

2022

Sustainability in Numbers

Delta Electronics (Thailand) Public Company Limited

Cycle: January – December 2021
Boundary: Major manufacturing sites in Thailand,
India and Slovakia
Data collection standard: GRI Standard

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
Gri 201-1	Direct economic value generated and distributed													
	Total Revenue	•	•	•	MUSD	<u>1,348,828</u>	<u>1,597,800</u>	<u>1,580,280</u>	<u>1,551,016</u>	<u>1,648,807</u>	<u>1,447,692</u>	<u>1,776,279</u>	<u>2,607,243</u>	✓
	Dividends from shareholdings in subsidiary companies	•	•	•	MUSD	<u>0,000</u>	<u>0,000</u>	<u>0,000</u>	<u>14,789</u>	<u>0,000</u>	<u>0,000</u>	<u>0,000</u>	<u>5,445</u>	✓
	Total Asset	•	•	•	MUSD	<u>1,144,283</u>	<u>141,830</u>	<u>1,536,090</u>	<u>1,422,325</u>	<u>1,474,889</u>	<u>1,282,651</u>	<u>1,585,513</u>	<u>2,107,549</u>	✓
	Intangible Asset: Customer relationship value	•	•	•	MUSD	<u>0,000</u>	<u>0,000</u>	<u>0,000</u>	<u>3,945</u>	<u>3,335</u>	<u>2,400</u>	<u>2,272</u>	<u>2,158</u>	✓
	Intangible Asset: Patent rights	•	•	•	MUSD	<u>16,098</u>	<u>17,645</u>	<u>15,487</u>	<u>11,464</u>	<u>9,669</u>	<u>6,838</u>	<u>7,094</u>	<u>1,702</u>	✓
	Earning before Tax (interest, depreciation and amortization)	•	•	•	MUSD	<u>180,365</u>	<u>232,667</u>	<u>188,573</u>	<u>199,210</u>	<u>163,245</u>	<u>82,902</u>	<u>201,156</u>	<u>206,719</u>	✓
	Cost of Sales; Expense (operating cost)	•	•	•	MUSD	<u>966,009</u>	<u>1,136,168</u>	<u>1,143,181</u>	<u>1,131,672</u>	<u>1,232,808</u>	<u>1,120,565</u>	<u>1,309,117</u>	<u>2,007,293</u>	✓
	Employee wage and benefit	•	•	•	MUSD	<u>225,165</u>	<u>254,618</u>	<u>266,465</u>	<u>231,157</u>	<u>244,302</u>	<u>240,297</u>	<u>258,891</u>	<u>339,453</u>	✓
	Provision for long-term employee benefits	•	•	•	MUSD	<u>39,923</u>	<u>48,245</u>	<u>48,375</u>	<u>41,207</u>	<u>37,767</u>	<u>39,840</u>	<u>42,735</u>	<u>48,503</u>	✓
	Provident fund pais	•	•	•	MUSD	<u>0,000</u>	<u>2,464</u>	<u>2,520</u>	<u>2,774</u>	<u>3,182</u>	<u>3,098</u>	<u>3,353</u>	<u>4,012</u>	✓
	Corporate income tax	•	•	•	MUSD	<u>1,938</u>	<u>5,512</u>	<u>9,086</u>	<u>3,509</u>	<u>6,438</u>	<u>3,713</u>	<u>2,519</u>	<u>5,759</u>	✓
	Training costs	•	•	•	MUSD	<u>0,000</u>	<u>0,000</u>	<u>0,000</u>	<u>0,551</u>	<u>0,558</u>	<u>0,645</u>	<u>0,602</u>	<u>0,584</u>	✓
	Community investment	•	•	•	MUSD	<u>0,000</u>	<u>0,000</u>	<u>0,123</u>	<u>0,108</u>	<u>0,152</u>	<u>0,166</u>	<u>0,232</u>	<u>0,177</u>	✓
	Spending by commercial initiatives	•	•	•	MUSD	<u>0,000</u>	<u>0,000</u>	<u>0,321</u>	<u>0,362</u>	<u>0,116</u>	<u>0,219</u>	<u>0,160</u>	<u>0,233</u>	✓
GRI 102-13	Membership of associations	•	•	•	MUSD	<u>0,001</u>	<u>0,001</u>	<u>0,001</u>	<u>0,001</u>	<u>0,011</u>	<u>0,010</u>	<u>0,008</u>	<u>0,010</u>	
-	Production amount	•	•	•	MUSD	1,170.35	1,193.11	1,211.22	1,301.89	1,460.89	1,372.87	1,814.36	2,347.71	

Sustainability in Number

Performance mapping with GRI Standard

GRI Standard Disclosure Number	Index Description	Unit	Boundary			2014		2015		2016		2017		2018		2019		2020		2021		Assured by independent auditor
			TH	SK	IN	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
405-1	Permanent employee (salary-based)	FTE	•	•	•	1,408	1,305	1,463	862	1,479	861	2,297	1,254	2,524	1,088	2,861	1,198	3,187	1,445	3,266	1,750	
	Daily wage workers	FTE	•	•	•	502	7,591	472	7,197	453	6,971	363	6,777	602	6,874	480	6,999	790	5,909	424	6,360	
	Sub contracted workers	FTE	•	•	•	112	33	106	38	109	1,107	141	1,336	NA	NA	525	1,380	807	3,909	1,172	4,787	
	Total workforce (Sub- contract and other workers excluded)	FTE	•	•	•	2022	8929	2,041	8,097	2,041	8,939	2,801	9,367	3,126	7,962	3,866	9,577	4,784	11,263	4,862	12,897	
	Other workers	FTE	•	•	•	NA	NA	35	51	40	71	43	75	48	78	46	67	45	53	51	64	
202-2	Employee by level	FTE	•	•	•	1,910	8,896	1,935	8,059	2,232	7,992	2,660	8,031	3,126	7,962	2,984	8,197	4,784	11,263	3,690	12,897	
	• Executives (level 10-12)	FTE	•	•	•	21	3	21	3	18	3	15	3	14	4	19	5	28	6	38	15	
	• Middle Management (level 7-9)	FTE	•	•	•	340	231	339	184	212	203	396	268	396	291	385	302	398	462	418	521	
	• Senior and Operative (level 3-6)	FTE	•	•	•	881	1,092	912	1,070	1,018	1,598	1,886	983	2,114	793	2,100	891	2,761	977	1,546	1,290	
	• Daily employees (level 1-2)	FTE	•	•	•	668	7,570	663	6,802	984	6,188	363	6,777	602	6,874	480	6,999	1,597	9,818	1,688	11,071	
405-1	Employees by age	FTE	•	•	•	NA	NA	1,935	8,059	2,232	7,992	2,660	8,031	3,126	7,962	3,341	8,197	3,977	7,354	3,690	8,110	
	• 18-29 years old	FTE	•	•	•	NA	NA	496	2,176	536	2,362	651	2,309	725	2,097	1,376	4,601	1,322	3,456	975	1,131	
	• 30-51 years old	FTE	•	•	•	NA	NA	1,305	5,720	1,576	5,473	1,862	5,557	2,261	5,688	1,866	3,451	2,563	3,823	2,464	6,369	
	• Over 51 years old	FTE	•	•	•	NA	NA	134	163	120	157	147	165	140	177	99	145	92	75	251	610	
	Permanent Employees by areas	FTE	•	•	•	NA	NA	1,463	862	2,232	7,992	2,660	8,031	3,126	7,962	3,341	8,197	3,977	7,354	3,690	8,110	
	• Thailand	FTE	•			NA	NA	1,233	737	1,621	7,752	1,692	7,764	1,796	7,642	1,902	7,867	1,860	6,537	1,874	7,521	
	• Slovakia	FTE		•		NA	NA	200	95	321	209	316	229	329	242	329	251	955	728	1,158	88	
	• India	FTE			•	NA	NA	30	30	290	31	652	38	1,001	78	1,110	79	1,162	89	658	501	
205-3	Total number and nature of confirmed incidents of corruption.	case	•	•	•	0		0		0		0		2		0		0		0	0	
	Total number of confirmed incidents in which employees were dismissed or disciplined for corruption.	case	•	•	•	0		0		0		2		0		1		0		0	0	
	Total number of confirmed incidents when contracts with business partners were terminated or not renewed due to violations related to corruption.	case	•	•	•	0		0		0		0		0		0		0		0	0	
401-1	Total New Employees	head	•	•	•	143	1,052	196	1,271	207	1,970	285	1,033	480	624	771	813	678	4,635	1006	4595	
	New hire rate	%	•	•	•	7.07	11.78	10.10	15.77	10.71	25.15	10.20	11.30	15.40	7.80	23.10	9.90	14.20	41.20	16.67	25.98	
	New Employees by areas	head				143	1,052	196	1,271	165	583	277	371	480	624	771	813	678	4,635	1,006	4,595	
	• Thailand	FTE	•			123	844	116	1,163	137	557	177	334	256	571	427	746	256	4,577	862	4501	
		%	•			6	9	9	11	8	96	64	90	8	7	13	9	5	30	14.29	25.45	
	• Slovakia	FTE		•		18	22	59	44	5	14	11	21	38	31	24	24	46	23	132	88	

401-1 (Cont)	New Employees by age	FTE				143	1,052	196	1,271	165	583	277	371	480	624	771	813	678	4,635	161	3,860		
	• 18-29 years old	FTE	•	•	•	84	804	125	930	152	525	247	315	456	605	381	425	451	3,507	110.66	2757		
	• 30-55 years old	FTE	•	•	•	59	246	65	340	13	58	30	56	22	19	382	384	222	1128	50.3	1102.8		
	• Over 55 years old	FTE	•	•	•	0	2	6	1	0	0	0	0	2	0	8	4	5	0	0	0		
	Permanent employee turnover	head	•	•	•	156	140	206	131	125	183	177	271	215	375	318	506	305	385	397	429		
	Permanent employee turnover rate	%	•	•	•	10.10	7.66	8.90	5.60	5.60	2.30	6.70	3.40	6.90	4.70	9.50	6.20	7.70	5.20	10.80	5.30		
	Voluntary employee turnover rate	%	•	•	•	NA	NA	NA	NA	94.40	69.40	98.30	92.30	100.00	100.00	100.00	100.00	100.00	100.00	99.50	97.20		
	Permanent employees turnover by area	head	•	•	•	156	140	120	131	125	183	177	271	215	375	318	506	305	385	397	429		
	• Thailand	FTE	•			85	60	60	50	113	153	129	246	102	339	194	483	144	305	149	340		
		%	•			4	1	4	2	5	2	5	3	3	4	6	6				2.47	1.92	
	• Slovakia	FTE	•			65	38	16	31	6	14	36	25	25	29	30	12	71	70	87	55		
		%	•			3	0	1	1	0	0	1	0	1	0	1	0				1.44	0.31	
	• India	FTE	•			6	42	44	50	6	16	12	0	88	7	94	11	90	10	161	34		
		%	•			0	0	4	2	0	0	1	0	3	0	3	0				2.67	0.19	
	Permanent employees turnover by age	head	•	•	•	156	140	120	131	125	183	177	271	215	375	318	506	305	385	397	429		
	• 18-29 years old	FTE	•	•	•	49	42	47	58	87	63	116	178	137	107	213	185	100	94	240	317		
• 30-55 years old	FTE	•	•	•	95	89	68	64	31	64	58	72	68	250	96	303	180	260	146	102			
• Over 55 years old	FTE	•	•	•	12	9	5	9	7	56	3	21	10	18	9	18	25	31	11	10			
401-3	Number of employees entitled to maternity / parental leave	FTE	•	•	•	NA	8,896	NA	8,059	321	7,992	316	8,031	323	7,338	329	7,377	995	10,595	808	11,748		
	• Number of employees taken maternity / parental leave	FTE	•	•	•	NA	408	NA	271	0	374	1	276	0	273	57	268	66	277	48	85		
	• Number of employees return to work after maternity / parental leave	FTE	•	•	•	NA	397	NA	271	0	374	1	276	0	253	45	264	63	245	48	80		
	Retention Rate	%	•				97		100		100		100				93		90		96		
403-5	Worker training on occupational health and safety	hours	•				NA		NA		11,584		60,777		65,177		104,752		43,700		47,154	✓	
	Worker training on occupational health and safety	%	•				NA		NA		10.27		57.00		46.00		39.00		20.50		11.70	✓	
403-9	Total of injury had recorded	cases	•			112	31	43	18	48	15	31	55	44	17	26	7	46				✓	
	• Slip, Trips and Falls																						
	◦ Delta employees	cases	•			NA	NA	12	0	2	5	3	4	NA	NA	5		3	0	7		✓	
	◦ Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	1	2	NA	NA	0		1	2	0		✓	
	• Knife injury																						
	◦ Delta employees	cases	•			NA	NA	4	8	5	8	4	3	NA	NA	10		9	3	3		✓	
	◦ Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		4	0	3		✓	
	• Fire and hot objects																						
	◦ Delta employees	cases	•			NA	NA	1	4	0	2	0	0	NA	NA	1		1	0	0		✓	
	◦ Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		1	0	0		✓	
	• Transportation and vehicle related accidents																						
	• Delta employees	cases	•			NA	NA	2	4	2	5	0	2	NA	NA	0		1	0	0		✓	
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0	0	0		✓	
	• Electrocuted																						
	• Delta employees	cases	•			NA	NA	1	2	1	1	1	1	NA	NA	1		0	0	0		✓	
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	1	NA	NA	0		0	0	0		✓	
	• Machinery injury																						
	• Delta employees	cases	•			NA	NA	4	11	1	6	3	10	NA	NA	8		12		2	12		✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	1	0	1	NA	NA	0		3		0	18		✓
	• Chemical injury																						
	• Delta employees	cases	•			NA	NA	1	8	6	9	0	6	NA	NA	5		4		0	2		✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	6	0	0	NA	NA	0		2		0	0		✓
	• Physical demand																						
• Delta employees	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	1		1		0	0		✓	
• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0		0	0		✓	
• Others																							
• Delta employees	cases	•			NA	NA	6	6	1	5	3	5	NA	NA	13		1		0	0		✓	
• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0		0	1		✓	
Lost time Injury Frequency Rate (LTIFR)																							
• Delta Employee	case: 1M hours	•				16.28		0.08	1.03	0.08	0.19	0.6	0.3	0.11	0.04	0.21	0.14	1.3		1.15	1.21	✓	
• Subcontract and other workers	case: 1M hours	•				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.16	1.48	✓	

GRI Standard Disclosure Number	Index Description	Unit	Boundary			2014		2015		2016		2017		2018		2019		2020		2021		Assured by independent auditor
			TH	SK	IN	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
403-9 (Cont)	• Fire and hot objects																					
	○ Delta employees	cases	•			NA	NA	1	4	0	2	0	0	NA	NA	1		1		0	0	✓
	○ Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		1		0	0	✓
	• Transportation and vehicle related accidents																					
	• Delta employees	cases	•			NA	NA	2	4	2	5	0	2	NA	NA	0		1		0	0	✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0		0	0	✓
	• Electrocuted																					
	• Delta employees	cases	•			NA	NA	1	2	1	1	1	1	NA	NA	1		0		0	0	✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	1	NA	NA	0		0		0	0	✓
	• Machinery injury																					
	• Delta employees	cases	•			NA	NA	4	11	1	6	3	10	NA	NA	8		12		2	12	✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	1	0	1	NA	NA	0		3		0	18	✓
	• Chemical injury																					
	• Delta employees	cases	•			NA	NA	1	8	6	9	0	6	NA	NA	5		4		0	2	✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	6	0	0	NA	NA	0		2		0	0	✓
	• Physical demand																					
	• Delta employees	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	1		1		0	0	✓
	• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0		0	0	✓
	• Others																					
	• Delta employees	cases	•			NA	NA	6	6	1	5	3	5	NA	NA	13		1		0	0	✓
• Subcontractor and other workers	cases	•			NA	NA	0	0	0	0	0	0	NA	NA	0		0		0	1	✓	
Lost time Injury Frequency Rate (LTIFR)																						
• Delta Employee	case: 1M hours	•				16.28		0.08	1.03	0.08	0.19	0.6	0.3	0.11	0.04	0.21	0.14	1.3		1.15	1.21	✓
• Subcontract and other workers	case: 1M hours	•				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.16	1.48	✓
403-10	Percentage of Employee expose to occupational disease risk	%	•			NA		NA		38		46		45		30		49		10		✓
	The number of cases of recordable work-related ill health	head	•			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	✓
	Hazardous substances related abnormality	%	•			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	✓
	The number of fatalities as a result of work-related ill health	head	•			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	✓

GRI Standard Disclosure Number	Index Description	Unit	Boundary			2014		2015		2016		2017		2018		2019		2020		2021		Assured by independent auditor	
			TH	SK	IN	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
404-1	In-house training hours	hours	•			NA	NA	116,723		106,891		108,528		118,377		NA		NA		NA		✓	
	Off-site training hours	hours	•			NA	NA	15,252		5,864		6,633		10,056		NA		NA		NA		✓	
	Total Training hours	hours	•			NA	NA	131,975		112,755		115,161		128,431		265,924		213,175		403,027		✓	
	Average hours per total employee	hours per FTE	•			NA	NA	13.30		11.00		11.40		13.60		14.60		17.20		27.6		✓	
	Average learning hours breakdown by Gender	FTE	•			10.4	19.00	10.4	19.00	10.4	19.00	10.40	11.00	12.20	10.10	17.50	21.00	24.50	20.70	34.58	26.20	✓	
	Percentage of training hours breakdown by job level	%	•			100		100		100		100		100		100		100		100		100	✓
	• Operative and senior operative	%	•			NA		NA		NA		NA		NA		NA		18.00		30.71		✓	
	• Senior Management	%	•			NA		NA		NA		NA		NA		NA		4.00		47.42		✓	
	• Middle Management	%	•			NA		NA		NA		NA		NA		NA		36.00		20.20		✓	
• Production	%	•			NA		NA		NA		NA		NA		NA		43.00		1.67		✓		
407-1	Employees covered by Collective Bargaining Agreement	%	•	•	•	NA	NA	80		81		80		75		76		75		70		✓	
412-1 and 419-1	number of case of any form of human right violation , harassment, discrimination, inhumane treatment , violation of labor right, in had been noted raised through	case	•	•	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
414-1	New suppliers that were screened using social criteria	%	•			NA	NA	100		100		100		100		100		100		100		✓	

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
GRI 302-1	Energy consumption within the organization													
(1+2+3)	Total energy consumption within the organization	•	•	•	GJ	262,891.09	280,453.81	290,372.52	296,756.25	304,727.97	300,589.09	348,413.49	401,352.37	✓
					MWh	73,025.30	77,903.84	80,659.03	82,432.29	84,646.66	83,496.97	96,781.52	111,486.77	✓
1	Total fuel consumption within the organization	•	•	•	GJ	9,101.66	9,542.80	10,355.01	12,117.07	11,537.13	11,258.97	11,174.20	13,725.28	✓
					MWh	2,528.24	2,650.78	2,876.39	3,365.85	3,204.76	3,127.49	3,103.95	3,812.58	✓
	Gasoline	•	•	•	GJ	97.44	129.26	67.98	200.63	170.94	142.39	214.28	166.69	✓
	Diesel	•	•	•	GJ	3,772.95	2,728.94	2,800.48	4,263.82	4,254.61	3,766.02	3,606.35	4,816.89	✓
	LPG	•	•	•	GJ	6.17	3.69	6.02	5.23	-	4.43	4.44	-	✓
	Natural Gas	•	•	•	GJ	5,225.10	6,680.91	7,480.53	7,647.40	7,111.58	7,346.12	7,349.14	8,741.70	✓
2	Electricity and stream purchased for consumption	•	•	•	GJ	253,564.07	270,586.71	278,939.95	274,251.90	269,673.36	258,001.32	302,693.46	352,143.88	✓
					MWh	70,434.46	75,162.97	77,483.32	76,181.08	74,909.27	71,667.03	84,081.52	97,817.75	✓
	Electricity consumption	•	•	•	GJ	253,564.07	270,586.71	278,939.95	274,251.90	269,673.36	258,001.32	302,693.46	352,143.88	✓
3	Renewable Energy Self-Generation	•	•	•	GJ	225.36	324.30	1,077.57	10,387.28	23,517.49	31,328.80	34,545.83	35,483.21	✓
					MWh	62.60	90.08	299.32	2,885.36	6,532.64	8,702.44	9,596.06	9,856.45	✓
	Solar energy	•	•	•	GJ	225.36	324.30	1,077.57	10,387.28	23,517.49	31,328.80	34,545.83	35,483.21	✓
	Total Energy consumption intensity	•	•	•	MWh/MUSD	62.40	65.29	66.59	63.32	57.94	60.82	53.34	47.49	✓
	Non-renewable consumption intensity	•	•	•	MWh/MUSD	62.34	65.22	66.35	61.10	53.47	54.48	48.05	43.29	✓
	Electricity intensity	•	•	•	MWh/MUSD	60.18	63.00	63.97	58.52	51.28	52.20	46.34	41.67	✓
	Total fuel consumption intensity	•	•	•	MWh/MUSD	2.16	2.22	2.37	2.59	2.19	2.28	1.71	1.62	✓
	Renewable consumption intensity (Solar)	•	•	•	MWh/MUSD	0.05	0.08	0.25	2.22	4.47	6.34	5.29	4.20	✓
GRI 302-4	Reduction of energy consumption													✓
	Total Reduction of energy consumption within the organization	•			GJ	0.00	4,873.34	9,485.35	8,870.39	22,009.78	18,395.50	9,778.96	7,280.64	✓
		•			MWh	0.00	1,353.71	2,634.82	2,464.00	6,113.83	5,109.86	2,716.38	2,022.40	✓
	Reduction of electricity consumption	•			GJ	0.00	4,873.34	9,485.35	8,870.39	22,009.78	18,395.50	9,778.96	7,280.64	✓
	Reduction of electricity consumption intensity (Saving energy intensity)	•			MWh/MUSD	0.00	1.36	2.52	2.21	4.91	4.24	1.64	0.86	✓

Indicators	Material Aspects			Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
				TH	SK	IN										
GRI303-3	Water withdrawal by source															✓
	Total water withdrawal (including rain water)	•	•	•	Megaliters	296.75	342.71	340.69	372.17	380.54	356.83	368.95	430.87			✓
	Total water withdrawal (including rain water)	•	•	•	Million cubic meters	0.2968	0.3427	0.3407	0.3722	0.3805	0.3568	0.3690	0.4309			✓
	Total water withdrawal (excluding rain water)	•	•	•	Megaliters	296.75	342.71	340.69	372.17	377.16	350.83	364.75	424.22			✓
	Total water withdrawal (excluding rain water)	•	•	•	Million cubic meters	0.2968	0.3427	0.3407	0.3722	0.3772	0.3508	0.3647	0.4242			✓
	Total Water withdrawal Intensity (Ground+Municipal water+rain water)	•	•	•	Megaliters/MUSD	0.254	0.287	0.281	0.286	0.260	0.260	0.203	0.184			✓
	Total Water withdrawal Intensity (Ground+Municipal water+rain water)	•	•	•	m ³ /MUSD	253.56	287.24	281.28	285.87	260.49	259.92	203.35	183.53			✓
	Total Water withdrawal Intensity (excluding rain water)	•	•	•	Megaliters/MUSD	0.254	0.287	0.281	0.286	0.258	0.256	0.201	0.181			✓
	Total Water withdrawal Intensity (excluding rain water)	•	•	•	m ³ /MUSD	253.56	287.24	281.28	285.87	258.17	255.54	201.03	180.69			✓
	Total surface water withdrawn (Rain water)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	3.38	6.00	4.21	6.66			✓
	Total surface water withdrawn (Rain water)	•	•	•	Million cubic meters	0.000	0.000	0.000	0.000	0.003	0.006	0.004	0.007			✓
	Surface water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	3.38	6.00	4.21	6.66			✓
	Surface water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Total groundwater withdrawn	•	•	•	Megaliters	21.37	18.89	20.92	22.12	24.96	24.63	15.31	14.91			✓
	Total groundwater withdrawn	•	•	•	Million cubic meters	0.021	0.019	0.021	0.022	0.025	0.025	0.015	0.015			✓
	Groundwater (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	21.37	18.89	20.92	22.12	24.96	24.63	15.31	14.91			✓
	Groundwater (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Total seawater withdrawn	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Seawater (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Seawater (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Total produced water withdrawn	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Produced water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Produced water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			✓
	Total third-party water withdrawn	•	•	•	Megaliters	275.38	323.83	319.78	350.05	352.20	326.20	349.44	409.31			✓
	Total third-party water withdrawn	•	•	•	Million cubic meters	0.275	0.324	0.320	0.350	0.352	0.326	0.349	0.409			✓
	Third-party water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	275.38	323.83	319.78	349.43	352.20	319.92	281.84	350.82			✓
	Third-party water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.62	0.00	6.28	67.60	58.49			✓
	Total water withdrawal in water stressed areas (including rain water)	•	•	•	Megaliters	11.82	11.70	13.83	12.30	13.21	13.29	10.37	315.15			✓

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
GRI303-3 (Cont)	Total water withdrawal in water stressed areas (including	•	•	•	Megaliters	11.82	11.70	13.83	12.30	13.21	13.29	10.37	315.15	✓
	Total water withdrawal in water stressed areas (including rain water)	•	•	•	Million cubic meters	0.012	0.012	0.014	0.012	0.013	0.013	0.010	0.315	✓
	Total water withdrawal in water stressed areas (excluding	•	•	•	Megaliters	11.82	11.70	13.83	12.30	13.21	13.29	10.37	308.50	✓
	Total water withdrawal in water stressed areas (excluding rain water)	•	•	•	Million cubic meters	0.012	0.012	0.014	0.012	0.013	0.013	0.010	0.308	✓
	Total surface water withdrawn (Rain water)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.66	✓
	Surface water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.66	✓
	Surface water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total groundwater withdrawn	•	•	•	Megaliters	8.82	8.84	11.54	11.10	12.15	11.87	8.78	0.00	✓
	Total groundwater withdrawn	•	•	•	Million cubic meters	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	✓
	Groundwater (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	8.82	8.84	11.54	11.10	12.15	11.87	8.78	0.00	✓
	Groundwater (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total seawater withdrawn	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Seawater (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Seawater (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total produced water withdrawn	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Produced water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Produced water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total third-party water withdrawn	•	•	•	Megaliters	3.00	2.86	2.29	1.21	1.06	1.42	1.59	308.50	✓
	Total third-party water withdrawn	•	•	•	Million cubic meters	0.003	0.003	0.002	0.001	0.001	0.001	0.002	0.308	✓
	Third-party water (Freshwater ≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	3.00	2.86	2.29	1.21	1.06	1.42	1.59	270.88	✓
Third-party water (Other water > 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.62	✓	
Water recycled and reused													✓	
Total volume of water recycled and reused by the organization.	•	•	•	Megaliters	17.10	15.98	18.43	28.91	30.47	91.46	118.12	121.49	✓	
Total volume of water recycled and reused by the organization.	•	•	•	Million cubic meters	0.017	0.016	0.018	0.029	0.030	0.091	0.118	0.121	✓	
Water reused	•	•	•	Megaliters	0.00	0.08	3.62	12.96	13.85	17.11	34.47	25.80	✓	
Water recycled	•	•	•	Megaliters	17.10	15.91	14.81	15.96	16.63	74.35	83.65	95.69	✓	

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
GRI303-3	Total volume of water recycled and reused as a percentage of the total water withdrawal	•	•	•	%	5.76%	4.66%	5.41%	7.77%	8.01%	25.63%	32.01%	28.20%	✓
(Cont)	Total volume of water reused as a percentage of the total water withdrawal	•	•	•	%	0.00%	0.02%	1.06%	3.48%	3.64%	4.79%	9.34%	5.99%	✓
	Total volume of water recycled as a percentage of the total water withdrawal	•	•	•	%	5.76%	4.64%	4.35%	4.29%	4.37%	20.84%	22.67%	22.21%	✓
GRI303-4	Water Discharge													✓
	Total volume of water discharge in all areas	•	•	•	Megaliters	161.42	180.70	184.65	204.48	203.89	186.78	206.79	246.72	✓
	Total volume of water discharge in all areas	•	•	•	Million cubic meters	0.161	0.181	0.185	0.204	0.204	0.187	0.207	0.247	✓
	Surface water	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Groundwater	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Seawater	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Third-party water	•	•	•	Megaliters	161.42	180.70	184.65	204.48	203.89	186.78	206.79	67.07	✓
	Total volume of water discharge in water stressed	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.64	✓
	Surface water	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Groundwater	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Seawater	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Third-party water	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.64	✓
	Water discharge by freshwater and other water	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total volume of freshwater discharge (≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total volume of other water discharge (> 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Water discharge by freshwater and other water in	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total volume of freshwater discharge in water stressed areas (≤ 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total volume of other water discharge in water stressed areas (> 1000 mg/L Total Dissolved Solids)	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
GRI 303-5	Water consumption													✓
	Total water consumption (including rain water)	•	•	•	Megaliters	135.34	162.01	156.04	167.69	176.65	170.06	162.17	184.16	✓
	Total water consumption (including rain water)	•	•	•	Million cubic meters	0.135	0.162	0.156	0.168	0.177	0.170	0.162	0.184	✓
	Total water consumption (excluding rain water)	•	•	•	Megaliters	135.34	162.01	156.04	167.69	173.27	164.05	157.96	177.50	✓
	Total water consumption (excluding rain water)	•	•	•	Million cubic meters	0.135	0.162	0.156	0.168	0.173	0.164	0.158	0.177	✓
	Total water consumption in water stressed areas	•	•	•	Megaliters	11.82	11.70	13.83	12.30	13.21	13.29	10.37	135.51	✓
	Total water consumption in water stressed areas	•	•	•	Million cubic meters	0.012	0.012	0.014	0.012	0.013	0.013	0.010	0.136	✓
	Change in water storage, if water storage has been identified as having a significant water-related impact	•	•	•	Megaliters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	✓
	Total Water consumption Intensity (including rain water)	•	•	•	Megaliters/MUSD	0.116	0.136	0.129	0.129	0.121	0.124	0.089	0.078	✓
	Total Water consumption Intensity (including rain water)	•	•	•	m ³ /MUSD	115.64	135.79	128.83	128.81	120.92	123.87	89.38	78.44	✓
	Total Water consumption Intensity (excluding rain water)	•	•	•	Megaliters/MUSD	0.116	0.136	0.129	0.129	0.119	0.119	0.087	0.076	✓
	Total Water consumption Intensity (excluding rain water)	•	•	•	m ³ /MUSD	115.64	135.79	128.83	128.81	118.60	119.50	87.06	75.61	✓
GRI 305-1	Direct (Scope 1) GHG emissions													✓
	Total Direct (Scope 1) GHG emissions	•	•	•	Tons CO2e	824.00	488.00	935.09	971.45	932.98	897.08	1,359.72	1,641.300	✓
	Thailand				Tons CO2e	824.00	488.00	425.09	258.45	248.65	133.72	764.48	802.56	✓
	India				Tons CO2e				208.00	210.33	265.36	146.68	328.19	✓
	Slovakia				Tons CO2e			509.87	504.88	474.24	498.61	448.56	510.55	✓
GRI 305-2	Energy indirect (Scope 2) GHG emissions													✓
	Energy indirect (Scope 2) GHG emissions	•	•	•	Tons CO2e	37,662.00	39,858.00	42,098.00	43,206.00	42,120.44	40,126.24	42,160.33	53,122.330	✓
	Thailand				Tons CO2e	37,662.00	39,858.00	41,461.00	40,161.00	39,355.96	37,651.01	39,779.41	50,693.46	✓
	India				Tons CO2e				2,348.00	2,224.48	2,057.23	1,779.91	1,892.96	✓
	Slovakia				Tons CO2e			636.61	678.71	539.64	418.27	601.01	535.91	✓
GRI 305-3	Other indirect (Scope 3) GHG emissions													✓
	Other indirect (Scope 3) GHG emissions	•	•	•	Tons CO2e			36,739.00	33,254.60	65,718.59	56,309.65	95,149.07	103,911.180	✓
	Thailand				Tons CO2e			28,311.00	18,535.60	46,264.62	40,207.66	81,628.38	81,628.38	✓
	India				Tons CO2e				4,454.00	6,675.97	4,733.99	2,046.00	3,636.80	✓
	Slovakia				Tons CO2e			8,428.00	10,265.44	12,778.14	11,367.76	11,474.69	18,646.00	✓

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor	
		T	H	S											K
GRI 305-4	GHG emissions intensity													✓	
	Total GHG emissions (Scope 1 and Scope 2) intensity	*	*	*	Tons CO2e/MUSD	39.03	40.40	38.43	33.93	29.47	29.88	23.99	23.33	✓	
	Thailand				Tons CO2e/MUSD	39.03	40.40	40.04	36.20	31.79	31.36	24.48	23.19	✓	
	India				Tons CO2e/MUSD				1.96	1.67	1.69	1.06	0.95	✓	
	Slovakia				Tons CO2e/MUSD			1.02	0.91	0.69	0.67	0.58	0.45	✓	
	Total Other indirect (Scope 3) GHG emissions intensity	*	*	*	Tons CO2e/MUSD				32.81	25.54	44.99	41.02	52.44	44.26	✓
	Thailand				Tons CO2e/MUSD			25.28	14.24	31.67	29.29	44.99	34.77	✓	
	India				Tons CO2e/MUSD				3.42	4.57	3.45	1.13	1.55	✓	
	Slovakia				Tons CO2e/MUSD			7.53	7.89	8.75	8.28	6.32	7.94	✓	
GRI 305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions													✓	
	NOx (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.0525	0.00	0.1289	0.0548	5.5249	7.7836	8.9862	✓	
	SOx (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.00	0.00	0.0294	0.0142	0.0508	0.0641	0.0245	✓	
	CO (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		1.1201	0.5495	0.6723	3.6353	8.9519	6.1225	12.8842	✓	
	Tin (Sn) (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.5812	0.1982	1.2270	0.0528	0.3005	0.0496	0.1847	✓	
	Lead (Pb) (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.0451	0.0013	0.0015	0.0012	0.0095	0.0366	0.8332	✓	
	Xylene+Toluene intensity	*	*	*	Tons/MUSD		0.0010	0.0009	0.0012	0.0021	0.0009	0.00024	0.00033	✓	
	Xylene+Toluene	*	*	*	Tons/year		0.9861	0.9414	1.4504	2.9066	1.1933	0.4315	0.7786	✓	
	Xylene (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.6955	0.5514	0.7142	1.1950	0.5621	0.2334	0.3737	✓	
	Toluene (Slovakia's data was firstly consolidated in 2019)	*	*	*	Tons/year		0.2906	0.3900	0.7361	1.7116	0.6312	0.1981	0.4049	✓	
	Total Volatile Organic Compounds intensity (t VOCs)	*	*	*	Tons/MUSD						0.0600	0.0156	0.0356	✓	
	Total Volatile Organic Compounds (t VOCs)	*	*	*	Tons/year		N/A	N/A	N/A	N/A	82.59	28.97	83.58	✓	
	Total suspended particulate (TSP)	*	*	*	Tons/year		26.96	20.46	22.79	18.81	27.46	34.57	48.76	✓	

Indicators	Material Aspects	Coverage			Unit	2014	2015	2016	2017	2018	2019	2020	2021	Assured by independent auditor
		TH	SK	IN										
GRI 306-3	Waste generated (HW – Hazardous waste, NHW – Non-hazardous waste)													✓
	Total waste generated (HW + NHW)	•	•	•	Tons/year			2,987.66	3,170.62	3,391.59	3,152.78	4,110.58	4,222.87	✓
	Total waste generated intensity (HW + NHW)	•	•	•	Tons/MUSD			2.467	2.435	2.322	2.296	2.266	1.799	✓
	Diversion rate (Waste diverted divided by the total amount of waste)	•	•	•	%			92.73%	93.66%	94.25%	94.75%	98.60%	95.59%	✓
GRI306-3 (HW)	Total Hazardous waste	•	•	•	Tons/year			18.82	19.39	35.63	40.21	50.29	39.51	✓
	Hazardous waste intensity	•	•	•	Tons/MUSD			0.016	0.015	0.024	0.029	0.028	0.017	✓
GRI306-4 (HW)	Waste diverted from disposal	•	•	•	Tons/year			18.82	19.39	35.63	27.39	35.10	15.77	✓
	Preparation for reuse	•	•	•	Tons/year			0.12	0.16	0.18	0.16	0.00	1.05	✓
	Recycling	•	•	•	Tons/year			18.70	19.23	35.45	27.23	31.17	14.72	✓
	Other recovery operations (Heat recovery)	•	•	•	Tons/year			0.00	0.00	0.00	0.00	3.93	0.00	✓
GRI306-5 (HW)	Waste directed to disposal	•	•	•	Tons/year			0.00	0.00	0.00	12.82	15.20	23.73	✓
	Incineration (with energy recovery)	•	•	•	Tons/year			0.00	0.00	0.00	10.65	0.00	4.47	✓
	Incineration (without energy recovery)	•	•	•	Tons/year			0.00	0.00	0.00	0.00	0.00	0.01	✓
	Landfilling (secure landfill of stabilized and/or solidified wastes)	•	•	•	Tons/year			0.00	0.00	0.00	0.00	15.20	19.19	✓
	Other disposal operations (Demulsification)	•	•	•	Tons/year			0.00	0.00	0.00	2.17	0.00	0.06	✓
GRI306-3 (NHW)	Total Non-hazardous waste	•	•	•	Tons/year			2,968.84	3,151.23	3,355.96	3,112.57	4,060.29	4,183.43	✓
	Non-hazardous waste intensity	•	•	•	Tons/MUSD			2.451	2.421	2.297	2.267	2.238	1.782	✓
GRI306-4 (NHW)	Waste diverted from disposal	•	•	•	Tons/year			2,751.71	2,950.36	3,161.07	2,959.76	4,017.76	4,020.91	✓
	Preparation for reuse	•	•	•	Tons/year			255.26	286.50	318.92	342.97	31.50	497.17	✓
	Recycling	•	•	•	Tons/year			2,494.45	2,661.46	2,839.05	2,610.60	3,975.74	3523.74	✓
	Other recovery operations	•	•	•	Tons/year			2.00	2.40	3.10	6.20	10.52	0.00	✓
GRI306-5 (NHW)	Waste directed to disposal	•	•	•	Tons/year			217.13	200.87	194.89	152.81	42.53	162.52	✓
	Incineration (with energy recovery)	•	•	•	Tons/year			5.73	4.51	5.59	9.11	0.00	21.33	✓
	Incineration (without energy recovery)	•	•	•	Tons/year			0.00	0.00	0.00	0.00	0.00	0.00	✓
	Landfilling	•	•	•	Tons/year			211.40	196.36	189.30	143.70	42.53	141.19	✓
	Other disposal operations	•	•	•	Tons/year			0.00	0.00	0.00	0.00	0.00	0.00	✓

The average results of water parameter from water discharged 2017- 2021

Average results of water parameter in 2017- 2021 (Delta Electronics Thailand PCL: DET 1,3,5,6)									
No.	PARAMETERS	Unit	Analysis Method	STD.	2017	2018	2019	2020	2021
1	pH	-	pH Meter	5.5-9.0	7.63	7.80	6.90	7.13	7.10
2	Temperature	-C	Thermometer	45	31.10	29.37	32.00	31.75	30.40
3	Color (Original)*	ADMI	ADMI Method	600	pass	94.00	124.00	133.00	115.75
4	Odor	-	-	Pass	pass	pass	pass	pass	pass
5	BOD	mg/l	Azide Modification	500	36.67	121.67	85.33	79.50	93.75
6	COD	mg/l	Closed Reflux	750	79.82	248.33	150.33	166.25	261.75
7	Suspended Solids (SS)	mg/l	Dried at 103-105 °C	200	24.67	44.70	39.33	51.00	102.75
8	Total Dissolved Solids (TDS)	mg/l	Dried at 180 °C	3000	531.33	1,000.00	563.33	442.50	630.00
9	Total Kjeldahl Nitrogen (TKN)	mg/l	Kjeldahl Method	100	40.57	48.33	45.33	67.25	61.00
10	Grease & Oil	mg/l	Partition & Gravimetric	10	6.80	5.00	5.00	6.25	5.58
11	Sulfide	mg/l	Iodometric Method	1	0.46	0.46	0.36	0.50	0.45
12	Free Chlorine*	mg/l	DPD Colorimetric	1	0.19	0.10	0.10	0.05	0.05
13	Cyanide as HCN *	mg/l	Pyridine-Barbituric Acid	0.2	0.02	0.02	0.02	0.02	0.02
14	Formaldehyde *	mg/l	Colorimetric	1	0.00	0.00	0.00	0.00	0.00
15	Phenols Compound *	mg/l	Colorimetric	1	0.03	0.01	0.03	0.11	0.02
16	Surfactant	mg/l	Colorimetric	30	0.23	0.23	0.02	0.08	0.02
17	Fluoride (F) *	mg/l	SPADNS	5	0.27	0.56	0.88	0.67	0.83
18	Arsenic (As)*	mg/l	Inductively coupled plasma	0.25	0.00	0.00	0.00	0.00	0.00
19	Barium (Ba)*	mg/l	Inductively coupled plasma	1	0.05	0.06	0.33	0.04	0.08
20	Cadmium (Cd)*	mg/l	Inductively coupled plasma	0.03	0.00	0.00	0.01	0.00	0.00
21	Chromium (Cr+3)*	mg/l	Inductively coupled plasma	0.75	0.05	0.00	0.02	0.00	0.01
22	Chromium (Cr+6)*	mg/l	Inductively coupled plasma	0.25	0.01	0.01	0.00	0.00	0.00
23	Copper (Cu)*	mg/l	Inductively coupled plasma	2	0.02	0.11	0.12	0.03	0.16
24	Iron (Fe)*	mg/l	Inductively coupled plasma	10	0.90	0.37	0.82	0.34	0.48
25	Lead (Pb)*	mg/l	Inductively coupled plasma	0.2	0.00	0.01	0.01	0.01	0.01
26	Manganese (Mn)*	mg/l	Inductively coupled plasma	5	1.82	0.14	0.13	0.16	0.09
27	Mercury (Hg)*	mg/l	Inductively coupled plasma	0.005	0.00	0.00	0.00	0.00	0.00
28	Nickel (Ni)*	mg/l	Inductively coupled plasma	1	0.00	0.00	0.01	0.00	0.00
29	Selenium (Se)*	mg/l	Inductively coupled plasma	0.02	0.00	0.00	0.00	0.00	0.00
30	Silver (Ag)*	mg/l	Inductively coupled plasma	1	0.00	0.00	0.00	0.00	0.00
31	Zinc (Zn)*	mg/l	Inductively coupled plasma	5	0.03	0.19	0.55	0.10	0.21

Average results of water parameter in 2017- 2021 (Delta Electronics India Pvt. Ltd)									
No.	PARAMETERS	Unit	Analysis Method	STD.	2017	2018	2019	2020	2021
1	pH	-	IS : 3025 (P-11)	5.5-9.0	7.40	7.33	7.35	7.73	7.58
2	Temperature (°C)	°C	IS : 3025 (P-9)	-	23.50	25.00	26.50	24.00	23.50
3	Eff. TDS	(mg/l)	IS : 3025 (P-16)	-	683.00	586.50	660.00	766.00	777.00
4	Avg. Eff. TSS/SS	(mg/l)	IS : 3025 (P-17)	100	40.00	36.00	21.50	47.00	33.80
5	Grease & Oil	(mg/l)	IS : 3025 (P-39)	10	4.00	4.00	4.00	3.16	3.00
6	Eff. COD	(mg/l)	IS : 3025 (P-58)	250	60.25	53.70	53.10	75.20	72.20
7	Eff. BOD	(mg/l)	IS : 3025 (P-44)	30	22.00	20.50	15.00	20.50	16.00
8	Total Nitrogen (as N)	(mg/l)	IS : 3025 (P-34)	10	2.81	2.80	3.31	2.72	2.96
9	Manganese (Mn)	(mg/l)	IS : 3025 (P-59)	2	0.005	0.005	0.005	0.01	0.16
10	Sulfide	(mg/l)	IS : 3025 (P-29)	2	1.000	1.000	1.000	0.55	0.50
11	Fluoride (F)	(mg/l)	APHA 4500-F D	2	0.780	0.650	0.680	0.42	0.64
12	Ammonical Nitrogen as NH3-N)	(mg/l)	APHA 4500 NH3 C	50	6.230	4.935	2.735	4.44	3.46
13	Copper (Cu)	(mg/l)	APHA 3125 B	3	0.008	0.005	0.953	0.01	0.00
14	Zinc (Zn)	(mg/l)	IS : 3025 (P-49)	5	0.790	0.640	1.295	0.54	0.54
15	Phenols Compound as C6H5OH	(mg/l)	IS : 3025 (P-43)	1	0.001	0.001	0.001	0.00	0.00
16	Total Residual Chlorine	(mg/l)	IS : 3025 (P-26)	1	0.200	0.200	0.200	0.15	0.15
17	Arsenic (As)	(mg/l)	APHA 3125 B	0.2	0.005	0.005	0.005	0.01	0.00
18	Cadmium (Cd)	(mg/l)	APHA 3125 B	2	0.003	0.003	0.163	0.23	0.00
19	Vanadium (as V)	(mg/l)	APHA 3125 B	0.2	0.010	0.010	0.010	0.01	0.01
20	Chromium (Cr+6)	(mg/l)	APHA 3125 B	0.1	0.028	0.050	0.035	0.04	0.03
21	Chromium (Cr+3)	(mg/l)	APHA 3125 B	2	0.005	0.005	0.005	0.01	0.00
22	Lead (Pb)	(mg/l)	APHA 3125 B	0.1	0.028	0.028	0.005	0.01	0.00
23	Selenium (Se)	(mg/l)	APHA 3125 B	0.05	0.005	0.005	0.005	0.01	0.00
24	Mercury (Hg)	(mg/l)	EKO/CHEM/SOP-ICPMS/W-01	0.01	0.001	0.001	0.001	0.00	0.00
25	Phosphate (as PO4)	(mg/l)	IS : 3025 (P-31)	5	1.720	1.750	1.140	1.71	1.51
26	TKN	(mg/l)	APHA 4500 N	100	4.800	4.310	4.180	4.26	6.33
27	Cyanide as HCN	(mg/l)	APHA 4500 CN-K	0.2	Absent	Absent	Absent	Absent	Absent
28	Nikel (Ni)	(mg/l)	APHA 3125 B	3	0.008	0.005	0.513	1.08	0.00
29	Iron (Fe)	(mg/l)	APHA 3125 B	3	0.480	0.370	0.410	0.44	0.37

CONSOLIDATE
WASTE DATA 2021

GRI 306-3 Waste generated

	Waste generated (tons)	Waste diverted from disposal (tons)	Waste directed to disposal (tons)
Waste composition	306-3	306-4	306-5
Hazardous waste	39.51	15.85	24.72
Non-hazardous waste	4183.43	4020.91	162.52
Total waste	4222.94	4036.75	187.24

GRI 306-4 Waste diverted from disposal

	Onsite (tons)	Offsite (tons)	Total (tons)
Hazardous waste	306-4	306-4	306-4
Preparation for reuse	0.37	0.68	1.05
Recycling	0.00	14.79	14.79
Other recovery operations	0.00	0.00	0.00
Total	0.37	15.47	15.85
Non-hazardous waste	306-4	306-4	306-4
Preparation for reuse	0.00	497.17	497.17
Recycling	0.00	3523.74	3523.74
Other recovery operations	0.00	0.00	0.00
Total	0.00	4020.91	4020.91
Waste prevented (tons)			
Waste prevented			1016.82

GRI 306-5 Waste directed to disposal

	Onsite (tons)	Offsite (tons)	Total (tons)
Hazardous waste	306-5	306-5	306-5
Incineration (with energy recovery)	0.00	4.47	4.47
Incineration (without energy recovery)	0.00	0.00	0.00
Landfilling	0.00	19.19	19.19
Other disposal operations	0.00	0.00	0.00
Total	0.00	23.66	23.66
Non-hazardous waste	306-5	306-5	306-5
Incineration (with energy recovery)	0.00	21.33	21.33
Incineration (without energy recovery)	0.00	0.00	0.00
Landfilling	0.00	141.19	141.19
Other disposal operations	0.00	0.00	0.00
Total	0.00	162.52	162.52