



8th May 2023

To

BSE Limited, 1st Floor, New Trading Ring Rotunda Building, P J Towers Dalal Street, Fort Mumbai 400 001

National Stock Exchange of India Ltd. Plot No. C/1, G Block Bandra-Kurla Complex, Bandra (E) Mumbai 400 051

Dear Sir,

Sub: Disclosure under Regulation 23(9) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015

Stock Code: 513375

Stock Code: CARBORUNIV

Pursuant to the Regulation 23(9) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we enclose herewith the half-yearly disclosure of Related Party Transactions for the half year ended $31^{\rm st}$ March 2023 in the prescribed format.

This is for your information and records.

Thanking you,

Yours faithfully For Carborundum Universal Limited

Rekha Surendhiran Company Secretary

Encl.: a/a

De	arty transactions														+					
,	etails of the party (listed entity										Additional disclos	ure of related p		ns - applicab	le only in case the related party	transaction rela	tes to loans, int	er-corporate		
,	etails of the party (listed entity										deposits, advances or investments made or given by the liste			ted entity/subsidiary. These details need to be disclosed only once, during the hen such transaction was undertaken.						
									In case monies are due	to either party as a result	In case any financia	Lindobtodnossi	ir incurred to m	ako or givo						
Sr No.	/subsidiary) entering into the transaction	Details of the co	unterparty						of the tr	ransaction	In case any financial indebtedness is incurred to make or give loans, inter-corporate deposits, advances or investments			Details of the loans, inter-corporate deposits, advances or investments						
Sr No.	transaction					Value of the														
SI NO.				Type of related party	Details of other related party	related party	Remarks on approval by	Value of transaction during the reporting							Nature (loan/			Purpose for which the funds		
			Relationship of the	transaction	transaction	transaction as approved by the	audit committee	period			Nature of indebtedness (loan/	Details of			advance/ Interest Rate		Secured/	will be utilised		
	Name	Name	counterparty with the listed entity or its subsidiary			audit committee			Opening balance	Closing balance	issuance of debt/	other indebtedness	Cost	Tenure	intercorporat e deposit/ (%)	Tenure	unsecured	by the ultimate recipient of		
			, , , , , , , , , , , , , , , , , , , ,								any other etc.)				investment)			funds		
																		(endusage)		
1 Carl	borundum Universal Limited	Sudha Raman Relative of Director		Dividend paid			Dividend paid	0.00	0.00	0.00										
2 Carb	borundum Universal Limited	S N Talwar	Relative of Director	Dividend paid			Dividend paid	0.08	0.00	0.00										
	borundum Universal Limited borundum Universal Limited		Key managerial person Key managerial person	Dividend paid Dividend paid			Dividend paid Dividend paid	0.30 0.01												
5 Cart	borundum Universal Limited	N Ananthaseshan	Key managerial person	Dividend paid			Dividend paid	0.22	0.00	0.00										
6 Carb	borundum Universal Limited		Key managerial person Other related party -	Dividend paid			Dividend paid	0.13	0.00	0.00										
7 Carb	borundum Universal Limited	M V SIVAKUMARAN	Other related party - Subsidiary Related parties	Dividend paid			Dividend paid	0.07	0.00	0.00										
8 Carb	borundum Universal Limited	Vinin Malik		Dividend paid			Dividend paid	0.02	0.00	0.00										
	borundum Universal Limited	0.01	Other related party - Subsidiary Related parties Other related party -	Dividend paid			Dividend paid	0.10	0.00									 		
10 Carb	borundum Universal Limited	P S Jayan	Subsidiary Related parties	Dividend paid			Dividend paid	0.13	0.00	0.00								 		
11 Carb	borundum Universal Limited	Nair Nandkumar P	Subsidiary Related parties	Dividend paid	<u></u>	<u></u>	Dividend paid	0.00	0.00	0.00										
12 Carl	borundum Universal Limited	NIRAV NITIN PARIKH	Other related party - Subsidiary Related parties	Dividend paid			Dividend paid	0.10	0.00	0.00										
		PRIYANKA SAKET DALAL jointly with	Other related party -																	
13 Carb	borundum Universal Limited	NIRAV NITIN PARIKH VAISHALI NIRAV PARIKH	Subsidiary Related parties	Dividend paid			Dividend paid	0.01	0.00	0.00										
14 Carb	borundum Universal Limited	jointly with NIRAV NITIN PARIKH	Subsidiary Related parties	Dividend paid			Dividend paid	0.00	0.00	0.00										
15 Carl	borundum Universal Limited	PAYAL AMOL SHETH jointly with	Other related party - Subsidiary Related parties	Dividend paid			Dividend paid	0.01	0.00	0.00										
		PAYAL AMOL SHETH jointly with	Other related party -																	
16 Carb	borundum Universal Limited	Anmol Shripal Sheth ASHA NITIN PARIKH jointly with	Subsidiary Related parties Other related party -	Dividend paid			Dividend paid	0.00	0.00	0.00										
17 Carb	borundum Universal Limited	NITIN SHANTILAL PARIKH	Subsidiary Related parties	Dividend paid			Dividend paid	0.01	0.00	0.00										
18 Carb	borundum Universal Limited	VIRAL ASHISH PATEL jointly with NITIN SHANTILAL PARIKH	Other related party - Subsidiary Related parties	Dividend paid			Dividend paid	0.00	0.00	0.00										
		NITIN SHANTILAL PARIKH jointly	Other related party -					0.04												
	borundum Universal Limited	VATSALA SRINIVASAN jointly with		Dividend paid			Dividend paid	0.01												
20 Carb	borundum Universal Limited	RANGARAJAN SRINIVASAN M A M ARUNACHALAM As a legal	Subsidiary Related parties Promoter and Promoter	Dividend paid			Dividend paid	0.00	0.00	0.00										
21 Cart	borundum Universal Limited	rep. of M A Murugappan HUF	Group	Dividend paid			Dividend paid	0.14	0.00	0.00										
22 Carl		M M MURUGAPPAN As a legal rep. of M M Muthiah HUF	Promoter and Promoter Group	Dividend paid			Dividend paid	0.50	0.00	0.00										
		M M MURUGAPPAN Karta of M M	Promoter and Promoter				,													
23 Carb	borundum Universal Limited		Group Promoter and Promoter	Dividend paid			Dividend paid	0.02	0.00	0.00										
24 Carb	borundum Universal Limited	UMAYAL.R.	Group	Dividend paid			Dividend paid	1.47	0.00	0.00										
25 Carb	borundum Universal Limited	A VENKATACHALAM Karta of HUF	Promoter and Promoter Group	Dividend paid			Dividend paid	0.00	0.00	0.00										
			Promoter and Promoter	Dividend paid			Dividend paid	0.20	0.00											
20 Care			Group Promoter and Promoter	Dividend paid			Dividend paid													
27 Carb		VELLACHI MURUGAPPAN M A M ARUNACHALAM Trustee of	Group	Dividend paid			Dividend paid	1.29	0.00	0.00										
	į.	Arun Murugappan Children Trust	Promoter and Promoter																	
28 Carb		AOP ARUN ALAGAPPAN Trustee of M A	Group	Dividend paid			Dividend paid	0.52	0.00	0.00								 		
		Alagappan Grandchildren Trust	Promoter and Promoter	L																
29 Carb	borundum Universal Limited	AOP	Group Promoter and Promoter	Dividend paid			Dividend paid	0.52	0.00											
30 Carb	borundum Universal Limited		Group Promoter and Promoter	Dividend paid			Dividend paid	1.51	0.00	0.00										
31 Carb	borundum Universal Limited	ARUN ALAGAPPAN	Group	Dividend paid			Dividend paid	0.71	0.00	0.00										
			Promoter and Promoter Group	Dividend paid			Dividend paid	1.18	0.00	0.00										
			Promoter and Promoter																	
33 Carb	borundum Universal Limited	LAKSHMI CHOCKA LINGAM	Group Promoter and Promoter	Dividend paid			Dividend paid	0.62	0.00	0.00										
34 Carb	borundum Universal Limited	A VELLAYAN	Group	Dividend paid			Dividend paid	0.45	0.00	0.00										
35 Carb	borundum Universal Limited	LALITHA VELLAYAN	Promoter and Promoter Group	Dividend paid			Dividend paid	0.17	0.00	0.00										
			Promoter and Promoter																	
		M A ALAGAPPAN Karta of M A	Group Promoter and Promoter	Dividend paid			Dividend paid	0.15										 		
37 Carb	borundum Universal Limited	ALAGAPPAN HUF	Group	Dividend paid			Dividend paid	0.28	0.00	0.00										
38 Carb		Murugappan HUF	Promoter and Promoter Group	Dividend paid			Dividend paid	0.32	0.00	0.00										
20.0		AA AA AAUDU CADDAAU	Promoter and Promoter Group	Dividend paid			Dividend paid	0.51	0.00	0.00										
		MA ALAGAPPAN Karta of AMM	Promoter and Promoter				,	****												
	borundum Universal Limited		Group Promoter and Promoter	Dividend paid			Dividend paid	0.45	0.00	0.00								 		
40 Carb	borundum Universal Limited		Group	Dividend paid			Dividend paid	0.32	0.00	0.00										

		Promoter and Promoter										
42 Carborundum Universal Limited	M V SUBBIAH As a Karta of HUF	Group Promoter and Promoter	Dividend paid		Dividend paid	0.12	0.00	0.00				
43 Carborundum Universal Limited	MEENAKSHI MURUGAPPAN	Group	Dividend paid		Dividend paid	0.72	0.00	0.00				
		Promoter and Promoter										
44 Carborundum Universal Limited	VALLI ALAGAPPAN	Group Promoter and Promoter	Dividend paid		Dividend paid	0.02	0.00	0.00				
45 Carborundum Universal Limited	A VENKATACHALAM	Group	Dividend paid		Dividend paid	0.90	0.00	0.00				
		Promoter and Promoter										
46 Carborundum Universal Limited	V NARAYANAN	Group	Dividend paid		Dividend paid	0.31	0.00	0.00				
		Promoter and Promoter			P. 11 1 1	0.00	0.00					
47 Carborundum Universal Limited	V ARUNACHALAM	Group Promoter and Promoter	Dividend paid		Dividend paid	0.28	0.00	0.00				
48 Carborundum Universal Limited	ARUN VENKATACHALAM	Group	Dividend paid		Dividend paid	0.28	0.00	0.00				
		Promoter and Promoter										
49 Carborundum Universal Limited	SOLACHI RAMANATHAN	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
50 Carborundum Universal Limited	M V AR MEENAKSHI	Promoter and Promoter Group	Dividend paid		Dividend paid	0.55	0.00	0.00				
30 Carborandam Oniversar Emitted	W V AR WELLIARSHI	Promoter and Promoter	Dividend paid		Dividend paid	0.33	0.00	0.00				
51 Carborundum Universal Limited	A.KEERTIKA UNNAMALAI	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
		Promoter and Promoter										
52 Carborundum Universal Limited	UMA RAMANATHAN	Group Promoter and Promoter	Dividend paid		Dividend paid	0.00	0.00	0.00				
53 Carborundum Universal Limited	V VASANTHA	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
		Promoter and Promoter										
54 Carborundum Universal Limited	DHRUV M ARUNACHALAM	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
55 6 4		Promoter and Promoter	P. 11 - 1 - 11		B1 11 - 1 - 1 1	0.00	0.00					
55 Carborundum Universal Limited	PRANAV ALAGAPPAN	Group Promoter and Promoter	Dividend paid		Dividend paid	0.00	0.00	0.00				
56 Carborundum Universal Limited	KRISHNA MURUGAPPAN MUTHIAH		Dividend paid		Dividend paid	0.01	0.00	0.00				
		Promoter and Promoter										
57 Carborundum Universal Limited	AMBADI ENTERPRISES LTD	Group	Dividend paid		Dividend paid	0.58	0.00	0.00				
58 Carborundum Universal Limited	A M M VELLAYAN SONS P LTD	Promoter and Promoter Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
38 coronandum oniversal cimiled	VELOVIAIN SONS PEID	Promoter and Promoter	viuciiu palu		pure	0.00	0.00	0.00				
59 Carborundum Universal Limited	E.I.D.PARRY (INDIA) LTD.	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
		Promoter and Promoter										
60 Carborundum Universal Limited	M.M.MUTHIAH SONS PRIVATE LTD M.M.MUTHIAH RESEARCH	Group Promoter and Promoter	Dividend paid		Dividend paid	0.46	0.00	0.00				
61 Carborundum Universal Limited	FOUNDATION	Group	Dividend paid		Dividend paid	1.66	0.00	0.00				
		Promoter and Promoter										
62 Carborundum Universal Limited	AMBADI INVESTMENTS LIMITED	Group	Dividend paid		Dividend paid	84.08	0.00	0.00				
	CHOLAMANDALAM FINANCIAL	Promoter and Promoter			P. 11 1 1	0.04	0.00					
63 Carborundum Universal Limited	HOLDINGS LIMITED SUBBIAH.M.V, ALAGAPPAN M A	Group	Dividend paid		Dividend paid	0.01	0.00	0.00				
	and M M MURUGAPPAN holds on											
	behalf of the firm Murugappa &	Promoter and Promoter										
64 Carborundum Universal Limited	Sons	Group	Dividend paid		Dividend paid	0.00	0.00	0.00				
65 Carborundum Universal Limited	M A ALAGAPPAN HOLDINGS PRIVATE LIMITED	Promoter and Promoter Group	Dividend paid		Dividend paid	0.35	0.00	0.00				
03 carborandam oniversar cimica	M M VENKATACHALAM, Trustee of		Dividend paid		Dividend paid	0.33	0.00	0.00				
	Lakshmi Venkatachalam Family	Promoter and Promoter										
66 Carborundum Universal Limited	Trust	Group	Dividend paid		Dividend paid	0.30	0.00	0.00				
67 Carborundum Universal Limited	A A ALAGAMMAI, Trustee of Lakshmi Ramaswamy Family Trust	Promoter and Promoter	Dividend paid		Dividend paid	0.59	0.00	0.00				
67 Carborundum Oniversal Limited	SIGAPI ARUNACHALAM As a truste	e	Dividend paid		Dividend paid	0.59	0.00	0.00				
	of Murugappan Arunachalam	Promoter and Promoter										
68 Carborundum Universal Limited	Children Trust	Group	Dividend paid		Dividend paid	0.45	0.00	0.00				
	SOUTHERN ENERGY DEVELOPMEN	T December and December										
69 Carborundum Universal Limited	CORPORATION LTD	Group Promoter	Dividend paid		Dividend paid	3.67	0.00	0.00				
os ser ser ser ser ser ser ser ser ser se	M M VENKATACHALAM, Trustee of											
70 Carborundum Universal Limited	M V Muthiah Family Trust	Group	Dividend paid		Dividend paid	0.39	0.00	0.00				
71 6-4	M M MURUGAPPAN, Trustee of M		Dividend paid		Dividend and	0.53	0.00	0.00				
71 Carborundum Universal Limited	M Veerappan Family Trust M M VENKATACHALAM, trustee of	Group Promoter and Promoter	Dividend paid		Dividend paid	0.53	0.00	0.00				
72 Carborundum Universal Limited	M M Venkatachalam Family Trust	Group	Dividend paid		Dividend paid	0.33	0.00	0.00				
	M M VENKATACHALAM, Trustee of	Promoter and Promoter										
73 Carborundum Universal Limited	M V Subramanian Family Trust	Group	Dividend paid		Dividend paid	0.39	0.00	0.00				
74 Carborundum Universal Limited	M M MURUGAPPAN, Trustee of M M Muthiah Family Trust	Promoter and Promoter Group	Dividend paid		Dividend paid	0.53	0.00	0.00				
	MURUGAPPA EDUCATIONAL AND		Anna Pana									
75 Carborundum Universal Limited	MEDICAL FOUNDATION	Group	Dividend paid		Dividend paid	5.72	0.00	0.00				
75 0-1	AR.LAKSHMI ACHI TRUST	Promoter and Promoter	Dividend of 14		Dividend and	0.23	0.00	0.00				
76 Carborundum Universal Limited	AR.LAKSHMI ACHI TRUST M V SUBBIAH, trustee of Saraswati	Group ni Promoter and Promoter	Dividend paid		Dividend paid	U.23	0.00	0.00				
77 Carborundum Universal Limited	Trust	Group	Dividend paid		Dividend paid	0.58	0.00	0.00				
	M V SUBBIAH, trustee of Shambho	Promoter and Promoter	·									
78 Carborundum Universal Limited	Trust	Group	Dividend paid		Dividend paid	1.08	0.00	0.00				
79 Carborundum Universal Limited	M A MURUGAPPAN HOLDINGS LLP	Promoter and Promoter	Dividend paid		Dividend paid	0.35	0.00	0.00				
7.5 Car por andum Universal Limited	A MIOROGAF PAIN HOLDINGS LLP	Promoter and Promoter	Dividend pald		o viuenu paiu	0.33	0.00	0.00				
80 Carborundum Universal Limited	VALLIAMMAI MURUGAPPAN	Group	Dividend paid	<u> </u>	Dividend paid	0.08	0.00	0.00		 		
	VALLI ARUNACHALAM	Promoter and Promoter										
81 Carborundum Universal Limited	M M Murugappan	Group	Dividend paid	Citation from	Dividend paid	1.38	0.00	0.00				
82 Carborundum Universal Limited 83 Carborundum Universal Limited	M M Murugappan Sanjay Jayavarthanavelu	Director		Sitting fees Sitting fees	Sitting fees Sitting fees	0.26	0.00	0.00				
84 Carborundum Universal Limited		Director	Any other transaction	Sitting fees	Sitting fees	0.50	0.00	0.00			1	
85 Carborundum Universal Limited	P S Raghavan	Director	Any other transaction	Sitting fees	Sitting fees	0.41	0.00	0.00			+	
86 Carborundum Universal Limited	Sujjain Talwar	Director	Any other transaction	Sitting fees	Sitting fees	0.25	0.00	0.00				
87 Carborundum Universal Limited	Soundara Kumar	Director	Any other transaction	Sitting fees	Sitting fees	0.35	0.00	0.00				
88 Carborundum Universal Limited	N Ananthaseshan	Managing Director	Remuneration		Remuneration	8.39	0.00	0.00				
89 Carborundum Universal Limited	Sridharan Rangarajan	Executive Director	Remuneration		Remuneration	10.24	0.00	0.00				
90 Carborundum Universal Limited		Chief Financial officer Company Secretary	Remuneration Remuneration		Remuneration Remuneration	4.05 3.11	0.00	0.00			+	1
91 Carborundum Universal Limited												

			Other related party -											
9.	Carborundum Universal Limited	Ninad Mukund Gadgil	Subsidiary Related parties	Remuneration			Remuneration	7.61	0.00	0.00				
			Other related party -											
9.	Carborundum Universal Limited	Sivakumaran M V	Subsidiary Related parties	Remuneration			Remuneration	3.41	0.00	0.00				
	Contraction Universal Limited	Vipin Malik	Other related party -	Remuneration			Remuneration	2.49	0.00	0.00				
9	Carborundum Universal Limited	VIDII IVIAIIK	Subsidiary Related parties Other related party -	Remuneration			Kemuneration	2.49	0.00	0.00				
9	Carborundum Universal Limited	Nair Nandkumar P	Subsidiary Related parties	Remuneration			Remuneration	2.70	0.00	0.00				
_	Carborandam Oniversar cimica	Tuni Tuniakanian 1	Other related party -	nemaneration			nemaneration	270	0.00	0.00				
9	Carborundum Universal Limited	Raghavendra Pai	Subsidiary Related parties	Remuneration			Remuneration	2.59	0.00	0.00				
			Other related party -											
9	Carborundum Universal Limited	Prathap Kumar	Subsidiary Related parties	Remuneration			Remuneration	2.51	0.00	0.00				
			Promoter and Promoter											
9	Carborundum Universal Limited	M V Subramanian	Group	Remuneration			Remuneration	3.98	0.00	0.00				
			Company Secretary of											
9	Carborundum Universal Limited	Betsy Mary Brinda	subsidiary	Remuneration			Remuneration	0.35	0.00	0.00				
10	Carborundum Universal Limited	CUMI America Inc.	Mikelly arrest Cylesidian	Cala af anada an anaisan		500	Cala at annula an annulana	485.51	265.02	186.07				
10	Carborundum Universai Limited	CUMI America Inc.	Wholly owned Subsidiary	Sale of goods or services		500	Sale of goods or services	485.51	265.02	186.07				
10	Carborundum Universal Limited	Net Access India Limited	Wholly owned Subsidiary	Sale of goods or services			Sale of goods or services	0.73	0.15	0.16				
- 10	carborandam omversar cimica	Tree rices sindia cinites	Wildly Owned Substituty	Sale of goods of Services			Sale of goods of services	0.75	0.13	0.10				
10	Carborundum Universal Limited	Sterling Abrasives Limited	Subsidiary	Sale of goods or services		172.5	Sale of goods or services	119.95	52.85	58.25				
		Southern Energy Development	i i	_			-							
10	Carborundum Universal Limited	Corporation Limited	Subsidiary	Sale of goods or services		2	Sale of goods or services	0.00	0.22	0.24				
10	Carborundum Universal Limited	CUMI (Australia) Pty Ltd.	Subsidiary	Sale of goods or services		720	Sale of goods or services	262.67	40.97	38.36				
	Carborundum Universal Limited	CUMI Middle east FZE	Wholly owned Subsidiary	Sale of goods or services]		Sale of goods or services	40.94	40.68	53.67				
10	Carporunuum oniversal Limited	CUMI Middle east FZE CUMI Abrasives & Ceramics	writolly owned Subsidiary	Jaie of goods or services	1	130	Daie of Roons of Services	40.94	40.68	53.67				
10	Carborundum Universal Limited	Company Ltd.	Wholly owned Subsidiary	Sale of goods or services		Ar	Sale of goods or services	0.00	52.65	42.21				
10		and the same of th	owned Substitutely	Si Boods or Services	1	40	Boods or scratces	0.00	32.03	42.21				
10	Carborundum Universal Limited	Volzhsky Abrasive Works	Subsidiary	Sale of goods or services		200	Sale of goods or services	52.52	44.49	97.38				
		Pluss Advanced Technologies												
10	Carborundum Universal Limited	Limited	Subsidiary	Sale of goods or services		10	Sale of goods or services	0.00	0.00	0.08				
													1	
10	Carborundum Universal Limited	CUMI AWUKO Abrasives GmbH	Wholly owned Subsidiary	Sale of goods or services		280	Sale of goods or services	4.42	107.67	0.00				
1		auganus at			1			54.26	42.5-					
110	Carborundum Universal Limited	RHODIUS Abrasives GmbH	Wholly owned Subsidiary	Sale of goods or services		200	Sale of goods or services	51.36	13.57	25.37				
- 11	L Carborundum Universal Limited	Murugappa Morgan Thermal Ceramics Limited	Joint Venture	Sale of goods or services		17.0	Sale of goods or services	12.58	8.62	12.08				
- 11	Carborundum Oniversal Limited	Ceramics Limited	Joint venture	sale of goods of services		17.5	Sale of goods of services	12.38	8.02	12.06				
11	Carborundum Universal Limited	Ciria India Limited	Joint Venture	Sale of goods or services		50.1	Sale of goods or services	10.81	1.43	3.64				
				8										
11	Carborundum Universal Limited	Wendt (India) Limited	Associate	Sale of goods or services		22.5	Sale of goods or services	28.87	14.38	12.48				
		Wendt Grinding Technologies												
11	Carborundum Universal Limited	Limited	Subsidiary of Associate	Sale of goods or services		60	Sale of goods or services	26.50	14.57	6.10				
			Company in which director is											
11	Carborundum Universal Limited	Lakshmi Machine Works Limited	interested	Sale of goods or services		20	Sale of goods or services	7.09	1.19	2.06				
	Carborundum Universal Limited	New Ambadi Estates Private Limited	Company in which director is	Sale of goods or services			Sale of goods or services	0.00	0.00	0.00				
11	Carborundum Universai Limited	Limited	interested	Purchase of goods or		Z.5	Purchase of goods or	0.00	0.00	0.00				
11	7 Carborundum Universal Limited	CUMI America Inc.	Wholly owned Subsidiary	services		10	services	0.68	0.36	0.68				
	carborandam omversar emited	CONT PATIENCE INC.	William Chine Substatut y	Purchase of goods or			Purchase of goods or	0.00	0.50	0.00				
11	Carborundum Universal Limited	Sterling Abrasives Limited	Subsidiary	services		9.966	services	0.02	0.00	0.00				
			i i	Purchase of goods or			Purchase of goods or							
11	Carborundum Universal Limited	Foskor Zirconia (pty) Ltd.	Subsidiary	services		331.5861611	services	184.87	51.09	29.39				
		CUMI Abrasives & Ceramics		Purchase of goods or			Purchase of goods or							
12	Carborundum Universal Limited	Company Ltd.	Wholly owned Subsidiary	services		77.799043	services	-0.08	0.00	0.00				
	Carborundum Universal Limited	Volzhsky Abrasive Works	Subsidiary	Purchase of goods or services		354.5160918	Purchase of goods or	127.84	192.65	206.21				
12	Carborundum Universal Limited	Pluss Advanced Technologies	Subsidiary			354.5160918		127.84	192.65	206.21				
12	Carborundum Universal Limited	Limited	Subsidiary	Purchase of goods or services	1	19.978993	Purchase of goods or	0.01	0.00	0.01				
12			y	and the same of th		23.370393	Purchase of goods or	0.01	0.00	0.01				
12	Carborundum Universal Limited	RHODIUS Abrasives GmbH	Wholly owned Subsidiary	Sale of goods or services		100	services	0.05		0.00				
1		Murugappa Morgan Thermal		Purchase of goods or			Purchase of goods or							
12	Carborundum Universal Limited	Ceramics Limited	Joint Venture	services		40.73571148		8.17	4.04	3.54			<u> </u>	
	· ·			Purchase of goods or			Purchase of goods or							
12	Carborundum Universal Limited	Wendt (India) Limited	Associate	services		35.77215416		10.19	8.44	11.00				
	Contrarior Hall Contrarior	Cinin India Limitar'	Inint Wanton	Purchase of goods or		0.2400000	Purchase of goods or	-1.76	2.08					
12	Carborundum Universal Limited	Ciria India Limited Wendt Grinding Technologies	Joint Venture	services Purchase of goods or		8.240692373	Purchase of goods or	-1.76	2.08	0.00				
12	Carborundum Universal Limited	Limited	Subsidiary of Associate	services		15.0761159	services	5.06	0.00	2.52				
		Net Access India Limited	Wholly owned Subsidiary	Dividend received	1	5	Dividend received	5.00	0.00	0.00				
12	Carborundum Universal Limited	Sterling Abrasives Limited	Subsidiary	Dividend received		18.36	Dividend received	10.80	0.00	0.00				
	Carborundum Universal Limited	CUMI (Australia) Pty Ltd.	Subsidiary	Dividend received		69.27219846	Dividend received	0.00	0.00	0.00				
		Murugappa Morgan Thermal		Purchase of goods or										
	Carborundum Universal Limited	Ceramics Limited	Joint Venture	services			Dividend received	42.92						
	Carborundum Universal Limited	Ciria India Limited	Joint Venture	Dividend received			Dividend received Dividend received	24.00	0.00	0.00				
	Carborundum Universal Limited Carborundum Universal Limited	Wendt (India) Limited CUMI (Australia) Pty Ltd.	Associate Subsidiary	Dividend received Any other transaction	1		Dividend received Royalty income	22.50 3.25	0.00	0.00			1	
13	Larvorundum Universal Limited	Southern Energy Development	ouusiuläry	Any other transaction	 		Ruyaity income	3.25	0.00	0.00			-	
10	Carborundum Universal Limited	Corporation Limited	Subsidiary	Any other transaction	Purchase of power	200	Purchase of power	75.92	17.18	14.40				
13				y outer transaction	Expenditure on	200	Expenditure on Other	13.32	17.10	14.40				
13	Carborundum Universal Limited	Net Access India Limited	Wholly owned Subsidiary	Any other transaction	Other services	22.5	services	13.55	4.30	14.81				
			Other related party -		Expenditure on		Expenditure on Other							
13	Carborundum Universal Limited	Parry Enterprises India Limited	Promoter Group	Any other transaction	Other services	37.5	services	18.34	1.67	2.33				
	· ·	Murugappa Water Technology and	Company in which director is		Expenditure on		Expenditure on Other							
	Carborundum Universal Limited	Solutions Private Limited	interested	Any other transaction	Other services		services	0.69	2.05	0.90				
13	Carborundum Universal Limited	Wendt (India) Limited	Associate	Any other transaction	Rental expenses	3	Rental expenses	2.24	0.00	0.00				
	Carborundum Universal Limited	Murugappa & Sons	Partnership firm in which director is a partner	Any other transaction	Rental expenses		Rental expenses	0.00	0.00	0.00				
14	caroorunuum oniversai ciinited	man algabha or 2012	on octor is a partitle!	rany outer didisaction	wentar expenses	0.5	mental exherises	0.00	0.00	0.00			1	
14	L Carborundum Universal Limited	Net Access India Limited	Wholly owned Subsidiary	Purchase of fixed assets	1	20	Purchase of fixed assets	11.08	0.00	0.00				
24		Southern Energy Development	,			20	incu assets	11.00	0.00	5.00				
14	Carborundum Universal Limited	Corporation Limited	Subsidiary	Purchase of fixed assets		10	Purchase of fixed assets	0.50						
		•										-		

		CUMI Abrasives & Ceramics										
143	Carborundum Universal Limited	Company Ltd.	Wholly owned Subsidiary	Sale of goods or services	20 Purchase of fixed assets	0.07						
144	Carborundum Universal Limited	CUMI AWUKO Abrasives GmbH	Fellow subsidiary	Loan	10 Purchase of fixed assets	0.08						
		Murugappa Morgan Thermal										
145	Carborundum Universal Limited	Ceramics Limited	Joint Venture	Purchase of fixed assets	5 Purchase of fixed assets	1.33	0.00	0.00				
146	Carborundum Universal Limited	Wendt (India) Limited	Associate	Purchase of fixed assets	30 Purchase of fixed assets	0.33	0.00	0.00				
140	carboranaani oniversar ciinica	Carborundum Universal Employees	Other related party - Retrial	Contribution to	Contribution to							
	Carborundum Universal Limited	Provident fund	Fund	Any other transaction Provident Fund	100 Provident Fund	79.52	13.50	13.23				
	Carborundum Universal Limited Carborundum Universal Limited	CUMI America Inc. Ciria India Limited	Wholly owned Subsidiary Joint Venture	Any other transaction Guarantees given Any other transaction Guarantees given	235.65 Guarantees given 90.00 Guarantees given	235.62 90.00	196.38	196.38				
149	carborundum Oniversal cimited	Cholamandalam MS General	Other related party -	Expenditure on	Expenditure on Other	90.00	0.00	0.00				
150	Carborundum Universal Limited	Insurance Company Limited	Promoter Group	Any other transaction Other services	50 services	5.49	0.06	0.09				
454	Carborundum Universal Limited	Cholamandalam MS Risk Services	Other related party - Promoter Group	Expenditure on Any other transaction Other services	Expenditure on Other 2.5 services	0.99	0.01					
151	Larborundum Universai Limited		Other related party -	Any other transaction Other services	2.5 services	0.99	0.01					
152	Carborundum Universal Limited	Limited	Promoter Group	Any other transaction Civil Construction	25 Civil Construction	0.00	0.68	0.12				
		Cholamandalam Investment and	Other related party -	Expenditure on	Expenditure on Other							,
153	Carborundum Universal Limited	Finance Co. Limited	Promoter Group Other related party -	Any other transaction Other services Expenditure on	50 services Expenditure on Other	0.00	0.00	0.00				-
154	Carborundum Universal Limited	E.I.D.PARRY (INDIA) LTD.	Promoter Group	Any other transaction Other services	16.25 services	14.31	2.02	0.27				
		Murugappa Management Services	Other related party -	Expenditure on	Expenditure on Other							,
155	Carborundum Universal Limited	Private Limited	Promoter Group Other related party -	Any other transaction Other services Purchase of goods or	20 services Purchase of goods or	8.73	1.03	0.15				
156	Carborundum Universal Limited	Shanthi Gears Limited	Promoter Group	services	15 services	13.47	0.78	1.20				
			Other related party -	Purchase of goods or	Purchase of goods or							
157	Carborundum Universal Limited	Tube Investments of India Limited	Promoter Group	services	10 services Expenditure on Other	3.07	2.70	1.11				
158	Carborundum Universal Limited	M MUTHIAH	Other related party - Subsidiary Related parties	Any other transaction	10 services	0.90	0.00	0.00				
			Other related party -		Expenditure on Other							
159	Carborundum Universal Limited	JAYAN P S	Subsidiary Related parties	Any other transaction	30 services	2.52	0.00	0.00				
160	Carborundum Universal Limited	AMM Foundation	Promoter and Promoter Group	Any other transaction	Rental expenses and 0.20 Others	0.04						
				Purchase of goods or	Purchase of goods or							
	CUMI (Australia) Pty Ltd.	Wendt (India) Limited	Associate of Holding company	services	services	0.06						
	CUMI Abrasives & Ceramics Company Ltd.	Wendt (India) Limited	Associate of Holding company	Sale of goods or services	Sale of goods or services	0.00						
	CUMI Abrasives & Ceramics	vv chat (maia) cirritea	resociate or riolating company	July or Books of Services	paie or goods or services	0.00				+ +		
163	Company Ltd.	CUMI Middle east FZE	Fellow subsidiary	Sale of goods or services	Sale of goods or services	1.30						
	CUMI Abrasives & Ceramics	Wendt Grinding Technologies				0.00						
164	Company Ltd. CUMI Abrasives & Ceramics	Limited	Associate of Holding company	Purchase of goods or	Sale of goods or services Purchase of goods or	0.00						
	Company Ltd.	Wendt (India) Limited	Associate of Holding company	services	services	0.00						
166	CUMI America Inc.	CUMI (Australia) Pty Ltd.	Fellow subsidiary	Sale of goods or services Purchase of goods or	Sale of goods or services Purchase of goods or	0.21						-
167	CUMI America Inc.	Wendt (India) Limited	Associate of Holding company	services	services	6.23						
168	CUMI AWUKO Abrasives GmbH	RHODIUS Abrasives GmbH	Fellow subsidiary	Sale of goods or services	Sale of goods or services	6.08						
169	CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI International Limited	Ralf Blechschmidt	Fellow subsidiary Managing Director Fellow subsidiary	Sale of goods or services Remuneration Loan	Sale of goods or services Remuneration Loan	6.08 8.04 0.00						
169 170 171	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited	Ralf Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH	Managing Director Fellow subsidiary Fellow subsidiary	Remuneration Loan Interest received	Remuneration Loan Interest received	8.04 0.00 0.00						
169 170 171	CUMI AWUKO Abrasives GmbH CUMI International Limited	Ralf Blechschmidt CUMI AWUKO Abrasives GmbH	Managing Director Fellow subsidiary	Remuneration Loan Interest received Investment	Remuneration Loan Interest received Investment	8.04 0.00						
169 170 171 172	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited	Ralf Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary	Remuneration Loan Interest received	Remuneration Loan Interest received	8.04 0.00 0.00						
169 170 171 172 173	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI International Limited	Raif Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company	Remuneration Loan Interest received Investment Purchase of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or	8.04 0.00 0.00 468.88						
169 170 171 172 173	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI International Limited CUMI Middle east FZE Foskor Zirconia (pty) Ltd.	Ralf Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services	8.04 0.00 0.00 468.88 0.00						
169 170 171 172 173	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI International Limited	Raif Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Other Investor	Remuneration Loan Interest received Investment Purchase of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or	8.04 0.00 0.00 468.88						
169 170 171 172 173 174 175	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI International Limited CUMI Middle east FZE Foskor Zirconia (pty) Ltd.	Raff Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (riv) Limited Ciria India Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services	8.04 0.00 0.00 468.88 0.00						
169 170 171 172 173 174 175	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI Middle east FZE CUMI Middle east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited	Raff Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Ciria India Limited Murugappa Morgan Thermal	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company Joint Venture of Holding	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00						
169 170 171 172 173 174 175	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI international Limited CUMI international Limited CUMI international Limited CUMI Middle east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd.	Raff Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (riv) Limited Ciria India Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt	8.04 0.00 0.00 468.88 0.00 212.85						
169 170 171 172 173 174 175 176	CUMI AWUKO Abrasives GmbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI Middle east FZE CUMI Middle east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited	Raff Blechschmidt CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Ciria India Limited Murugappa Morgan Thermal	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company Joint Venture of Holding	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00						
169 170 171 172 173 174 175 176	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI Middile east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Net Access India Limited Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited (Ciria India Limited Murugappa Morgan Thermal Ceramics Limited Sterling Abrasives Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Other Investor Joint Venture of Holding company Joint Venture of Holding company Fellow subsidiary	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90						
169 170 171 172 173 174 175 176	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International Limited CUMI International Limited CUMI International Limited CUMI Middle east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited foskor (Pty) Limited (Ciria India Limited Murugappa Morgan Thermal Ceramics Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Othe	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80						
169 170 171 171 172 173 174 175 176 177	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI Middile east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Net Access India Limited Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited foskor (Pty) Limited (Ciria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company Joint Venture of Holding company Fellow subsidiary Associate of Holding company Associate of Holding company	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90						
169 170 171 171 172 173 174 175 176 177 178	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI Middle east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited foskor (Pty) Limited (Cria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding company Joint Venture of Holding company Fellow subsidiary Associate of Holding company Promoter and Promoter Group of Holding company Promoter and Promoter Group of Holding Company Promoter and Promoter Group of Holding Company	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40						
169 170 171 171 172 173 174 175 176 177 178	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI Middile east FZE Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Net Access India Limited Net Access India Limited Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH (JMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited foskor (Pty) Limited (Ciria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Joint Venture of Holding Company Joint Venture of Holding Company Fellow subsidiary Associate of Holding Company Promoter and Promoter Group of Holding Company	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90						
169 170 171 172 173 174 175 176 177 178 179	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited foskor (Pty) Limited (Cria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Other Investor Other Investor Other Great Other Subsidiary Fellow subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Fellow subsid	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40						
169 170 171 172 173 174 175 176 177 178 179 180	CUMI AWUKO Abrasives 6mbH CUMI International Limited Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Gria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Other Investor Other Investor Other John School School Other	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30						
169 170 171 172 173 174 175 176 177 178 179 180	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt CUMIA WUKO Abrasives GmbH CUMIA WUKO Abrasives GmbH CUMIA WUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Ciria India Limited Murugappa Morgan Thermal Ceramics Limited Sterling Abrasives Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Other Investor Other Investor Other Investor Other Investor India Fellow Subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Promoter and Promoter Group of Holding Company Promoter and Promoter and Promoter and Promoter of Tenus of Holding Company Promoter and Promoter Group of Holding Company Promoter and Promoter and Promoter Group of Holding Company Fellow subsidiary Fellow subsidiary	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70						
169 170 171 172 173 174 175 176 177 178 180 181	CUMI AWUKO Abrasives 6mbH CUMI International Limited Foskor Zirconia (pry) Ltd. Foskor Zirconia (pry) Ltd. Net Access India Limited	Raff Blechschmidt (JMR AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH (JUMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Gria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Associate of Holding company Other Investor Other Investor Other Investor Other John School School Other	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30						
169 1700 1711 172 173 174 175 176 177 178 179 180 181 181	CUMI AWUKO Abrasives 6mbH CUMI International Limited Foskor Zirconia (pry) Ltd. Foskor Zirconia (pry) Ltd. Net Access India Limited	Raff Blechschmidt UMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Grain India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation AMM Foundation AMM Foundation Muss Advanced Technologies Limited M M MUTHAH RESEARCH	Managing Director Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Other Investor Other Investor Other Investor Other Other Investor Other Investo	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51						
169 1700 1711 172 173 174 175 176 177 178 179 180 181 181	CUMI AWUKO Abrasives 6mbH CUMI International Limited Foskor Zirconia (pry) Ltd. Foskor Zirconia (pry) Ltd. Net Access India Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH CUMI AWUKO Abrasives GmbH Wendt [India] Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAH RESEARCH FOUNDATION	Managing Director Fellow subsidiary Other Investor John Fellow	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30						
169 1700 1711 172 173 174 175 176 177 178 180 181 181 182 183	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Gria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHIAH RESEARCH FOUNDATION M Murugappa Water Technology and	Managing Director Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Fellow Subsidiary Fellow	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51						
169 1700 1711 172 173 174 175 176 177 178 180 181 181 182 183	CUMI AWUKO Abrasives 6mbH CUMI International Limited Foskor Zirconia (pry) Ltd. Foskor Zirconia (pry) Ltd. Net Access India Limited	Raff Blechschmidt UMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Grain India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation PARRY AGRO INDUSTRIES LIMITED PARRY Enterprises India Limited AMM Foundation MI MURUGAN AMMURUGAN WATER FEEDNATION MI MURUGAN WATER FEEDNATION MURUGAN WATER FEEDN	Managing Director Fellow subsidiary Other Investor John Fellow	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51						
169 1700 1711 1721 1731 1731 1741 175 176 177 178 180 181 182 183 184 185	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt UMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH UJMR AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Grain India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation PARRY AGRO INDUSTRIES LIMITED PARRY Enterprises India Limited AMM Foundation MI MURUGAN AMMURUGAN WATER FEEDNATION MI MURUGAN WATER FEEDNATION MURUGAN WATER FEEDN	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Other Investor Fellow subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fromoter and Promoter Group of Holding Company Fromoter and Promoter Group of Holding Company Fromoter and Promoter Group of Holding Company Fellow subsidiary Fellow subsidiary Fromoter and Promoter Group of Holding Company Fromoter and Promoter	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51						
169 1700 1711 1721 1731 1731 1741 175 176 177 178 180 181 182 183 184 185	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Gria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Parry Enterprises India Limited AMM Foundation Murugappa Water Technologies Limited M M MUTHIAH RESEARCH FOUNDATION M Murugappa Water Technology and Solutions Private Limited KADAMANE ESTATES	Managing Director Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Fellow Subsidiary Fellow Thromoter and Promoter Group of Holding Company Fellow Thromoter and Promoter Group of Holding Company Fellow Subsidiary Fe	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00						
169 170 170 171 172 173 174 175 176 177 178 180 181 182 183 184 185	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH UJMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Pty) Limited Foskor (Pty) Limited Gria India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Parry Enterprises India Limited AMM Foundation Murugappa Water Technologies Limited M M MUTHIAH RESEARCH FOUNDATION M Murugappa Water Technology and Solutions Private Limited KADAMANE ESTATES	Managing Director Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Other Investor Fellow subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fromoter and Promoter Group of Holding Company Fromoter and Promoter Group of Holding Company Fromoter and Promoter Group of Holding Company Fellow subsidiary Fellow subsidiary Fromoter and Promoter Group of Holding Company Fromoter and Promoter	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00						
169 170 170 171 172 173 174 175 176 177 180 181 181 182 183 184 185 186	CUMI AWUKO Abrasives ofmbH CUMI International United CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited	Raff Blechschmidt UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Uris India Limited Uris India Limited Wendt (India) Limited Sterling Abrasives Limited Wendt (India) Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAH RESEARCH FOUNDATION MUTURAJPA WARTER KADAMANE ESTATES AMBADI INVESTMENTS LTD	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor Other Investor General Fellow Subsidiary Fellow Subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fromoter and Promoter and Promoter Group of Holding Company Fromoter and Promoter and Promoter of Fellow subsidiary Fromoter Fellow subsidiary Fromoter Fellow subsidiary Fromoter Group of Holding Company Fromoter and Promoter and Promoter and Promoter and Fromoter Fellow subsidiary Fromoter and Fromoter Group of Holding Company Fromoter and Fromoter of Group of Holding Company Fromoter and Fromoter of the holding Company in which director of the holding Company is interested	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00						
169 170 170 171 172 173 174 175 176 177 178 180 181 182 183 184 185 186	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited	Raff Blechschmidt UMI AWURC Abrasives GmbH UMI AWURC Abrasives GmbH UMI AWURC Abrasives GmbH UMI AWURC Abrasives GmbH Wendt [India] Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Uris India Limited Uris India Limited Uris India Limited Sterling Abrasives Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited PARRY AGRO INDUSTRIES LIMITED Parry Enterprises India Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAH RESEARCH FOUNDATION Murugappa Water Technology and Solutions Private Limited KADAMANE ESTATES AMBADI INVESTMENTS LTD	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor Other Investor General Fellow Subsidiary Fellow Subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fromoter and Promoter Group of Holding Company Fromoter and Promoter and Promoter Group of Holding Company Fellow subsidiary Fromoter and Promoter Group of Holding Company Fromoter Group of Holding Company Fromoter and Promoter and Promoter Group of Holding Company Fromoter and Promoter and Promoter and Fromoter Group of Holding Company Fromoter and Fromoter of the Holding Company in which director of the holding Company is	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services	8.04 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00						
169 170 171 172 173 174 175 176 177 178 180 181 181 182 183 184 185 186 187	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Pluss Advanced Technologies Limited	Raff Blechschmidt UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH UMIA WUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Uris India Limited Uris India Limited Wendt (India) Limited Sterling Abrasives Limited Wendt (India) Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAH RESEARCH FOUNDATION MUTURAJPA WARTER KADAMANE ESTATES AMBADI INVESTMENTS LTD	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor Other Investor General Fellow Subsidiary Fellow Subsidiary Associate of Holding company Fellow subsidiary Associate of Holding company Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fromoter and Promoter and Promoter Group of Holding Company Fromoter and Promoter and Promoter of Fellow subsidiary Fromoter Fellow subsidiary Fromoter Fellow subsidiary Fromoter Group of Holding Company Fromoter and Promoter and Promoter and Promoter and Fromoter Fellow subsidiary Fromoter and Fromoter Group of Holding Company Fromoter and Fromoter of Group of Holding Company Fromoter and Fromoter of the holding Company in which director of the holding Company is interested	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 1.47 0.43						
169 170 170 171 172 173 174 175 176 177 178 180 181 181 182 183 184 185 186 187	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Puss Advanced Technologies Limited Limit	Raff Blechschmidt UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Griss India Limited Murugappa Morgan Thermal Geramics Limited Wendt (India) Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAIA RESEARCH FOUNDATION Murugappa Water Technology and Solutions Private Limited KADAMANE ESTATES AMBADI INVESTMENTS. LTD IIT Madras Research Park Devendra Jain Samit Jain	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor General Fellow Subsidiary Fellow Subsidiary Fellow subsidiary Associate of Holding company Joint Venture of Holding company Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fromoter and Promoter and Promoter and Promoter and Promoter Group of Holding Company Fromoter and Promoter Group of Holding Company Fromoter and Promoter and Pr	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services Any other transaction Rental expenses Any other transaction Other expense Remuneration	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Rental expenses Other expense Remuneration	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 1.47 0.43 0.47						
169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187	CUMI AWUKO Abrasives 6mbH CUMI International Limited Net Access India Limited Pluss Advanced Technologies Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH Wendt [India] Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Murugappa Morgan Thermal Ceramics Limited Wendt (India) Limited AMM Foundation Pluss Advanced Technologies Limited M M MUTHAH RESEARCH FOUNDATION Murugappa Water Technology and Solutions Private Limited KADAMANE ESTATES AMBADI INVESTMENTS. LTD IIT Madras Research Park Devendra Jain	Managing Director Fellow subsidiary Fellow subsidiary Fellow Subsidiary Fellow Subsidiary Fellow Subsidiary Associate of Holding company Other Investor Fellow Subsidiary Fell	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Sale of goods or services Other transaction Other expense	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Other expenses	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 1.47 0.43						
169 170 170 171 172 173 174 175 176 177 178 180 181 181 182 183 184 185 186 187 188 189	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Pluss Advanced Technologies Limited Limit	Raff Blechschmidt UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH Wendt [India] Limited Foskor (Pty) Limited Foskor (Pty) Limited Gris India Limited Gris India Limited Wendt [India Limited Wendt (India Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited Wendt (India) Limited AMM Foundation Parsy Enterprises India Limited AMM Foundation With Foundation With Foundation With Hornor Montages With Hornor With Horn	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor Other Investor General Fellow Subsidiary Fenometer and Promoter Group of Holding Company Fenometer and Promoter Group of Holding Company Fromoter and Promoter and Promot	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Any other transaction Remuneration Remuneration Sale of goods or services Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Cale of goods or services Sale of goods or services Remuneration Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 0.40 1.47 0.43 0.47 8.53						
169 170 170 171 172 173 174 175 176 177 178 180 181 181 182 183 184 185 186 187 188 189 190	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Pluss Advanced Technologies Limited Limited Limited Limited Limited Technologies Limited	Raff Blechschmidt UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Umi Amurupappa Morgan Thermal Ceramics Limited Wendt (India) Limited AMM Foundation Parsy Enterprises India Limited AMM Foundation With Foundation With Market Separation With With With With With With With With	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor General Fellow Subsidiary Fellow Fellow Fellow Subsidiary Fellow subsidiary Associate of Holding company Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fellow subsidiary Fromoter and Promoter and Promoter Group of Holding Company Fromoter and Fellow subsidiary Fromoter and Fellow Subsidiary Fromoter Fellow Subsidiary Fromoter and Fromoter Group of Holding Company Fromoter and Fromoter and Fromoter Fellow Subsidiary Fromoter and Fromoter and Fromoter Service of Holding Company Fromoter and Fromoter and Fromoter and Fromoter Fellow Subsidiary Fromoter and Fromoter and Fromoter and Fromoter Fellow Subsidiary Fromoter and Fromoter Service of Holding Company in Whitch General Fellow Subsidiary Subs	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services	Remuneration Loan Interest received Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Rental expenses Other expense Remuneration Sale of goods or services Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 1.47 0.43 0.47 8.53 0.18						
169 170 170 171 172 173 174 175 176 177 178 180 181 181 182 183 184 185 186 187 188 189 190	CUMI AWUKO Abrasives 6mbH CUMI International Limited CUMI International (pty) Ltd. Foskor Zirconia (pty) Ltd. Foskor Zirconia (pty) Ltd. Net Access India Limited Pluss Advanced Technologies Limited Limit	Raff Blechschmidt UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH UMI AWUKO Abrasives GmbH Wendt (India) Limited Foskor (Phy) Limited Foskor (Phy) Limited Gris India Limited Umi Amurupappa Morgan Thermal Ceramics Limited Wendt (India) Limited AMM Foundation Parsy Enterprises India Limited AMM Foundation With Foundation With Market Separation With With With With With With With With	Managing Director Fellow subsidiary Other Investor Other Investor Other Investor Other Investor General Fellow Subsidiary Fenometer and Promoter Group of Holding Company Fenometer and Promoter Group of Holding Company Fromoter and Promoter and Promot	Remuneration Loan Interest received Investment Purchase of goods or services Sale of goods or services Any other transaction Any other transaction Remuneration Remuneration Sale of goods or services Sale of goods or services	Remuneration Loan Interest received Investment Purchase of goods or services Purchase of goods or services Electricity charges-Debt Sale of goods or services Cale of goods or services Sale of goods or services Remuneration Sale of goods or services	8.04 0.00 0.00 0.00 468.88 0.00 212.85 0.00 0.80 0.90 0.40 1.70 1.80 0.30 1.90 0.51 0.00 0.60 0.00 0.40 1.47 0.43 0.47 8.53						

	Ernst-Henning Sager, Klaus Michael												
	Rudolph, Bernd Lichter and Juergen												
194 RHODIUS Abrasives GmbH	Neubert	Director	Remuneration		Remui	uneration	23.60						
SOUTHERN ENERGY DEVELOPMENT		Promoter and Promoter											
195 CORPORATION LTD	Parry Agro Industries	Group of Holding Company	Sale of goods or services		Sale of	of goods or services	5.93						
			Purchase of goods or		Purcha	nase of goods or							
196 Sterling Abrasives Limited	Wendt (India) Limited	Associate of Holding company	services		service		1.03						
	Murugappa Morgan Thermal	Joint Venture of Holding	Purchase of goods or		Purch:	hase of goods or						-	
197 Sterling Abrasives Limited	Ceramics Limited	company	services		service		8.88						
137 Sterning Abrusives Emitted	cerdinies Elinica	company	SCIVICCS		SCIVIC		0.00	 					
400 Charling Abrasicas Limited	Marian de (India) Limitand	Aista of Halding	Cala of annula an annulana		Cala a		3.01						
198 Sterling Abrasives Limited	Wendt (India) Limited	Associate of Holding company				of goods or services							
199 Sterling Abrasives Limited	Nitin Parikh	Director	Remuneration			uneration	6.52						
	Nirav Parikh	Director	Remuneration			uneration	6.06						
201 Sterling Abrasives Limited	Aditya Parikh	Director	Remuneration		Remui	uneration	1.55						
202 Sterling Abrasives Limited	R. Srinivasan	Director	Any other transaction	Sitting fees	Sitting	g fees	0.05						
203 Sterling Abrasives Limited	Rajesh Khanna	Director	Any other transaction	Sitting fees	Sitting	ig fees	0.05						
204 Volzhsky Abrasive Works	CUMI Middle east FZE	Fellow subsidiary	Any other transaction			return	15.51		_				
			,									-	
205 Volzhsky Abrasive Works	CUMI Middle east FZE	Fellow subsidiary	Sale of goods or services		Sale of	of goods or services	0.00						
206 Volzhsky Abrasive Works	S.V. Kostrov	Director	Remuneration			uneration	12.16		_				
SOUTHERN ENERGY DEVELOPMENT	J.V. ROSLIOV	Promoter and Promoter	Remuneration		Kelliul	uneration	12.10						
	* 1				6.1		20.70						
207 CORPORATION LTD	Tube Investments of India Limited	Group of Holding Company	Sale of goods or services		Sale of	of goods or services	38.70						
208 CUMI (Australia) Pty Ltd.	CUMI America Inc.	Fellow subsidiary	Sale of goods or services		Sale of	of goods or services	0.85						1
1 1		Promoter and Promoter				T		1					
209 Net Access India Limited	Celletial E-track Private limited	Group of Holding Company	Sale of goods or services		Sale of	of goods or services	0.40						1
	Cholamandalam Investment and	Other related party -											T
210 Net Access India Limited	Finance Co. Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	87.60						1
		Other related party -	Beans		Juic 0								+
211 Net Access India Limited	Limited	Promoter Group	Salo of goods or so		C-1	of goods or consi	1.60						1
Z11 INEL ACCESS INDIA LIMITED			Sale of goods or services		pale of	of goods or services	1.00						+
l l	Cholamandalam MS General	Other related party -											1
212 Net Access India Limited	Insurance Company Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	55.90						
	Coromandel Engineering Company	Other related party -											
213 Net Access India Limited	Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	0.10						
		Other related party -											
214 Net Access India Limited	Coromandel International Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	51.80						
224		Other related party -	8			B		 					
as Not Assess India Limited	E I D DADDY (INDIA) LTD		Cala of annula an annulana		Cala a		11.40						
215 Net Access India Limited	E.I.D.PARRY (INDIA) LTD.	Promoter Group	Sale of goods or services		2916 O	of goods or services	11.49						
	Murugappa Management Services	Other related party -											
216 Net Access India Limited	Private Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	2.20						
		Other related party -											
217 Net Access India Limited	Parry Sugars Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	0.10						
									_				
218 Net Access India Limited	RHODIUS Abrasives GmbH	Subsidiary	Sale of goods or services		Sale of	of goods or services	0.60						
		,	ann ar Barrar ar sar reco			. 8			_				
219 Net Access India Limited	Shanthi Gears Limited	Subsidiary	Sale of goods or services		Sala o	of goods or services	2.70						
219 Net Access India Limited	Snantni Gears Limiteu		sale of goods of services		2916 O	of goods of services	2.70						
		Other related party -											
220 Net Access India Limited	TI Clean mobility Private limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	0.20						
		Other related party -											
221 Net Access India Limited	Tube Investments of India Limited	Promoter Group	Sale of goods or services		Sale of	of goods or services	25.60						
222 CUMI International Limited	Volzhsky Abrasive Works	Fellow subsidiary	Dividend received		Divide	end received	61.50						
	Foskor Zirconia (pty) Ltd.	Subsidiary	Investment		Invest		236.50						
224 CUMI (Australia) Pty Ltd.	Trevor allen	Managing Director	Remuneration		Remu	uneration	6.69		_				
225 CUMI (Australia) Pty Ltd.	Craig Allen	Relative of Director	Remuneration			uneration	0.05	 					
226 CUMI (Australia) Pty Ltd.	Scott Hemmings	Director	Remuneration			uneration	0.14						
227 RHODIUS Abrasives GmbH	Juergen Neubert	Managing Director (CEO)	remuneration			uneration	6.26						
228 RHODIUS Abrasives GmbH	Ernst-Henning Wolf Sager	Managing Director	remuneration			uneration	7.85						
	Klaus Michael Rudolph	Managing Director	remuneration			uneration	8.47						
230 RHODIUS Abrasives GmbH	Ilka Sager	Spouse of Managing Director	remuneration	T	Remu	uneration	0.69	<u> </u>					
	Rhodius S.A.R.L, France	subsidiary of RAG	commission		comm	mission	2.84						
232 RHODIUS Abrasives GmbH	Rhodius S.A.R.L, France	subsidiary of RAG	sales		sales		11.58						
233 RHODIUS Abrasives GmbH	Rhodius S.A.R.L, France	subsidiary of RAG	administration fees		admin	nistration fees	2.06						1
234 RHODIUS Abrasives GmbH	Rhodius S.A.R.L, France	subsidiary of RAG	loan received			received	125.18						T
	Rhodius Nederland B.V	subsidiary of RAG	commission			nission	24.44	 					+
236 RHODIUS Abrasives GmbH	Rhodius Nederland B.V	subsidiary of RAG	administration fees	 		nistration fees	1.01	 	_				+
	Rhodius Nederland B.V	subsidiary of RAG	loan received			received	32.82						+
237 RHODIUS Abrasives GmbH													
238 RHODIUS Abrasives GmbH	Rhodius Korea INC., South Korea	subsidiary of RAG	sales		sales		41.24						
	Rhodius Korea INC., South Korea	subsidiary of RAG	administration fees			nistration fees	0.08						
240 RHODIUS Abrasives GmbH	Rhodius South America Ltda, Brazil		commission		comm		5.48						
241 RHODIUS Abrasives GmbH	Rhodius South America Ltda, Brazil	subsidiary of RAG	administration fees		admin	nistration fees	0.27						
242 RHODIUS Abrasives GmbH	Rhodius South America Ltda, Brazil	subsidiary of RAG	loan given		loan g	given	30.14						
	CHOLAMANDALAM SECURITIES	Other related party -		Expenditure on		nditure on Other							1
243 Carborundum Universal Limited	LIMITED	Promoter Group	Any other transaction	Other services	10.00 service		0.01				1		1
SOUTHERN ENERGY DEVELOPMENT	1	Promoter and Promoter	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										+
244 CORPORATION LTD	M A Alagappan		Salo of goods or so		C-1	of goods or consi	0.05				1		1
		Group of Holding Company	Sale of goods or services		5ale 01	of goods or services	0.05						+
SOUTHERN ENERGY DEVELOPMENT		L											1
245 CORPORATION LTD	Limited	Subsdiary	Sale of goods or services		Sale of	of goods or services	0.05						1
SOUTHERN ENERGY DEVELOPMENT		Promoter and Promoter											1
246 CORPORATION LTD	M M Murugappan	Group of Holding Company	Sale of goods or services		Sale of	of goods or services	0.84						1
SOUTHERN ENERGY DEVELOPMENT		Promoter and Promoter											1
247 CORPORATION LTD	EID Parry (India) Limited	Group of Holding Company	Sale of goods or services		Sale of	of goods or services	0.69						1
SOUTHERN ENERGY DEVELOPMENT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Promoter and Promoter						 					+
			1		Cala a	of goods or services	15.90	1					
		Group of Holding Company	Sale of goods or sendens										
248 CORPORATION LTD	AMM Foundation	Group of Holding Company	Sale of goods or services		Sale 0	oi goods or services	15.90	· · · · · · · · · · · · · · · · · · ·					
	AMM Foundation	Group of Holding Company	Sale of goods or services		Sale U	or goods or services	4010.518193						