68 0.59 0.09 0.17		
177 Novelis AG 179 Novelis AG	Novelis UK Ltd. Novelis		Receivable Receivable	NA NA	0.00	47.19 7.79 2.37 0.06		
178	Europe Holdings Limited	wholly owned subsidiary						
Novelis ALR International, Inc.	Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary	Payable	NA	0.00	-16.10 0.00		
180 Novelis ALR International, Inc.	Aleris Asia Pacific International (Barbados) Ltd.	wholly owned subsidiary	Receivable	NA	0.00	0.47 0.51		
Novelis ALR International, Inc.	Aleris Asia Pacific Limited	wholly owned subsidiary	Receivable	NA	0.00	15.12 15.28		
Novelis ALR International, Inc.	Aleris Holding Canada ULC		Payable	NA NA	0.00	0.01 0.01		
182	Novelis ALR Rolled Products Sales Corporation	wholly owned subsidiary		N/A				
183 Novelis ALR International, Inc.		wholly owned subsidiary	Receivable	NA	0.00			
Novelis ALR International, Inc.	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary	Receivable	NA	0.00	1938.62 1816.18		
Novelis ALR International, Inc.	Novelis ALR Rolled Products, LLC	wholly owned subsidiary	Payable	NA	0.00	6587.12 7544.87		
Novelis ALR International, Inc.	Novelis Aluminum (Zhenjiang) Co., Ltd.		Receivable	NA NA	0.00	0.00 0.00		
Novelis ALR International, Inc.	Novelis Corporation		Receivable	NA NA	0.00	225.77 428.17		
187		wholly owned subsidiary		NIA				
188 Novelis ALR International, Inc.	Novelis Holdings Inc.	wholly owned subsidiary	Receivable	NA	0.00	679.20 953.97		
189 Novelis ALR International, Inc.	Novelis Inc.	wholly owned subsidiary	Receivable	NA	0.00	0.37 3.92		
Novelis ALR International, Inc.	Novelis Koblenz GmbH	wholly owned subsidiary	Payable	NA	0.00	-1.91 1.85		
Novelis ALR International, Inc.	Novelis Netherlands B.V.		Receivable	NA NA	0.00	0.50 0.51		
Novelis ALR International, Inc.	Novelis ALR Aluminum, LLC		Payable	NA NA	0.00	358.29 448.76		
192		wholly owned subsidiary						
193 Novelis ALR International, Inc.	Novelis ALR Recycling of Ohio, LLC	wholly owned subsidiary	Receivable	NA	0.00	860.90 1018.09		
194 Novelis ALR International, Inc.	Novelis ALR Asset Management Corporation	wholly owned subsidiary	Receivable	NA	0.00	28.94 22.63		
Novelis ALR Rolled Products	Novelis ALR International, Inc.	wholly owned subsidiary	Payable	NA	0.00	135.97 136.67		
Sales Corporation Novelis ALR Rolled Products	Novelis ALR Rolled Products, Inc.		Receivable	NA NA	0.00	75.53 76.33		
Sales Corporation Novelis ALR Rolled Products	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary	Receivable	NA NA	0.00	0.85 0.79		
Sales Corporation		wholly owned subsidiary						
198 Novelis ALR Rolled Products Sales Corporation	Novelis Inc.	wholly owned subsidiary	Receivable	NA	0.00	0.38 0.38		
Novelis ALR Rolled Products Sales Corporation	Novelis Koblenz GmbH	wholly owned subsidiary	Receivable	NA	0.00	0.47 0.32		
Novelis ALR Rolled Products,	Novelis ALR International, Inc.	wholly owned subsidiary	Payable	NA	0.00	1268.25 1148.47		
Novelis ALR Rolled Products	Novelis ALR Rolled Products Sales Corporation		Payable	NA NA	0.00	25.09 25.35		
201 Inc.	Novelis ALR Rolled Products, LLC	wholly owned subsidiary		NA NA	0.00	2637.39 2783.31		
lnc.		wholly owned subsidiary	Receivable					
203 Novelis ALR Rolled Products, Inc.	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary	Receivable	NA	0.00	0.00 0.00		
Novelis ALR Rolled Products,	Novelis Corporation	wholly owned subsidiary	Receivable	NA	0.00	2.09 1.20		
Novelis ALR Rolled Products,	Novelis ALR Aluminum, LLC	wholly owned subsidiary	Payable	NA NA	0.00	1288.17 1715.28		
Novelis ALP Polled Products	Novelis ALR Asset Management Corporation		Receivable	NA NA	0.00	0.00 4.03		
²⁰⁶ Inc.		wholly owned subsidiary						
207 Novelis ALR Rolled Products, LLC	Novelis ALR International, Inc.	wholly owned subsidiary	Receivable	NA	0.00	6577.59 7535.07		
208 Novelis ALR Rolled Products, LLC	Novelis ALR Asset Management Corporation	wholly owned subsidiary	Receivable	NA	0.00	0.00 0.00		
l liic		,,		<u>l</u>				

209	Novelis ALR Rolled Products,	Novelis Corporation	wholly owned subsidiary		NA 0.00	0 112.6	57 109.	2.99				
209	LLC	N. II AID AL IIG	, , , , , , , , , , , , , , , , , , ,		0.00	2 241.6	22 201	71				
210	Novelis ALR Rolled Products, LLC	Novelis ALR Aluminum, LLC	wholly owned subsidiary		NA 0.00	241.9	201.	./1				
211	Novelis Inc.	Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Payable		NA 0.00			0.00				
212	Novelis Aluminium	Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary		NA 0.00	0.0	0.	0.03				
	Beteiligungs- GmbH Novelis Aluminium	Novelis Deutschland GmbH	Receivable		NA 0.00	0.4	41 0.	0.40				
	Beteiligungs- GmbH		wholly owned subsidiary									
214	Novelis Aluminium Holding Unlimited Co	Novelis AG	wholly owned subsidiary		NA 0.00	2.8	33 2.	2.15				
015	Novelis Aluminium Holding	Novelis Deutschland GmbH	Receivable		NA 0.00	0 1.9	97 1.	.28				
215	Unlimited Co		wholly owned subsidiary									
216	Novelis Aluminium Holding Unlimited Co	Novelis Inc.	wholly owned subsidiary		NA 0.00	0.5	57 0.	0.56				
	Novelis Aluminium Holding	Novelis Sheet Ingot GmbH	Receivable		NA 0.00	0.1	15 0.	0.14		 		
217	Unlimited Co		wholly owned subsidiary									
218	Novelis Services Limited (UK)	Novelis Deutschland GmbH	wholly owned subsidiary		NA 0.00	0.0	0.	0.00				
	Novelis Aluminum (Zhenjiang)	Novelis (China) Aluminum Products Co., Ltd.	Receivable		NA 0.00	0 0.2	20 0.	0.15		 		
219	Co., Ltd.		wholly owned subsidiary									
	Novelis Aluminum (Zhenjiang) Co., Ltd.	Novelis ALR International, Inc.	wholly owned subsidiary		NA 0.00	0.9	96 0.	0.93				
	Novelis Aluminum (Zhenjiang)	Novelis ALR Rolled Products Sales Corporation	Receivable		NA 0.00	0.3	39 0.	0.40		 		
221	Co., Ltd.		wholly owned subsidiary									
222	Novelis Casthouse Germany GmbH	Novelis Switzerland SA	wholly owned subsidiary		NA 0.00	3.2	21 6.	0.47				
)	Novelis AG	Receivable		NA 0.00	0.0	00 0.	0.00		 		
223	GmbH Germany		wholly owned subsidiary									
224	Novelis Casthouse Germany GmbH	Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary		NA 0.00	0.0	00 1.	.03				
	No di Codo Como	Novelis Koblenz GmbH	Receivable		NA 0.00	0 159.6	56 118.	3.52				
225	GmbH		wholly owned subsidiary									
226	Novelis Corporation	Novelis Switzerland SA	wholly owned subsidiary		0.00	0.0	0.	0.02				
227	Novelis Corporation	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Receivable		NA 0.00	0 11.0	03 11.	.14				
228	Novelis Corporation	Novelis AG	wholly owned subsidiary Receivable		NA 0.00	9.7	73 0.	0.88				
	Novelis Corporation Novelis Corporation	Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			2.73				
	Novelis Corporation	Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00							
232	Novelis Corporation	Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Receivable		NA 0.00	24.8	38 24	.50				
	Novelis Corporation Novelis Corporation	Novelis Deutschland GmbH Novelis do Brasil Ltda.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.07				
	Novelis Corporation	Novelis GEO Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00	0 1.6		.19				
236	Novelis Corporation	Novelis Holdings Inc.	wholly owned subsidiary Receivable		NA 0.00	0 1565.0	05 1634.					
	Novelis Corporation Novelis Corporation	Novelis Inc. Novelis Korea Limited	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.27				
	Novelis Corporation	Novelis MEA Ltd	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00			0.92				
	Novelis Corporation	Novelis Services (North America) Inc.	wholly owned subsidiary Receivable		NA 0.00			0.15				
	Novelis Corporation Novelis Corporation	Novelis Sheet Ingot GmbH Novelis Vietnam Company Limited	wholly owned subsidiary Payable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.79 0.80				
	Novelis Corporation	Novelis ALR Aluminum, LLC	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00			2.35				
244	Novelis Corporation	Novelis ALR Recycling of Ohio, LLC	wholly owned subsidiary Receivable		NA 0.00			1.94				
245	Novelis Deutschland GmbH	Novelis Switzerland SA	wholly owned subsidiary		NA 0.00	112.9	94 92.	2.31				
246	Novelis Deutschland GmbH	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Receivable		NA 0.00	0 3.2	29 5.	5.64				
	Novelis Deutschland GmbH	Novelis AG	wholly owned subsidiary Receivable		NA 0.00							
	Novelis Deutschland GmbH Novelis Deutschland GmbH	Novelis Aluminium Beteiligungs- GmbH Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			.54		+		
	Novelis Deutschland GmbH	Novelis Casthouse Germany GmbH	wholly owned subsidiary Receivable		NA 0.00			1.99				
	Novelis Deutschland GmbH	Novelis Corporation	wholly owned subsidiary Receivable		NA 0.00			3.19				
252	Novelis Deutschland GmbH Novelis Deutschland GmbH	Novelis Inc. Novelis Italia	wholly owned subsidiary Receivable Receivable		NA 0.00 NA 0.00			2.47				
253		SpA	wholly owned subsidiary									
254	Novelis Deutschland GmbH	Novelis Koblenz GmbH	wholly owned subsidiary Receivable		NA 0.00							
255	Aleris (Shanghai) Trading Co., Ltd.	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary		NA 0.00	9.3	3/ 0.	0.00				
256	Novelis Deutschland GmbH	Novelis Sheet Ingot GmbH	wholly owned subsidiary Receivable		NA 0.00			7.92				
	Novelis Deutschland GmbH	Novelis UK Ltd.	wholly owned subsidiary Receivable		NA 0.00			.24				
258	Aleris (Shanghai) Trading Co., Ltd.	Novelis Koblenz GmbH	wholly owned subsidiary		0.00	5.6	0.	0.00				
	NI P. D III III. III.	Novelis AG	Receivable		NA 0.00	0.0	00 0.	0.00				
	GmbH		wholly owned subsidiary		200	2						
	Novelis do Brasil Ltda. Novelis do Brasil Ltda.	Novelis Corporation Novelis Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.83				
	Nevelis	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Receivable wholly owned subsidiary		NA 0.00			0.00				
202	Switzerland SA	Novelie MEA Ltd	·		NA COS	0.0	20 2	0.00				
	Novelis do Brasil Ltda. Novelis GEO Inc.	Novelis MEA Ltd Novelis (Shanghai) Aluminum Trading Company	Receivable		NA 0.00 NA 0.00			1.07				
264			wholly owned subsidiary									
	Novelis GEO Inc. Novelis GEO Inc.	Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.02				
	Novelis GEO Inc.	Novelis Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	+	NA 0.00	0.1	19 0.	0.11				
268	Novelis GEO Inc.	Novelis Korea Limited	wholly owned subsidiary Receivable		NA 0.00	0 1.5	59 1.	.42				
	Novelis Holdings Inc. Novelis Holdings Inc.	Novelis ALR International, Inc. Novelis Corporation	wholly owned subsidiary Payable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			3.54 3.58				
	Novelis Inc.	8018227 Canada Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00			5.11				
272	Novelis Inc.	Novelis Switzgrand SA	wholly owned subsidiary		NA 0.00	0.9	79 1.	.89				
	Novelis Inc.	Switzerland SA Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Receivable		NA 0.00	0 10.8	34 35	5.38				
	Novelis Inc	Novelis (Shanghai) Aluminum Trading Company	Receivable		NA 0.00			.56				
2/4			wholly owned subsidiary				20					
	Novelis Inc.	Novelis AG Novelis ALR International, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			3.18 3.62				
277	Novelis Inc.	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00	0 -11.2	24 17.	7.30				
278	Novelis Switzerland SA	Novelis Koblenz GmbH	wholly owned subsidiary		NA 0.00	0.0	02	0				
279	Novelis Inc.	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Receivable		NA 0.00	0 46.2	20 51	.50				
280	Novelis Inc.	Novelis Casthouse Germany GmbH	wholly owned subsidiary Receivable		NA 0.00	0.0	00 0.	0.15	_			
	Novelis Inc.	Novelis Corporation Novelis Deutschland GmbH	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00			7.19				
	Novelis Inc.	Novelis Deutschland GmbH Novelis do Brasil Ltda.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00							
284	Novelis Inc.	Novelis GEO Inc.	wholly owned subsidiary Receivable		NA 0.00	0 1.0	0.	0.70				
	Novelis Inc.	Novelis Holdings Inc. Novelis Italia	wholly owned subsidiary Receivable Receivable		NA 0.00 NA 0.00			.13				
286	Novelis Inc.	SpA	wholly owned subsidiary		0.00	0.5	1.	.13				
	Novelis Inc.	Novelis Koblenz GmbH	wholly owned subsidiary Receivable		NA 0.00			.76				
	Novelis Inc.	Novelis Korea Limited Novelis MEA Ltd	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			0.04				
290	Novelis Inc.	Novelis PAE S.A.S	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00	0.0	00 0.	0.07				
291	Novelis Inc.	Novelis Sheet Ingot GmbH	wholly owned subsidiary Receivable		NA 0.00	0.0	06 0.	0.18				
292	Novelis Inc. Novelis Inc.	Novelis UK Ltd. Novelis Vietnam Company Limited	wholly owned subsidiary Receivable wholly owned subsidiary Receivable		NA 0.00 NA 0.00			.56				
ı ∠Y3	I TOYONS INC.	provens vienium company Limited	wholly owned substatially		10.00	<u> </u>	 1.			<u> </u>	<u> 1</u>]

Novelis	Novelis Korea Limited	wholly owned subsidiary	NA	0.00	11.49	0.0				
Switzerland SA	N 6		111	0.00	101	0.00				
295 Novelis Italia SpA	Novelis Switzerland SA	wholly owned subsidiary	NA	0.00	4.06	2.80				
Novelis Italia	Novelis AG	wholly owned subsidiary	NA	0.00	7.39	5.0	3			
SpA	Name to Composition		NIA	0.00	0.11	0.4	4			
297 Novelis Italia SpA	Novelis Corporation	wholly owned subsidiary	NA	0.00	0.11	0.4	4			
Novelis Italia	Novelis Deutschland GmbH	wholly owned subsidiary	NA	0.00	7.71	0.2	2			
SpA	Nevalia Ira	Receivable	NA NA	0.00	0.17	0.3	1			
299 Novelis Italia SpA	Novelis Inc.	wholly owned subsidiary	INA	0.00	0.17	0.3				
300 Novelis AG	Novelis Corporation	wholly owned subsidiary Receivable	NA	0.00	1.29	-	0			
301 Novelis Koblenz GmbH	Novelis Switzerland SA	wholly owned subsidiary	NA	0.00	1.56	0.4				
302 Novelis Koblenz GmbH	Novelis AG	wholly owned subsidiary Receivable	NA	0.00	36.29	30.9	4			
303 Novelis Koblenz GmbH	Novelis ALR International, Inc.	wholly owned subsidiary Receivable	NA	0.00	0.00	1.7	8			
304 Novelis Koblenz GmbH 305 Novelis Koblenz GmbH	Novelis ALR Rolled Products, Inc. Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	0.49 0.07					
306 Novelis Koblenz GmbH	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	120.61			- - - - - - - - - - 		
307 Novelis Koblenz GmbH	Novelis Casthouse Germany GmbH	wholly owned subsidiary Receivable	NA	0.00	33.39					
308 Novelis Koblenz GmbH 309 Novelis Koblenz GmbH	Novelis Corporation Novelis Deutschland GmbH	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	5.75 144.45					
310 Novelis Koblenz GmbH	Novelis Deutschland Holding GmbH	wholly owned subsidiary Receivable	NA	0.00	0.00					
311 Novelis Koblenz GmbH	Novelis Inc.	wholly owned subsidiary Receivable	NA	0.00	1.91					
312 Novelis Koblenz GmbH Novelis Aluminum (Zhenjiang)	Novelis Korea Limited Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary Receivable Receivable	NA NA	0.00	0.00 3.1 <i>7</i>					
Co., Ltd.	the state of the s	wholly owned subsidiary								
314 Novelis Koblenz GmbH	Novelis UK Ltd.	wholly owned subsidiary Receivable	NA NA	0.00	0.00					
315 Novelis Korea Limited Novelis Korea Limited	Novelis (China) Aluminum Products Co., Ltd. Novelis (Shanghai) Aluminum Trading Company	wholly owned subsidiary Receivable Receivable	NA NA	0.00	526.42 0.25			+	+ +	
316		wholly owned subsidiary								
317 Novelis Korea Limited 318 Novelis Korea Limited	Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	3.43 51.90			<u> </u>		
319 Novelis Corporation	Novelis Corporation Novelis Services Limited (UK)	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	2.27					
320 Novelis Korea Limited	Novelis Inc.	wholly owned subsidiary Receivable	NA	0.00	0.35	1.1	6			
321 Novelis Korea Limited 322 Novelis Korea Limited	Novelis Koblenz GmbH Novelis MEA Ltd	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	0.04 1642.23					
323 Novelis Korea Limited	Novelis Vietnam Company Limited	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	9.54	9.6	+			
324 Novelis Corporation	Novelis UK Ltd.	wholly owned subsidiary Receivable	NA NA	0.00	0.10					
325 Novelis MEA Ltd 326 Novelis MEA Ltd	Novelis AG Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	4.72 0.51			+		
327 Novelis MEA Ltd	Novelis Inc.	wholly owned subsidiary Receivable	NA	0.00	0.13	0.10	0			
328 Novelis MEA Ltd	Novelis Korea Limited	wholly owned subsidiary Receivable	NA NA	0.00	24.81					
329 Novelis Netherlands B.V.330 Novelis Netherlands B.V.	Novelis AG Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	0.02 0.00			+	+ +	
331 Novelis Netherlands B.V.	Novelis Holdings Inc.	wholly owned subsidiary Receivable	NA	0.00	2.08	25.5	1			
332 Novelis PAE S.A.S 333 Novelis Deutschland GmbH	Novelis AG Novelis MEA Ltd	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	0.27 -0.05					_
334 Novelis PAE S.A.S	Novelis Deutschland GmbH	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA	0.00	0.20					
335 Novelis PAE S.A.S	Novelis do Brasil Ltda.	wholly owned subsidiary Receivable	NA	0.00	0.00	-				
336 Novelis PAE S.A.S	Novelis Italia SpA	wholly owned subsidiary	NA	0.00	0.12	0.0	′			
337 Novelis PAE S.A.S	Novelis Sheet Ingot GmbH	wholly owned subsidiary Receivable	NA	0.00	0.52		1			
338 Novelis Services Limited (UK)	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary	NA	0.00	1.04	2.7	2			
Novelis Services Limited (UK)	Novelis (Shanghai) Aluminum Trading Company	Pavable	NA NA	0.00	0.73	0.7	4			
339		wholly owned subsidiary								
Novelis Services Limited (UK)	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary	NA	0.00	0.00	7.6	7			
Novelis Services Limited (UK)	Novelis Aluminum (Zhenjiang) Co., Ltd.	Receivable	NA	0.00	1.93	1.3	9			
341		wholly owned subsidiary								
342 Novelis do Brasil Ltda. Novelis Inc.	Novelis Korea Limited Novelis	wholly owned subsidiary Receivable Receivable	NA NA	0.00	2.81 0.99					
343	Europe Holdings Limited	wholly owned subsidiary		0.00	0.77	0.0				
Novelis Services Limited (UK)	Novelis Inc.	wholly owned subsidiary	NA	0.00	1.67	8.5	6			
345 Novelis Koblenz GmbH	Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary Receivable	NA NA	0.00	3.45	0.0		+		
Novelis Services Limited (UK)	Novelis Korea Limited	wholly owned subsidiary Payable	NA NA	0.00	0.00					
340					/-					
347 Novelis Services Limited (UK)	Novelis Europe Holdings Limited	wholly owned subsidiary	NA	0.00	787.49	874.8	4			
348 Novelis Sheet Ingot GmbH	Novelis AG	wholly owned subsidiary Receivable	NA	0.00	0.29					
349 Novelis Sheet Ingot GmbH	Novelis Aluminium Holding Unlimited Co Novelis Deutschland GmbH	wholly owned subsidiary Receivable	NA NA	0.00 0.00	121.13					
350 Novelis Sheet Ingot GmbH Novelis UK Ltd.	Novelis Deutschland GmbH Novelis	wholly owned subsidiary Receivable Receivable	NA NA	0.00	10.40 52.71			+		
351	Switzerland SA	wholly owned subsidiary								
352 Novelis UK Ltd. Novelis Vietnam Company	Novelis Deutschland GmbH Novelis Korea Limited	wholly owned subsidiary Receivable Receivable	NA NA	0.00	342.41 7.10	+				
353 Limited	1 10 YOUR INDIGATED HITTING	wholly owned subsidiary	177	13333		1 / 0	81 '	· · · · · · · · · · · · · · · · · · ·	1	1
N 10										
Novelis State Novelis Novelis	Novelis AG	wholly owned subsidiary Receivable	NA	0.00	0.68				+	
Europe Holdings Limited		wholly owned subsidiary Receivable		0.00	0.68	0.80				
Europe Holdings Limited Ulsan Aluminum Ltd. (South Korea)	Novelis Korea Limited	wholly owned subsidiary Receivable wholly owned subsidiary Receivable	8000.00 NA	0.00	0.68 1759.84	1826.3	2			
354 Europe Holdings Limited Ulsan Aluminum Ltd. (South Korea)		wholly owned subsidiary Receivable		0.00	0.68 1759.84	0.80	2			
354 Europe Holdings Limited Ulsan Aluminum Ltd. (South Korea) Novelis ALR Recycling of Ohio, LLC Novelis ALR Recycling of	Novelis Korea Limited	wholly owned subsidiary Receivable wholly owned subsidiary Payable Payable	8000.00 NA	0.00	0.68 1759.84	0.80 1826.33 1018.03	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Payable	8000.00 NA NA NA	0.00 0.00 0.00	0.68 1759.84 860.84 167.45	0.86 1826.3 1018.0 195.86	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK)	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Receivable Receivable	8000.00 NA NA NA NA	0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45	0.80 1826.3 1018.0 195.80	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Payable	8000.00 NA NA NA	0.00 0.00 0.00	0.68 1759.84 860.84 167.45	0.86 1826.3 1018.0 195.86 0.00 13033.6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98	0.86 1826.3 1018.0 195.86 0.06 13033.6 1926.96 553.9	2 2 2 0 0 3 8 8			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Payable wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable	NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.6	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited Novelis ALR Asset	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.66 0.00	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Ohio, LLC 358 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Aluminum, LLC 364 Novelis ALR Asset Management Corporation	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Payable	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00	2 2 2 0 0 3 8 8 3 8 9 0			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited Novelis ALR Asset	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda.	wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable	NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.6 0.00 4.0	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Aluminum, LLC 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis Corporation Novelis Corporation	wholly owned subsidiary Receivable wholly owned subsidiary Payable wholly owned subsidiary Receivable wholly owned subsidiary Payable	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.66 0.00 4.00 518.46	2			
Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Asset Management Corporation 365 Novelis Deutschland GmbH Novelis Services Limited (UK)	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis Gerporation Novelis Gerporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH	wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable Receivable	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65	0.86 1826.3 1018.0 195.86 0.00 13033.66 1926.96 553.9 3.66 0.00 4.00 518.46 0.00	2			
354 Europe Holdings Limited 355 Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Ohio, LLC 358 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Aluminum, LLC 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Koblenz GmbH	wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05	0.86 1826.3 1018.0 195.86 0.00 13033.66 1926.96 553.9 3.66 0.00 4.00 518.46 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Asset Aluminum, LLC 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH Novelis Services Limited (UK) Novelis Services Limited (UK)	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis Gerporation Novelis Gerporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH	wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Receivable Receivable	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00 518.46 0.00 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 355 Novelis ALR Recycling of Ohio, LLC 357 Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Asset Management Corporation 365 Novelis Deutschland GmbH 367 Novelis Services Limited (UK) Novelis Services Limited (UK) Novelis Services Limited (UK)	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Koblenz GmbH	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.66 0.00 4.00 518.4 0.00 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH Novelis Services Limited (UK) 368 Novelis Novelis Services Limited (UK) 369 Novelis Switzerland SA Novelis Switzerland SA	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Koblenz GmbH Novelis Corporation Novelis Corporation	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66 38.90	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55 0.00 0.00	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00 518.46 0.00 0.00 0.00 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis ALR Asset Aluminum, LLC 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH Novelis Services Limited (UK) 368 Novelis Services Limited (UK) 369 Novelis Switzerland SA Novelis Switzerland SA Novelis (China) Aluminum	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Koblenz GmbH Novelis Corporation	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00 518.46 0.00 0.00 0.00 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 355 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH 367 Novelis Services Limited (UK) 368 Novelis Services Limited (UK) 369 Novelis Switzerland SA Novelis Switzerland SA Novelis (China) Aluminum	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis do Brasil Ltda. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Koblenz GmbH Novelis Corporation Novelis Corporation	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66 38.90	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55 0.00 0.00	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.96 0.00 4.00 518.44 0.00 0.00 0.00 0.00 0.00	2			
Ulsan Aluminum Ltd. (South Korea) 356 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH 367 Novelis Services Limited (UK) 368 Novelis Switzerland SA 370 Novelis Novelis (China) Aluminum Products Co., Ltd. 372 Novelis Corporation 373 Novelis Deutschland GmbH	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Corporation Novelis Koblenz GmbH Novelis Corporation Novelis Inc. Novelis Inc.	wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Cost Sharing Agreement Cost Sharing Agreement Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66 38.90 25.56 335.05 22.81	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55 0.00 0.00 0.00 0.00	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00 518.46 0.00 0.00 0.00 0.00 0.00 0.00				
Ulsan Aluminum Ltd. (South Korea) 355 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH 367 Novelis Services Limited (UK) 368 Novelis Services Limited (UK) 369 Novelis Switzerland SA 370 Novelis Switzerland SA 371 Novelis (China) Aluminum Products Co., Ltd. 372 Novelis Corporation	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Corporation Novelis Corporation Novelis Corporation Novelis Inc. Novelis Inc. Novelis Inc. Novelis Inc.	wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary wholly owned subsidiary Receivable wholly owned subsidiary Receivable wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66 38.90 25.56 335.05	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 -0.052 516.05 2.65 1.55 0.00 0.00 0.00	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.96 553.9 3.66 0.00 4.00 518.46 0.00 0.00 0.00 0.00 0.00 0.00				
Ulsan Aluminum Ltd. (South Korea) 355 Novelis ALR Recycling of Ohio, LLC 357 Novelis ALR Recycling of Ohio, LLC 358 Novelis Koblenz GmbH 359 Novelis ALR Aluminum, LLC 360 Novelis ALR Aluminum, LLC 361 Novelis ALR Aluminum, LLC 362 Novelis ALR Aluminum, LLC 363 Novelis Korea Limited 364 Novelis ALR Asset Management Corporation 365 Novelis PAE S.A.S 366 Novelis Deutschland GmbH 367 Novelis Services Limited (UK) 368 Novelis Services Limited (UK) 369 Novelis Switzerland SA 370 Novelis Switzerland SA 371 Novelis Corporation 373 Novelis Deutschland GmbH Novelis Corporation 373 Novelis Deutschland GmbH	Novelis Korea Limited Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis Services Limited (UK) Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC Novelis Corporation Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, Inc. Novelis Corporation Aluminium Norf GmbH Novelis Casthouse Germany GmbH Novelis Corporation Novelis Koblenz GmbH Novelis Corporation Novelis Inc. Novelis Inc.	wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Cost Sharing Agreement wholly owned subsidiary Cost Sharing Agreement Cost Sharing Agreement	8000.00 NA NA NA NA NA NA NA NA NA NA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.66 38.90 25.56 335.05 22.81	0.68 1759.84 860.84 167.45 0.05 11272.93 1481.39 536.98 0.75 0.01 -0.01 0.52 516.05 2.65 1.55 0.00 0.00 0.00 0.00	0.86 1826.3 1018.0 195.86 0.00 13033.6 1926.9 553.9 3.66 0.00 4.0 518.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00				

376 Novelis In	Inc.	Novelis Deutschland GmbH	wholly owned subsidiary Cost Sharing Agreement		NA 8	35.58 0	00 0.	.00				
377 Novelis In		Novelis do Brasil Ltda.	wholly owned subsidiary Cost Sharing Agreement					.00				
378 Novelis In	Inc.	Novelis Italia	wholly owned subsidiary Cost Sharing Agreement		NA 5	5.76 0	00 0.	.00				
379 Novelis In	Inc.	Novelis Korea Limited	wholly owned subsidiary Cost Sharing Agreement		NA 7	78.38 0	00 0.	.00				
380 Novelis In		Novelis UK Ltd.	wholly owned subsidiary Cost Sharing Agreement					.00				
381 Novelis Ko		Novelis Inc.	wholly owned subsidiary Cost Sharing Agreement					.00				
382 Novelis In	Inc.	Novelis Corporation Novelis AG	wholly owned subsidiary Guarantee Fees wholly owned subsidiary Hedging and Derivatives -	Evnense				.00				
Novelis		Novelis AG	Hedging and Derivatives -					.00				
384 Switzerlar			wholly owned subsidiary									
385 Novelis A		Aleris Switzerland Gmbh	wholly owned subsidiary Hedging and Derivatives -		- ·			.00				
386 Novelis A	AG	Novelis Switzerland SA	wholly owned subsidiary Hedging and Derivatives -	- Expense	NA 9	92.23	00 0.	.00				
387 Novelis A	AG	Novelis Casthouse Germany GmbH	wholly owned subsidiary Hedging and Derivatives -	- Income	NA 0	0.23 0	00 0.	.00				
388 Novelis A		Novelis Corporation	wholly owned subsidiary Hedging and Derivatives -					.00				
389 Novelis A		Novelis Deutschland GmbH Novelis Deutschland Holding GmbH	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
391 Novelis A		Novelis Inc.	wholly owned subsidiary Hedging and Derivatives -					.00				
392 Novelis A	AG	Novelis Italia	wholly owned subsidiary Hedging and Derivatives -	- Expense	NA 1	15.66 0	00 0.	.00				
	10	SpA Novelis Koblenz GmbH		lu com e	NA 4	44.29	00 0	00				
393 Novelis A		Novelis MEA Ltd	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
395 Novelis A		Novelis Netherlands B.V.	wholly owned subsidiary Hedging and Derivatives -					.00				
396 Novelis A		Novelis PAE S.A.S Novelis Sheet Ingot GmbH	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
398 Novelis A		Novelis UK Ltd.	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
399 Novelis A		Novelis	wholly owned subsidiary Hedging and Derivatives -					.00				
	412.2 11.12.1	Europe Holdings Limited				11004	00 0	00				
400 Novelis Al	ALR Rolled Products,	Novelis Corporation	wholly owned subsidiary Hedging and Derivatives -	- income	NA 1	110.34 0	00 0.	.00				
401 Novelis Co	Casthouse Germany	Novelis AG	wholly owned subsidiary Hedging and Derivatives -	- Income	NA 0	0.12 0	00 0.	.00				
401 Novelis Co			wholly owned subsidiary			7.07						
402 Novelis Co		Novelis AG Novelis ALR Rolled Products, LLC	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
404 Novelis Co	Corporation	Novelis Holdings Inc.	wholly owned subsidiary Hedging and Derivatives -	- Income	NA 5	50.40 0	00 0.	.00				
405 Novelis Co	•	Novelis Koblenz GmbH	wholly owned subsidiary Hedging and Derivatives -					.00				
	Deutschland GmbH Deutschland GmbH	Novelis AG Novelis Koblenz GmbH	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
Novelis De	Deutschland Holding	Novelis AG	Hedging and Derivatives -					.00				
408 GmbH			wholly owned subsidiary									
409 Novelis Ho		Novelis Corporation Novelis AG	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00				
410 Novelis In		Novelis AG Novelis Corporation	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -		<u> </u>			.00		 		
412 Novelis Ita	Italia	Novelis AG	wholly owned subsidiary Hedging and Derivatives -		NA 5	59.26 0	00 0.	.00				
412 SpA 413 Novelis Ko	Kohlonz Cmb U	Novalis AC		Evnores	NA -	10.09 0	00 0	00		+		<u> </u>
413 Novelis Ko		Novelis AG Novelis Corporation	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00		+ + + + + + + + + + + + + + + + + + + +		
415 Novelis Ko	Koblenz GmbH	Novelis Deutschland GmbH	wholly owned subsidiary Hedging and Derivatives -	- Expense	NA 7	7.87 0	00 0.	.00				
416 Novelis M	MEA Ltd Netherlands B.V.	Novelis AG	wholly owned subsidiary Hadging and Derivatives					.00		 		
41/ Novelis Novelis PA		Novelis AG Novelis AG	wholly owned subsidiary Hedging and Derivatives - wholly owned subsidiary Hedging and Derivatives -					.00		+ + + + + + + + + + + + + + + + + + + +		
419 Novelis Sh	Sheet Ingot GmbH	Novelis AG	wholly owned subsidiary Hedging and Derivatives -	- Income	NA 0	0.09	00 0.	.00				
420 Novelis U		Novelis AG	wholly owned subsidiary Hedging and Derivatives -		<u> </u>			.00				
421 Novelis Europe H	Holdings Limited	Novelis AG	wholly owned subsidiary Hedging and Derivatives -	- ıncome	NA 1	1.09 0	00 0.	.00				
422 Aleris Asia	Asia Pacific Limited	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Interest Income					.00				
423 Novelis		Novelis Netherlands B.V.	wholly owned subsidiary		NA 8	3.99 0	00 0.	.00				
Switzerlar							00 0.	.00		 		
	(Ching) Aluminum	Novelis Aluminum (7heniigna) Co. 1td	Interest Income	l l	NA I	13.90 I ^			-		•	1
Products ((China) Aluminum rs Co., Ltd.	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary		NA 1	13.90 0	0.					
Novelis (S	rs Co., Ltd. (Shanghai) Aluminum	Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary					.00				
425 Novelis (S Trading C	rs Co., Ltd. (Shanghai) Aluminum g Company	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary wholly owned subsidiary Interest Income		NA 0	0.48	00 0.	.00				
Novelis (S	(Shanghai) Aluminum g Company AG		wholly owned subsidiary		NA 0	D.48 0 D.01 0	00 0.					
425 Novelis (S Trading C 426 Novelis A 427 Novelis A Novelis A	(Shanghai) Aluminum g Company AG AG	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Interest Expense		NA 0 NA 1	0.48 0 0.01 0 1.31 0	00 0. 00 0. 00 0.	.00				
425 Novelis (S Trading C 426 Novelis A 427 Novelis A 428 Novelis A	rs Co., Ltd. (Shanghai) Aluminum g Company AG AG AG	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA	wholly owned subsidiary Interest Expense wholly owned subsidiary		NA 0 NA 1 NA 1	0.48 0 0.01 0 1.31 0 10.26 0	00 0. 00 0. 00 0. 00 0.	.00				
425 Novelis (S Trading C 426 Novelis A 427 Novelis A Novelis A	rs Co., Ltd. (Shanghai) Aluminum g Company AG AG AG	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis	wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Interest Expense		NA 0 NA 1 NA 1 NA 8	0.48 0 0.01 0 1.31 0 10.26 0	00 0. 00 0. 00 0. 00 0. 00 0.	.00				
425 Novelis (S Trading C 426 Novelis A 427 Novelis A 428 Novelis A 429 Novelis A 430 Novelis A 431 Novelis A	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income		NA 0 NA 1 NA 1 NA 1 NA 3 NA 9	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00				
425 Novelis (S Trading C 426 Novelis At 427 Novelis At 428 Novelis At 429 Novelis At 430 Novelis At 431 Novelis At 432 Novelis At	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH	wholly owned subsidiary Interest Expense wholly owned subsidiary Interest Income wholly owned subsidiary Interest Expense		NA 0 NA 1 NA 1 NA 1 NA 3 NA 8 NA 9 NA 9	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00				
425 Novelis (S Trading C 426 Novelis A 427 Novelis A 428 Novelis A 429 Novelis A 430 Novelis A 431 Novelis A	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income		NA 0 NA 1 NA 1 NA 1 NA 3 NA 8 NA 9 NA 9	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00				
425 Novelis (S Trading C 426 Novelis At 427 Novelis At 428 Novelis At 429 Novelis At 430 Novelis At 431 Novelis At 432 Novelis At	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Italia	wholly owned subsidiary Interest Expense wholly owned subsidiary Interest Income Interest Income		NA 0 NA 1 NA 1 NA 1 NA 3 NA 9 NA 9 NA 5 NA 5	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0 5.52 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00				
425 Novelis (S) Trading C) 426 Novelis A(427 Novelis A(428 Novelis A(429 Novelis A(430 Novelis A(431 Novelis A(432 Novelis A(432 Novelis A(433 Novelis A(434 Novelis A(435 Novelis A(435 Novelis A(435 Novelis A(436 Novelis A(437 Novelis A(437 Novelis A(438 Novelis A(438 Novelis A(439 Novel	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Italia SpA Novelis Koblenz GmbH Novelis Netherlands B.V.	wholly owned subsidiary Interest Expense		NA 0 NA 1 NA 1 NA 1 NA 3 NA 9 NA 9 NA 5 NA 5 NA 5	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0 5.52 0 4.14 0 1.83 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00 .00				
425 Novelis (S) Trading C) 426 Novelis A(427 Novelis A(428 Novelis A(429 Novelis A(430 Novelis A(431 Novelis A(431 Novelis A(432 Novelis A(433 Novelis A(434 Novelis A(435 Novelis A(436 Novelis A(436 Novelis A(AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Italia SpA Novelis Koblenz GmbH Novelis Netherlands B.V. Novelis PAE S.A.S	wholly owned subsidiary Interest Expense		NA 0 NA 0 NA 1 NA 1 NA 1 NA 3 NA 3 NA 9 NA 5 NA 5 NA 5 NA 4 NA 2	0.48 0 0.01 0 1.31 0 10.26 0 8.49 0 3.48 0 92.46 0 5.69 0 5.52 0 4.14 0 1.83 0 2.77 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00				
425 Novelis (S) Trading C) 426 Novelis A(427 Novelis A(428 Novelis A(429 Novelis A(430 Novelis A(431 Novelis A(432 Novelis A(432 Novelis A(433 Novelis A(434 Novelis A(435 Novelis A(436 Novelis A(437 Novelis A(438 Novel	AG A	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Italia SpA Novelis Koblenz GmbH Novelis Netherlands B.V. Novelis PAE S.A.S Novelis Sheet Ingot GmbH Novelis UK Ltd.	wholly owned subsidiary Interest Expense		NA 0 NA 1 NA 1 NA 1 NA 3 NA 9 NA 5 NA 5 NA 5 NA 5 NA 6 NA 6 NA 7	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0 5.52 0 4.14 0 1.83 0 2.77 0 4.03 0 33.22 0	00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0.	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00				
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425 Novelis (S) Trading C) 426 Novelis Ad 427 Novelis Ad 428 Novelis Ad 429 Novelis Ad 430 Novelis Ad 431 Novelis Ad 432 Novelis Ad 433 Novelis Ad 434 Novelis Ad 435 Novelis Ad 436 Novelis Ad 437 Novelis Ad 438 Novelis Ad 439 Novelis Ad 439 Novelis Ad 430 Novelis Ad 431 Novelis Ad 432 Novelis Ad 433 Novelis Ad 434 Novelis Ad 435 Novelis Ad 436 Novelis Ad 437 Novelis Ad 438 Novelis Ad 439 Novelis Ad 440 Novelis Ad 441 Novelis Ad 441 Novelis Ad 442 Unlimited 443 Novelis Ad 444 Novelis Co GmbH 445 Novelis Co 448 Novelis Co 449 Novelis Co 450 Novelis Co 451 Novelis Co 451 Novelis Co 452 Novelis Do 453 Novelis Do 454 Novelis Do 455 GmbH 456 GmbH 456 GmbH 457 Novelis Do GmbH 458 Novelis Do GmbH	s Co., Ltd. (Shanghai) Aluminum (Shanghai) Aluminum (Sompany AG	Novelis (China) Aluminum Products Co., Ltd. Aleris Aluminum UK Limited Aleris Switzerland Gmbh Novelis Switzerland SA Novelis Aluminium Holding Unlimited Co Novelis Casthouse Germany GmbH Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Italia SpA Novelis Koblenz GmbH Novelis Netherlands B.V. Novelis PAE S.A.S Novelis Sheet Ingot GmbH Novelis UK Ltd. Novelis Corporation Novelis Inc. Novelis AG Novelis AG Novelis AG Novelis ALR International, Inc. Novelis Koblenz GmbH Novelis GEO Inc. Novelis AG Novelis Holdings Inc. Novelis AG Novelis Holdings Inc. Novelis AG Novelis AUminium Holding Unlimited Co Novelis AG Novelis Aluminium Holding Unlimited Co Novelis AG Novelis Aluminium Holding Unlimited Co Novelis AG Novelis Aluminium Holding Unlimited Co Novelis AG Novelis AG Novelis Holdings Inc. Novelis AG Novelis Deutschland GmbH Novelis AG Novelis Sheet Ingot GmbH Novelis AG Novelis Conada Inc. Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary wholly		NA 0 NA 0 NA 1 NA 1 NA 3 NA 3 NA 9 NA 9 NA 9 NA 1 NA 0 NA 2 NA 0 NA 1 NA <td< td=""><td>0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0 5.52 0 4.14 0 1.83 0 2.77 0 4.03 0 33.22 0 1.32 0 1.97.78 0 5.21 0 0.51 0 0.51 0 0.52 0 0.53 0 0.34 0 0.34 0 0.34 0 0.31 0 0.31 0 0.569 0 0.04 0 1.06 0 41.87 0 1.08 0 55.46 0</td><td>00</td><td>.00</td><td></td><td></td><td></td><td></td></td<>	0.48 0 0.01 0 1.31 0 10.26 0 3.49 0 3.48 0 92.46 0 5.69 0 5.52 0 4.14 0 1.83 0 2.77 0 4.03 0 33.22 0 1.32 0 1.97.78 0 5.21 0 0.51 0 0.51 0 0.52 0 0.53 0 0.34 0 0.34 0 0.34 0 0.31 0 0.31 0 0.569 0 0.04 0 1.06 0 41.87 0 1.08 0 55.46 0	00	.00				

462	Novelis Inc.	Novelis	wholly owned subsidiary	NA (0.30	0.00	0.00					
	Novelis Italia	Europe Holdings Limited Novelis AG	Interest Income	NA (0.01	0.00	0.00					
463	SpA	N. J. A.C.	wholly owned subsidiary	NA	4.1.4	0.00	0.00					
	Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis AG Novelis Deutschland Holding GmbH	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income			0.00	0.00					
	Novelis Netherlands B.V. Novelis Netherlands B.V.	Novelis Corporation Novelis Holdings Inc.	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income		9.54 23.92	0.00	0.00					
	Novelis PAE S.A.S	Novelis AG	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income	NA ;	3.05	0.00	0.00					
469	Novelis Services Limited (UK)	Novelis Europe Holdings Limited	wholly owned subsidiary	NA 7	78.37	0.00	0.00					
	Novelis Sheet Ingot GmbH	Novelis AG	wholly owned subsidiary Interest Income			0.00	0.00					
	Novelis Sheet Ingot GmbH Novelis UK Ltd.	Novelis Aluminium Holding Unlimited Co Novelis AG	wholly owned subsidiary Interest Income wholly owned subsidiary Interest Income		60.38 33.73	0.00	0.00					
473	Novelis	Novelis AG	wholly owned subsidiary Interest Income		1.47	0.00	0.00					
	Europe Holdings Limited Novelis Inc.	Novelis do Brasil Ltda.	wholly owned subsidiary License Agreement	NA :	266.67	0.00	0.00					
475	Novelis Services Limited (UK)	Novelis	wholly owned subsidiary License Agreement		2.69	0.00	0.00					
	Novelis Services Limited (UK)	Switzerland SA Novelis (China) Aluminum Products Co., Ltd.	License Agreement	NA (6.23	0.00	0.00					
476			wholly owned subsidiary									
477	Novelis Services Limited (UK)	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary	NA	15.66	0.00	0.00					
478	Novelis Services Limited (UK)	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary	NA :	2.90	0.00	0.00					
470	Novelis Services Limited (UK)	Novelis Casthouse Germany GmbH	License Agreement	NA T	1.24	0.00	0.00					
479	Novelis Services Limited (UK)	Name to Company to	wholly owned subsidiary	NA (67.11	0.00	0.00					
480	Novells Services Limited (UK)	Novelis Corporation	wholly owned subsidiary License Agreement	INA I	57.11	0.00	0.00					
481	Novelis Services Limited (UK)	Novelis Deutschland GmbH	wholly owned subsidiary	NA A	40.30	0.00	0.00					
482	Novelis Services Limited (UK)	Novelis Inc.	wholly owned subsidiary License Agreement	NA ;	3.30	0.00	0.00					
	Novelis Services Limited (UK)	Novelis Italia	License Agreement	NA ;	3.16	0.00	0.00					
483		SpA	wholly owned subsidiary									
484	Novelis Services Limited (UK)	Novelis Koblenz GmbH	wholly owned subsidiary	NA	9.91	0.00	0.00					
485	Novelis Services Limited (UK)	Novelis Korea Limited	wholly owned subsidiary License Agreement	NA	13.30	0.00	0.00					
	Novelis Services Limited (UK)	Novelis MEA Ltd	License Agreement	NA 8	8.57	0.00	0.00					
486			wholly owned subsidiary									
487	Novelis Corporation	Logan Aluminum Inc.	Joint Operation of Purchase of Services 4000.0 Hindalco subsidiary			0.00	0.00					
	Novelis Switzerland SA	Novelis AG	wholly owned subsidiary Sale of Goods	NA ;	3.51	0.00	0.00					
400	Novelis	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA	131.34	0.00	0.00					
	Switzerland SA Novelis	Novelis Deutschland GmbH	Sale of Goods	NA :	2668.41	0.00	0.00					
	Switzerland SA	Trovens Devisariana Cinibit	wholly owned subsidiary									
491	Novelis Switzerland SA	Novelis Italia SpA	wholly owned subsidiary	NA	186.89	0.00	0.00					
492	Novelis	Novelis Koblenz GmbH	wholly owned subsidiary Sale of Goods	NA (0.24	0.00	0.00					
	Switzerland SA Novelis	Novelis Korea Limited	Sala of Goods	NA (0.15	0.00	0.00					
493	Switzerland SA		wholly owned subsidiary									
494	Novelis (China) Aluminum Products Co., Ltd.	Novelis Korea Limited	wholly owned subsidiary	NA Z	74.40	0.00	0.00					
495	Novelis AG	Novelis	wholly owned subsidiary	NA	1122.31	0.00	0.00					
	Novelis AG	Switzerland SA Novelis Casthouse Germany GmbH	wholly owned subsidiary Sale of Goods	NA I	1.03	0.00	0.00					
	Novelis AG	Novelis Deutschland GmbH	wholly owned subsidiary Sale of Goods		3381.37	0.00	0.00					
	Novelis AG Novelis AG	Novelis Koblenz GmbH Novelis UK Ltd.	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods		7.78	0.00	0.00					
500	Novelis ALR Rolled Products,	Novelis ALR Rolled Products, LLC	wholly owned subsidiary Sale of Goods	NA	138.69	0.00	0.00					
501	Novelis ALR Rolled Products,	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA (0.62	0.00	0.00					
	nc. Novelis ALR Rolled Products,	Novelis ALR Aluminum, LLC	Sala of Coods	NA ;	39.47	0.00	0.00					
502	nc.		wholly owned subsidiary				0.00					
503	Novelis ALR Rolled Products,	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary	NA C	909.92	0.00	0.00					
504	Novelis ALR Rolled Products,	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA ;	3.36	0.00	0.00					
	LC Novelis ALR Rolled Products,	Novelis ALR Aluminum, LLC	Sale of Goods	I NA	51.69	0.00	0.00					
505	LC		wholly owned subsidiary									
506	Novelis Casthouse Germany GmbH	Novelis Switzerland SA	wholly owned subsidiary Sale of Goods	NA 2	23.91	0.00	0.00					
507	Novelis Casthouse Germany GmbH	Novelis AG	wholly owned subsidiary Sale of Goods	NA (0.43	0.00	0.00					
	1 lt C 1 C	Novelis Koblenz GmbH	Sale of Goods	NA 7	795.60	0.00	0.00					
	Sovelis Casthouse Germany GmbH Novelis Corporation	Novelis ALR Rolled Products, Inc.	wholly owned subsidiary wholly owned subsidiary Sale of Goods	NA (63.94	0.00	0.00					
510	Novelis Corporation	Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC	wholly owned subsidiary Sale of Goods	NA (62.79	0.00	0.00					
	Novelis Corporation Novelis Corporation	Novelis Inc. Novelis ALR Aluminum, LLC	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods		2780.22 56.62	0.00	0.00					
513	Novelis Corporation	Novelis ALR Recycling of Ohio, LLC	wholly owned subsidiary Sale of Goods	NA T	101.62	0.00	0.00					
514	Novelis Deutschland GmbH	Novelis Switzerland SA	wholly owned subsidiary	NA	506.71	0.00	0.00					
	Novelis Deutschland GmbH	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Sale of Goods			0.00	0.00					
	Novelis Deutschland GmbH Novelis Deutschland GmbH	Novelis AG Novelis Casthouse Germany GmbH	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods			0.00	0.00					
518	Novelis Deutschland GmbH	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA T	194.98	0.00	0.00		_			
	Novelis Deutschland GmbH Novelis Deutschland GmbH	Novelis Inc. Novelis Italia	wholly owned subsidiary Sale of Goods Sale of Goods			0.00	0.00					
520	Novelis Deutschland GmbH	SpA Novelis Koblenz GmbH	wholly owned subsidiary			0.00	0.00					
522	Novelis Deutschland GmbH	Novelis Koblenz GmbH Novelis UK Ltd.	wholly owned subsidiary Sale of Goods	NA I	104.30	0.00	0.00					
	Novelis do Brasil Ltda. Novelis do Brasil Ltda.	Novelis Corporation Novelis Korea Limited	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods			0.00	0.00					
	Novelis Inc.	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA Z	2418.93	0.00	0.00					
526	Novelis Italia SpA	Novelis Switzerland SA	wholly owned subsidiary Sale of Goods	NA	17.45	0.00	0.00					
527	Novelis Italia	Novelis AG	wholly owned subsidiary Sale of Goods	NA (6.81	0.00	0.00					
	SpA Novelis Italia	Novelis Deutschland GmbH	Sale of Goods	NA S	5.05	0.00	0.00					
528	SpA		wholly owned subsidiary									
529	Novelis Koblenz GmbH	Novelis Switzerland SA	wholly owned subsidiary	NA S	3.99	0.00	0.00					
	Novelis Koblenz GmbH	Novelis AG	wholly owned subsidiary Sale of Goods			0.00	0.00					
	Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis Casthouse Germany GmbH Novelis Deutschland GmbH	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods			0.00	0.00					
533	Novelis Koblenz GmbH	Novelis PAE S.A.S	wholly owned subsidiary Sale of Goods	NA (0.33	0.00	0.00					
	Novelis Koblenz GmbH	Novelis UK Ltd.	wholly owned subsidiary Sale of Goods	NA A	4.51	0.00	0.00	1		1	1	

535										
	Novelis Korea Limited	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Sale of Goods	□ NA	1467.29	0.00	0.00			
	Novelis Korea Limited	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA	1078.74	0.00	0.00			
	Novelis Korea Limited	Novelis do Brasil Ltda.	wholly owned subsidiary Sale of Goods	NA			0.00			
	Novelis Korea Limited	Novelis MEA Ltd	wholly owned subsidiary Sale of Goods	NA NA			0.00			
	Novelis MEA Ltd Novelis Sheet Ingot GmbH	Novelis Korea Limited Novelis AG	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods	NA NA			0.00			
	Novelis UK Ltd.	Novelis	Sale of Goods				0.00			
541		Switzerland SA	wholly owned subsidiary							
	Novelis UK Ltd.	Novelis AG	wholly owned subsidiary Sale of Goods	NA			0.00			
	Novelis UK Ltd.	Novelis Deutschland GmbH	wholly owned subsidiary Sale of Goods	NA NA			0.00			
	Novelis ALR Aluminum, LLC Novelis ALR Aluminum, LLC	Novelis ALR Rolled Products, Inc. Novelis ALR Rolled Products, LLC	wholly owned subsidiary Sale of Goods wholly owned subsidiary Sale of Goods	NA NA	<u> </u>		0.00			
	Novelis ALR Aluminum, LLC	Novelis Corporation	wholly owned subsidiary Sale of Goods	NA NA			0.00			
E 47	Aleris (Shanghai) Trading	Aleris Aluminum Japan, Ltd.	Purchase of Services	NA			0.00			
	Co., Ltd.		wholly owned subsidiary							
1 5/1X	Aleris (Shanghai) Trading	Novelis ALR International, Inc.	wholly owned subsidiary	NA	14.69	0.00	0.00			
	Co., Ltd. Aleris (Shanghai) Trading	Novelis Koblenz GmbH	Purchase of Services	NA	0.00	0.00	0.00			
549	Co., Ltd.		wholly owned subsidiary							
550	Aleris Aluminum Japan, Ltd.	Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary Purchase of Services	NA	0.02	0.00	0.00			
551	Aleris Aluminum Japan, Ltd.	Novelis (Shanghai) Aluminum Trading Company	wholly owned subsidiary	NA	0.44	0.00	0.00			
550	Aleris Aluminum Japan, Ltd.	Novelis Koblenz GmbH	wholly owned subsidiary Purchase of Services	NA	0.46	0.00	0.00			
	Novelis	Novelis AG	Sale of Services	NA NA			0.00			
553	Switzerland SA		wholly owned subsidiary							
_{E E A} 1	Novelis	Novelis Corporation	wholly owned subsidiary Sale of Services	NA	3.55	0.00	0.00			
-	Switzerland SA	N		NA.	1.01	0.00	0.00			
555	Novelis Switzerland SA	Novelis Deutschland GmbH	wholly owned subsidiary	NA	1.01	0.00	0.00			
	Novelis	Novelis Inc.	Sale of Services	NA	3.10	0.00	0.00			
556	Switzerland SA		wholly owned subsidiary							
	Novelis (China) Aluminum	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Sale of Services	NA	6.19	0.00	0.00	 		
	Products Co., Ltd. Novelis (China) Aluminum	Novelis Korea Limited	Sale of Services	NA	0.31	0.00	0.00	 		
	Products Co., Ltd.	Novella Roled Limilled	wholly owned subsidiary		5.51	0.00	·····			
-	Novelis (Shanghai) Aluminum	Aleris Aluminum Japan, Ltd.	wholly owned subsidiary Sale of Services	NA	0.42	0.00	0.00			
339	Trading Company				1.0:	2.55				
	Novelis (Shanghai) Aluminum	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Sale of Services	NA	5.26	0.00	0.00			
ì	Trading Company Novelis AG	Novelis	Sale of Services	NA	71.61	0.00	0.00	 		
561	1.07013.70	Switzerland SA	wholly owned subsidiary		/ 1.01	5.55	·····			
562	Novelis AG	Novelis Casthouse Germany GmbH	wholly owned subsidiary Sale of Services		<u> </u>	0.00	0.00	 		
	Novelis AG	Novelis Deutschland GmbH	wholly owned subsidiary Sale of Services				0.00			
	Novelis AG	Novelis Inc.	wholly owned subsidiary Sale of Services				0.00			
565	Novelis AG	Novelis Italia SpA	wholly owned subsidiary	NA	30.61	0.00	0.00			
566	Novelis AG	Novelis Koblenz GmbH	wholly owned subsidiary Sale of Services	NA	43.54	0.00	0.00	 		
	Novelis AG	Novelis Korea Limited	wholly owned subsidiary Sale of Services	NA	<u> </u>		0.00			
	Novelis AG	Novelis PAE S.A.S	wholly owned subsidiary Sale of Services	NA			0.00			
	Novelis AG	Novelis UK Ltd.	wholly owned subsidiary Sale of Services		+		0.00			
	Novelis ALR Rolled Products Sales Corporation	Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary	NA	1.81	0.00	0.00			
	Novelis ALR Rolled Products	Novelis Koblenz GmbH	Sale of Services	NA	2.58	0.00	0.00			
	Sales Corporation		wholly owned subsidiary							
	Novelis Aluminium Holding	Novelis AG	wholly owned subsidiary	NA	9.95	0.00	0.00			
<u> </u>	Unlimited Co	Navalia Dautashland Cookil		NIA.	7.44	0.00	0.00			
573	Novelis Aluminium Holding Unlimited Co	Novelis Deutschland GmbH	wholly owned subsidiary	NA	7.44	0.00	0.00			
	Novelis Aluminium Holding	Novelis Sheet Ingot GmbH	Sale of Services	NA	0.83	0.00	0.00			
	Unlimited Co		wholly owned subsidiary							
	Novelis Aluminum (Zhenjiang)	Aleris (Shanghai) Trading Co., Ltd.	wholly owned subsidiary Sale of Services	NA	3.90	0.00	0.00			
	Co., Ltd.	Navalia (China) Aluminum Duadunta Call Ital		NA.	0.22	0.00	0.00			
576	Novelis Aluminum (Zhenjiang) Co., Ltd.	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary	NA	0.32	0.00	0.00			
l li	Novelis Corporation	Novelis	Sale of Services	NA	0.06	0.00	0.00			
577		Switzerland SA	wholly owned subsidiary							
	Novelis Corporation	Novelis AG	wholly owned subsidiary Sale of Services	NA			0.00			
	Novelis Deutschland GmbH Novelis Deutschland GmbH	Novelis AG Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00			
	Novelis Deutschland GmbH	Novelis Casthouse Germany GmbH	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00			
	Novelis Deutschland GmbH	Novelis Corporation	wholly owned subsidiary Sale of Services	NA			0.00			
	Novelis Deutschland GmbH	Novelis Inc.	wholly owned subsidiary Sale of Services	NA			0.00			
584	Novelis Deutschland GmbH	Novelis Italia	wholly owned subsidiary	NA	0.40	0.00	0.00			
	Novelis Deutschland GmbH	SpA Novelis Koblenz GmbH	wholly owned subsidiary Sale of Services	NA	8.67	0.00	0.00			
	Novelis Deutschland Gmbh Novelis do Brasil Ltda.	Novelis Corporation	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00			
587	Novelis do Brasil Ltda.	Novelis Inc.	wholly owned subsidiary Sale of Services	NA	17.35	0.00	0.00			
	Novelis do Brasil Ltda.	Novelis Korea Limited	wholly owned subsidiary Sale of Services	NA			0.00			
	Novelis GEO Inc. Novelis GEO Inc.	Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Inc.	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00	 		
	Novelis GEO Inc. Novelis GEO Inc.	Novelis Korea Limited	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00	 		
592	Novelis Inc.	Novelis (China) Aluminum Products Co., Ltd.	wholly owned subsidiary Sale of Services	NA	29.81	0.00	0.00			
	Novelis Inc.	Novelis AG	wholly owned subsidiary Sale of Services				0.00			
	Novelis Inc.	Novelis ALR International, Inc. Novelis ALR Rolled Products, Inc.	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA	<u> </u>		0.00	 		
	Novelis Inc. Novelis Inc.	Novelis ALR Rolled Products, Inc. Novelis Aluminum (Zhenjiang) Co., Ltd.	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA			0.00	 		
	Novelis Inc.	Novelis Corporation	wholly owned subsidiary Sale of Services Wholly owned subsidiary Sale of Services				0.00			<u></u>
	Novelis Inc.	Novelis do Brasil Ltda.	wholly owned subsidiary Sale of Services	NA	159.40	0.00	0.00			
	Novelis Inc.	Novelis Koron Limited	wholly owned subsidiary Sale of Services				0.00	 		
600		Novelis Korea Limited	wholly owned subsidiary Sale of Services	NA NA			0.00	 		
601		Novelis MEA Ltd	Wholly owned subsidiary - Ibale of bervices	1			0.00			
	Novelis Inc. Novelis Italia	Novelis MEA Ltd Novelis AG	wholly owned subsidiary Sale of Services Sale of Services	NA	2.07	0.00		1	-	ļ '
602	Novelis Inc. Novelis Italia SpA	Novelis AG	wholly owned subsidiary Sale of Services	NA						
602	Novelis Inc.		Sale of Services	NA NA			0.00			
602	Novelis Inc. Novelis Italia SpA Novelis Italia SpA	Novelis AG Novelis Corporation	wholly owned subsidiary Sale of Services Wholly owned subsidiary Sale of Services	NA NA	0.66	0.00	0.00			
602	Novelis Inc. Novelis Italia SpA	Novelis AG	wholly owned subsidiary Sale of Services	NA NA	0.66	0.00				
602	Novelis Inc. Novelis Italia SpA Novelis Italia SpA	Novelis AG Novelis Corporation	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services Sale of Services	NA NA	0.66	0.00	0.00			
602 603 604 605 606	Novelis Inc. Novelis Italia SpA Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd.	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services	NA NA NA NA	2.14 2.20 0.46	0.00 (0.00 0.00 0.00 0.00			
602 603 604 605 606 607	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services	NA NA NA NA NA NA	0.66 2.14 2.20 0.46 7.81	0.00 (0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services Sale of Services	NA NA NA NA NA NA NA	0.66 2.14 2.20 0.46 7.81 0.43	0.00 (0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Koblenz GmbH Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services	NA NA NA NA NA NA NA NA	0.66 2.14 2.20 0.46 7.81 0.43 57.57	0.00 (0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609 610 611	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation	wholly owned subsidiary Sale of Services wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services Sale of Services	NA	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609 610 611 612	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH	wholly owned subsidiary wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary wholly owned subsidiary Sale of Services Sale of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609 610 611 612 613	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH	wholly owned subsidiary sale of Services wholly owned subsidiary yale of Services wholly owned subsidiary purchase of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609 610 611 612 613 614	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Inc.	wholly owned subsidiary wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10 5.52	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 610 611 612 613 614 615 615	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH	wholly owned subsidiary sale of Services wholly owned subsidiary yale of Services wholly owned subsidiary purchase of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10 5.52 0.63	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00			
602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Korea Limited Novelis Korea Limited	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Inc. Novelis (China) Aluminum Products Co., Ltd. Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Corporation	wholly owned subsidiary sale of Services wholly owned subsidiary wholly owned subsidiary sale of Services wholly owned subsidiary wholly owned subsidiary sale of Services wholly owned subsidiary sale of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10 5.52 0.63 0.23 0.78	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			
602 603 604 605 606 607 608 610 611 612 613 614 615 616 617 618 618	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Korea Limited Novelis Korea Limited Novelis Korea Limited Novelis Korea Limited	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Inc. Novelis (China) Aluminum Products Co., Ltd. Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Corporation Novelis Corporation Novelis GEO Inc.	wholly owned subsidiary Sale of Services wholly owned subsidiary wholly owned subsidiary Sale of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10 5.52 0.63 0.23 0.78 0.05	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			
602 603 604 605 606 607 608 610 611 612 613 614 615 616 617 618 619	Novelis Inc. Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Italia SpA Novelis Koblenz GmbH Novelis Korea Limited Novelis Korea Limited	Novelis AG Novelis Corporation Novelis Inc. Aleris (Shanghai) Trading Co., Ltd. Aleris Aluminum Japan, Ltd. Novelis AG Novelis Aluminium Holding Unlimited Co Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Casthouse Germany GmbH Novelis Corporation Novelis Deutschland GmbH Novelis Deutschland Holding GmbH Novelis Inc. Novelis (China) Aluminum Products Co., Ltd. Novelis Aluminum (Zhenjiang) Co., Ltd. Novelis Corporation	wholly owned subsidiary sale of Services wholly owned subsidiary wholly owned subsidiary sale of Services wholly owned subsidiary wholly owned subsidiary sale of Services wholly owned subsidiary sale of Services	NA N	0.66 2.14 2.20 0.46 7.81 0.43 57.57 38.70 5.19 2.41 0.10 5.52 0.63 0.23 0.78 0.05 1.25	0.00 (0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			

621 Novelis MEA Ltd	Novelis Inc.	wholly owned subsidiary	Sale of Services	NA	0.87	0.00	0.00		
622 Novelis PAE S.A.S	Novelis Deutschland GmbH	wholly owned subsidiary	Sale of Services	NA	1.27	0.00	0.00		
623 Novelis PAE S.A.S	Novelis Italia SpA	wholly owned subsidiary	Sale of Services	NA	0.57	0.00	0.00		
624 Novelis Sheet Ingot GmbH	Novelis Aluminium Holding Unlimited Co	wholly owned subsidiary	Sale of Services	NA	5.91	0.00	0.00		
625 Novelis UK Ltd.	Novelis Switzerland SA	wholly owned subsidiary	Sale of Services	NA	7.30	0.00	0.00		
626 Novelis UK Ltd.	Novelis AG	wholly owned subsidiary	Sale of Services	NA	0.77	0.00	0.00		
627 Novelis UK Ltd.	Novelis Corporation	wholly owned subsidiary	Sale of Services	NA	0.08	0.00	0.00		
628 Novelis Korea Limited	Ulsan Aluminum Ltd. (South Korea)	Joint Operation of Hindalco subsidiary	Purchase of Goods	18000.00 NA	3019.18	0.00	0		
629 Novelis Deutschland GmbH	Aluminium Norf GmbH	Joint Operation of Hindalco subsidiary	Purchase of Services	4000.00 NA	1304.27	0.00	0		
630 Novelis Korea Limited	Ulsan Aluminum Ltd.	Joint Operation of Hindalco subsidiary	Equity Contribution	NA	63.03	0.00	0		
631 Novelis Korea Limited	Ulsan Aluminum Ltd.	Joint Operation of Hindalco subsidiary	Sale of Goods	18000.00 NA	2595.76	0.00	0		
632 Novelis Switzerland SA	AluInfra Services SA	Joint Operation of Hindalco subsidiary	Purchase of Services	NA	30.02	0.00	0		
633 Novelis Corporation	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	1.85	1.87		
634 Novelis Inc.	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	1.01	1.02		
635 Novelis GEO	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	7.45	4.85		
636 Novelis Koblenz GmbH	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	3.10	0.27		
637 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.80	2.27		
638 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.00	0.11		
639 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	1.02	0.21		
640 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.62	0.01		
641 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.00	0.01		
642 Novelis do Brasil Ltda.	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.33	0.33		
643 Novelis do Brasil Ltda.	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.22	0.22		
644 Novelis Inc.	Hindalco Industries Limited	wholly owned subsidiary	Receivable	NA	0.00	0.14	0.14		
645 Novelis GEO	Hindalco Industries Limited	wholly owned subsidiary	Sale of Services	NA	3.68	0.00	0		
646 Novelis Koblenz GmbH	Hindalco Industries Limited	wholly owned subsidiary	Sale of Services	NA	1.36	0.00	0		
647 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Sales of Goods	NA	4.02	0.00	0		
648 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Sales of Goods	NA	0.14	0.00	0		
649 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Sales of Goods	NA	0.43	0.00	0		
650 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Sales of Goods	NA NA	0.01	0.00	0		
651 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Sales of Goods	NA	0.01	0.00	0		
652 Novelis PAE	Hindalco Industries Limited	wholly owned subsidiary	Advance from Customer	NA	1.47	0.00	0		

Notes:

1. The value of the related party transaction approved by the audit committee is shown as '0' for transactions where approved by the audit committee is not applicable as per Regulation 23 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 or for transactions by subsidiary (ies) which are not required to constitute audit committee or for transactions of subsidiaries with parties which are not related party of concerned subsidiary the counter party.

2. Remuneration paid to Directors/employees of Hindalco Industries Limited "the Company" and its subsidiaries, who are Directors / KMPs of the Company/subsidiaries, is not included in the above details.

3. The value of transactions is excluding tax.

4. If the amount is less than Rs 1,00,000 then the figure is shown as 0.00