

ENVIRONMENT



Datasonic, as a manufacturer of printed card and smart card for commercial, financial and government sector, is committed to pollution prevention in manufacturing activities and products by properly managing waste generation and reducing wastage of natural resources. We are committed to comply with all applicable compliance obligations and continual improvement of environmental performance.

(Source: Extracts of DMSB's Environmental Policy)

As we operate in a dynamic and hi-tech industry, we recognise the environmental challenges that this creates. Along with managing our own impacts, we have a responsibility to improve the efficiency of our supply chain, besides ensuring delivery of quality products and services while helping customers address their sustainability challenges.

Energy Management

	FY16	FY17	FY18	FY19	FY20
Electricity Consumption (<i>kWh</i>)	1,170,620	1,355,209	1,562,895	1,849,518	1,711,820 ^{N1}
Diesel Consumption, Genset (<i>litre</i>)	20	20	20	24	444 ^{N2}

N1 In FY20, electricity consumption had reduced compared to FY19, in line with lower production volumes and/or operational efficiency improvements.

N2 Includes 420 litres of diesel purchased for the new power generator (Genset) at the Manufacturing Centre in Meru, Klang. Usage is reported based on annual top-up value of diesel.

Operational efficiency improvements include energy savings-related projects and a continued focus on utility usage awareness, such as:

- Reducing energy consumption by switching off the lights and/or setting office equipment to standby mode when not in use;
- Replacing office fittings & equipment with energy-efficient solutions at our office premises; Reusing and recycling paper and printer toners and cartridges;
- Reducing paper consumption through the use of online solutions/applications, including circulation of electronic papers for Board meetings, whereby documents are saved in shared folders with controlled accessibility to reduce paper consumption; and
- Procurement of paper that is sourced from sustainable forests & controlled sources, namely paper certified by the Programme for the Endorsement of Forest Certification ("PEFC").

Waste Management

Generally, we reduce waste and manage the residue in an environmentally sound manner.

Waste generated from our production is categorised into two main categories: solid waste and scheduled waste, as presented below:

	FY16	FY17	FY18	FY19	FY20
Solid Waste (kg)	3,539	1,120	23,635	36,861	14,862
Shredded waste paper	1,740	-	22,530	29,110	13,737
Rejected plastic goods (PVC, PC, PET)	279	170	160	1,202	218
Carton box/Packaging box from vendor	215	110	105	2,733	165
Plastic core/container	120	75	70	2,656	355
Module tape (<i>contains gold and/or silver</i>)	90	45	50	70	5
Metal	1,095	720	720	1,091	382
Scheduled Waste (kg)	209	-	1,971	12,060	3,532
Machine hydraulic oil	39	-	-	-	314 ^{N4}
Thermal oil	170	-	-	-	-
Inks, paints, pigments, lacquer, dye, varnish products containing organic solvent, etc.	-	-	1,971	9,950	2,638
Contaminated cotton rag and gloves	-	-	-	600	243
Contaminated drum & paint container	-	-	-	1,510	299
Discarded or off-specification ink	-	-	-	-	30
Electrical and electronic assemblies containing components	-	-	-	-	8

N4 New machine hydraulic oil, in line with relocation of our factory from Port Klang to Meru, Klang.

Year-on-year, the volume of *solid waste* disposed have reduced by 21,999kg in FY20 as compared to FY19 due mainly to much lesser shredded waste paper, rejected plastic goods and carton boxes/packaging boxes from vendor.

We reuse and recycle waste up to the capacity of internal consumption only. Types of waste being recycled include carton boxes and plastic containers; provided that such waste do not contain any secure or sensitive information. We engaged a professional company to provide the following services:

- Expert information security services to ensure that our sensitive documents and information are managed with total security; and
- Destruction services for the management of secure information and the recycling of our general office paper waste.

As we are aware that *scheduled waste* can be potentially hazardous to human health or the environment if improperly managed, the handling and disposal of scheduled waste from our manufacturing plant is outsourced to a third-party licensed contractor (which is a leading recovery and recycling scheduled waste company in Malaysia) to dispose of our chemical waste properly. This ensures that this type of waste is properly treated before it is disposed of safely.

Water Management

Water is essential to Datasonic's manufacturing operations. Datasonic strives to support sustainable water management by reducing water consumption wastages.

Water Consumption (m3)	FY16	FY17	FY18	FY19	FY20
Manufacturing Centre, Petaling Jaya	5,181	4,219	2,900	2,568	1,821
Manufacturing Centre, Port Klang/Meru	921	781	896	969	819
Card Perso. Centre (Wisma RPS)	1,581	3,213	1,770	1,535	2,153
Total	7,683	8,213	5,566	5,072	4,793

Water consumption reduced by 279m³ in FY20 compared to FY19 due mainly to lower production volume at our manufacturing centres located in Petaling Jaya and Port Klang/Meru.