

“Best Application of AI in the Enterprise Category” award at The Alconics; Verification by Abstraction and Test Generation emerged winner in the International Competition on Software Verification 2019 held at TACAS in Prague, Czech Republic. TCS’ Digital Twin Solution won the IT Innovation - Express IT Award. The TCS digital assistive solution to improve physiotherapy regimen for children with locomotor disabilities won several awards and was deployed jointly in a TCS client’s program at a rehabilitation center.

As of March 31, 2019, the Company has applied for 4,596 patents cumulatively. Till date the Company has been granted 946 patents.

Future Plan of Action

Business 4.0 and its enabling technologies, digital reimagination of industry and society, and industrialization of software and computing will continue to be the focus of TCS R&I. Engagement with all its businesses, with its Co-Innovation Network, and with society at large will continue.

Expenditure on R&D

TCS Innovation Labs are located in India and other parts of the world. These R&D centers, as certified by Department of Scientific & Industrial Research (DSIR) function from Pune, Chennai, Bengaluru, Delhi- NCR, Hyderabad, Kolkata and Mumbai.

Expenditure incurred in the R&D centers and innovation centers during FY 2019 and FY 2018 are given below:

(₹ crore)

Expenditure on R&D and innovation		Unconsolidated		Consolidated	
		FY 2019	FY 2018	FY 2019	FY 2018
a.	Capital	2	-	2	-
b.	Recurring	303	295	306	298
c.	Total R&D expenditure (a+b)	305	295	308	298
d.	Innovation center expenditure	1,285	1,079	1,352	1,202
e.	Total R&D and innovation expenditure (c+d)	1,590	1,374	1,660	1,500
f.	R&D and innovation expenditure as a percentage of total turnover	1.3%	1.4%	1.1%	1.2%

Foreign exchange earnings and outgo

Export revenue constituted 93.3 percent of the total unconsolidated revenue in FY 2019 (92.2 percent in FY 2018).

(₹ crore)

Foreign exchange earnings and outgo		FY 2019	FY 2018
a.	Foreign exchange earnings	119,499	92,258
b.	CIF Value of imports	447	768
c.	Expenditure in foreign currency	49,336	33,014

28. Acknowledgments

The Directors thank the Company’s employees, customers, vendors, investors and academic partners for their continuous support.

The Directors also thank the Government of India, Governments of various states in India, Governments of various countries and concerned Government departments and agencies for their co-operation.

The Directors appreciate and value the contribution made by every member of the TCS family.

On behalf of the Board of Directors

N Chandrasekaran
Chairman

Mumbai, April 12, 2019