सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

वाणिज्यिक जानकारी एवं सांख्यिकी महानिदेशालय
Directorate General of Commercial Intelligence & Statistics

वाणिज्यिक जानकारी एवं सांख्यिकी महानिदेशालय, कोलकाता

DIRECTORATE GENERAL OF COMMERCIAL INTELLIGENCE AND STATISTICS KOLKATA

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DIRECTORATE GENERAL OF COMMERCIAL INTELLIGENCE AND STATISTICS

Scope of DGCI&S

Directorate General of Commercial Intelligence and Statistics (DGCI&S) is a Premiere organization in the country for collection, compilation and dissemination of India's trade in Merchandised goods Statistics, Inter-state movement of goods statistics and Commercial Intelligence. This directorate has also started compiling trade in software services. Genesis of DGCI&S can be traced back to the Statistical Branch which was established in the then Finance Department in 1862.

Trade data of merchandised goods is collected against a number of ITCHS Codes (Indian Trade Classification of Harmonized System Codes), which are decided by Central Board of Indirect Taxes and Customs (CBIC). 8-digited ITCHS codes in India are to suit the national trade requirement with standard unit, as against the 6-digited international HS codes. These ITCHS codes have been regrouped into 168 homogeneous Principal Commodity Groups for ease of computation which are further grouped into 30 Major Commodity Groups for easy understanding of the basic trade. All these groupings have been done in consultation with Directorate General of Foreign Trade (DGFT) under Ministry of Commerce and Industry.

Trade in service data is being complied for software service and ICT/ICT enabled service, collected from SEZ & STPI units.

DGCIS is also compiling trade indices on unit value and quantity in addition to the compilation of trade data.

Trade Data and related reports are being disseminated and published as and when required, as per need of Parent Ministry, other Govt. body and users and maintaining international standard. All the reports are published in DGCI&S website and aggregate level data are made available in DGCIS dashboard/Portal.

Manpower

The position of Group A, Group B and Group C of this Directorate is as follows:

Grade	Sanctioned	In position
Gazetted (Group A)	27	17
Gazetted (Group B)	58	52
Non Gazetted (Group B)	132	77
Group C	208	88

Officers from the Indian Statistical Service (ISS) and Indian Economic Service (IES) are posted to supervise the key functions of this Directorate. There are post for 20 ISS and 4 IES officers.

Budget

Budget and Expenditure for DGCI&S for last 5 years is as follows:

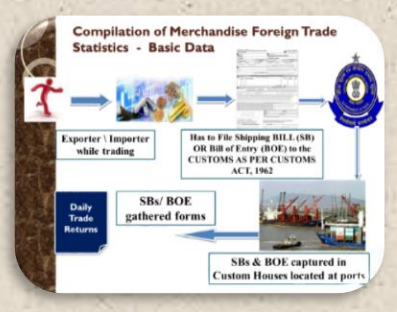
Financial Year	Budget Estimate (Crore)	Revised Estimate (Crore)	Actual Expenditure (Crore)
2017-2018	42.65	41.96	41.96
2018-2019	45.00	45.71	45.71
2019-2020	50.00	39.06	39.06
2020-2021	49.55	33.45	33.40

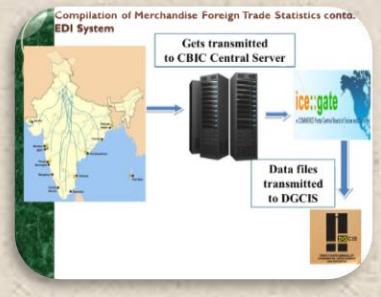
Branches of DGCI&S

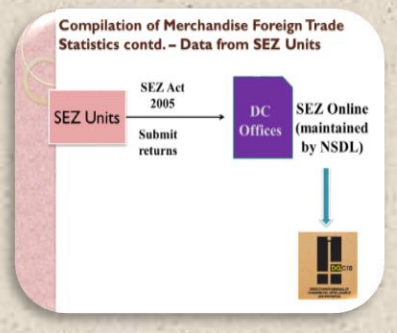
These activities of DGCI&S are performed through the following Divisions

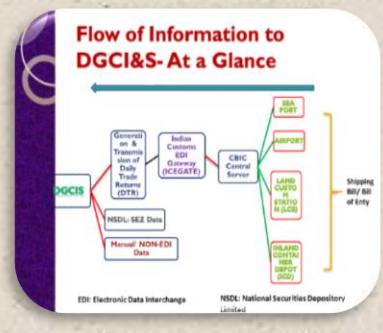
Sl no	Section	Work done
1	Electronic Data Processing (EDP)	System maintenance, Data compilation and programming
2	Export	Processing of Export data
3	Import	Processing of Import data
4	Service	Survey, compilation, processing and report generation on trade in service data
5	Ancillary Statistics	Publishing Ancillary Statistics and Trade Indices
6	Commercial Intelligence and Data Analytic	Analysis of trade data based on economic indicators
7	Dissemination & Co-ordination	Disseminating trade data and coordinating with different users
8	Administration	Dealing Overall administration of DGCI&S

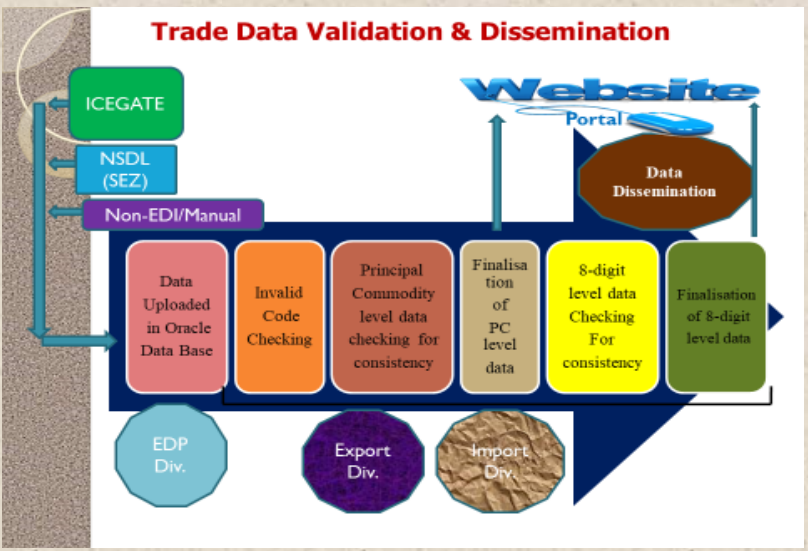
Data flow of merchandise trade











Customs Ports	Mode	Frequency	File Type
EDI	Secured File transfer through MFTP (ICEGATE)	Daily	Structured Data file
Non EDI/Manual	Email or CD (customs location)	Monthly	Excel file (not structured)
	Hand written DTR through post	---	Hand Written DTR
SEZ Units	Email	Daily	Structured Data file

Conceptual Framework for Compilation of merchandise Trade Statistics

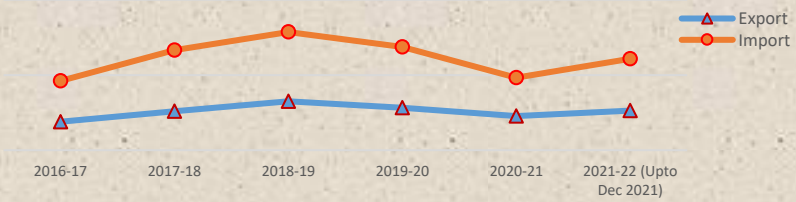
Report and data Published on merchandise trade

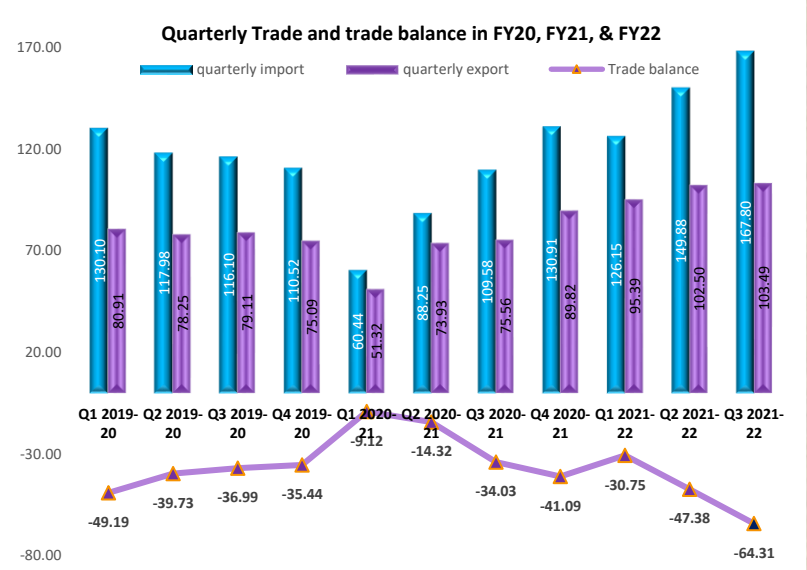
SL	Name of data/report	Status	Stakeholder(s)	Remark
		DAILY		
1.	Onion, Pulse, Agri product	Regular from February 2020	DGFT	Upto date
2.	50 Specified HS codes, latex and sterile gloves related to COVID-19	Regular from March 2020. Currently, combined together and sent on weekly basis	DGFT	Upto date
		WEEKLY		
1.	Value of 31 Major Commodity Groups as well as 40 major country-wise data	Sent on 8th,15th,22nd of every month and on 1st of next month	CS, DGFT, CIM Office	Upto date
2.	Specified agricultural commodities	-do-	DAC&FW	Upto date
3.	Sugar	-do-	-do-	Upto date
4.	52 HS Codes	-do-	DGFT	Upto date
		MONTHLY		
1.	Zero gap press release based on Preliminary Estimate of 31 Major Commodity Groups and 40 major country-wise data	1st working day of next month	CS, DGFT, CIM Office	Upto Jan 2022
2.	Export target data for 400 billion	-1st working day of next month - from July 2021	DGFT	Upto Jan 2022
3.	District level export data	-1st working day of next month - from July 2021	-do-	Upto Jan 2022
4.	Press release based on Quick Estimate of 31 Major Commodity Groups Major Commodity Groups	15th of next month	-do-	Upto Jan 2022
5.	Panel data for different Export Promotion Councils	After release of Quick Estimate	DoC	Upto Jan 2022
6.	Time series data	After release of Quick Estimate	CS, CIM, DGFT	Upto Jan 2022
7.	Principal Commodity Level data	By 20th of every month	DoC	Upto Dec 2022
8.	Volume Analysis	After release of Principal Commodity Level data	-do-	Upto Dec 2022
9.	MSFT at ITCHS level	Time lag of 30 days	-do-	Upto Dec 2022

Key Statistics on merchandise trade

Percentage Distribution of Records Processed by type of records								
Years	Export				Import			
	% of Records			Total Records (in lakh)	% of Records			Total Records (in lakh)
	EDI	Non-EDI including SEZ	Manual		EDI	Non-EDI including SEZ	Manual	
2016-17	90.31	9.13	0.56	105	94.08	5.88	0.04	82
2017-18	91.85	8.02	0.13	113	94.62	5.36	0.02	92
2018-19	93.30	6.70	0.00	134	95.20	4.80	0.00	122
2019-20	93.01	6.99	0.00	137	94.94	5.06	0.00	121
2020-21	93.13	6.87	0.00	125	94.77	5.23	0.00	100
2021-22 (Upto Dec 2021)	95.59	4.41	-	197	95.89	4.11	-	162

Percentage Distribution of trade value by type								
Years	Export				Import			
	% of trade value			Total Value (in billion USD)	% of trade value			Total Value (in billion USD)
	EDI	Non-EDI including SEZ	Manual		EDI	Non-EDI including SEZ	Manual	
2016-17	79.79	20.11	0.11	275.75	80.53	19.30	0.17	384.32
2017-18	83.57	16.33	0.10	303.55	87.40	12.55	0.05	465.60
2018-19	84.84	15.16	0.00	330.04	89.05	10.94	0.01	514.09
2019-20	84.48	15.52	0.00	313.11	88.19	11.81	0.00	474.06
2020-21	87.46	12.35	0.19	290.88	88.06	11.94	0.00	392.85
2021-22 (Upto Dec 2021)	83.19	16.81	-	305.22	88.51	11.49	-	442.85





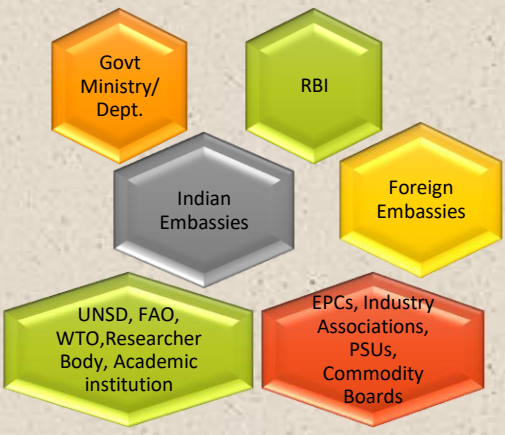
Share of top 10 Commodity groups in Import in FY20, FY21, & FY22

Commodity Groups	Share in total import in			Share increased / decreased
	FY20 (Q1,Q2,Q3 combined)	FY21 (Q1,Q2,Q3 combined)	FY22 (Q1,Q2,Q3 combined)	
Petroleum, Crude & products	26.56	20.79	26.65	↑
Electronic goods	11.83	14.84	11.49	↓
Gold	6.33	6.50	8.57	↑
Machinery, electrical & non-electrical	7.89	7.75	6.46	↓
Organic & Inorganic Chemicals	4.41	5.31	5.05	↓
Pearls, precious & Semi-precious stones	4.71	4.54	4.98	↑
Coal, Coke & Briquettes, etc.	4.75	4.39	4.87	↑
Artificial resins, plastic materials, etc.	3.09	3.40	3.33	↓
Vegetable Oil	2.00	3.09	3.17	↑
Non-ferrous metals	2.77	3.00	2.84	↓
GRAND TOTAL	**100.00**	**100.00**	**100.00**	-
Top 10 commodity	**74.33**	**73.62**	**77.40**	↑
Other	**25.67**	**26.38**	**22.60**	↓

Share of top 10 Commodity groups in Export in FY20, FY21, & FY22

Commodity Groups	Share in total import in			Share increased / decreased
	FY20(Q1,Q2,Q3 combined)	FY21(Q1,Q2,Q3 combined)	FY22(Q1,Q2,Q3 combined)	
Engineering Goods	25.10	26.33	27.13	↑
Petroleum Products	13.49	8.76	14.56	↑
Gems & Jewellery	11.74	8.41	9.59	↑
Organic & Inorganic Chemicals	6.98	7.94	7.10	↓
Drugs & Pharmaceuticals	6.56	9.00	6.03	↓
Cotton Products etc.	3.17	3.38	3.75	↑
RMG of all Textiles	4.80	4.08	3.69	↓
Electronic Goods	3.68	3.70	3.66	↓
Plastic & Linoleum	2.46	2.72	2.43	↓
Rice	1.86	2.98	2.27	↓
GRAND TOTAL	**100.00**	**100.00**	**100.00**	-
Top 10 commodity	**79.85**	**77.29**	**80.20**	↑
Other	**20.15**	**22.71**	**19.80**	↓

Users of merchandise Trade Data



Trade in service

Survey Coverage: DGCIS so far has conducted surveys on Export on ICT-Enabled Services, Health Services, and Education Services.

ICT-Enabled Services: DGCIS conducted surveys on Exports of ICT-enabled Services for Financial Year 2016-17 & 2017-18 and the Reports of the same have been published. The work of frame updation is under process for next round of survey.

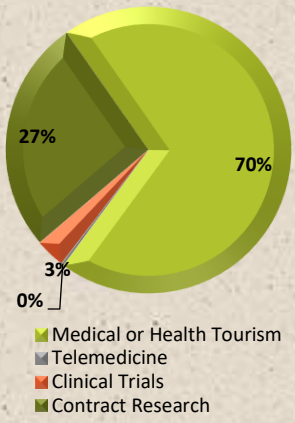
Health Services: DGCIS published report on Export of Health Services conducted during Financial Year 2015-16. The work of frame updation is under process for next round of survey.

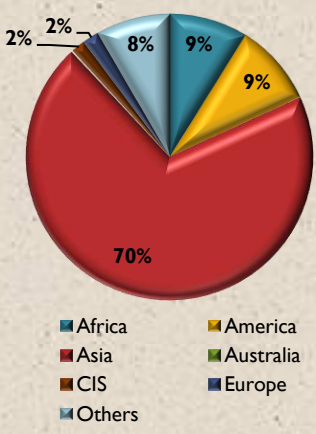
Education Services: Data relating to Export of Education Services will be captured through All-India Survey on Higher Education (AISHE) to be conducted by Ministry of Education from September 2021

Administrative Source: Exports of Software services reported in SERF format through SEZ and STPI are being collected and processed.

Exports of Health Services

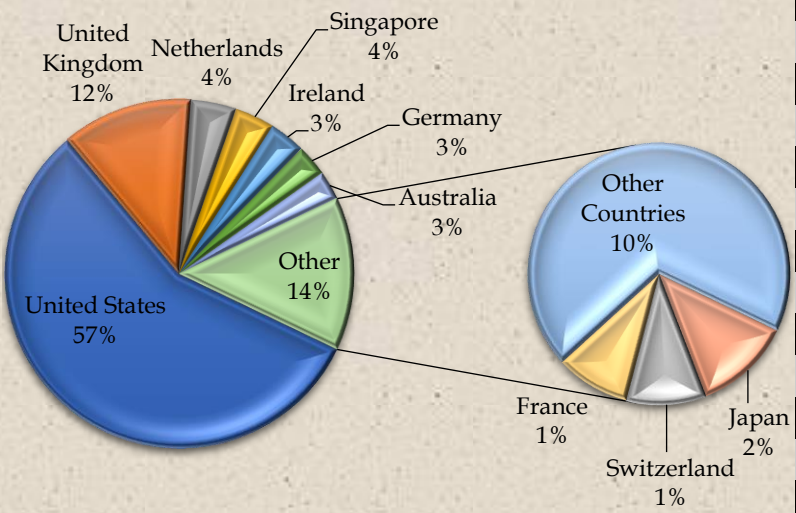
2015-16

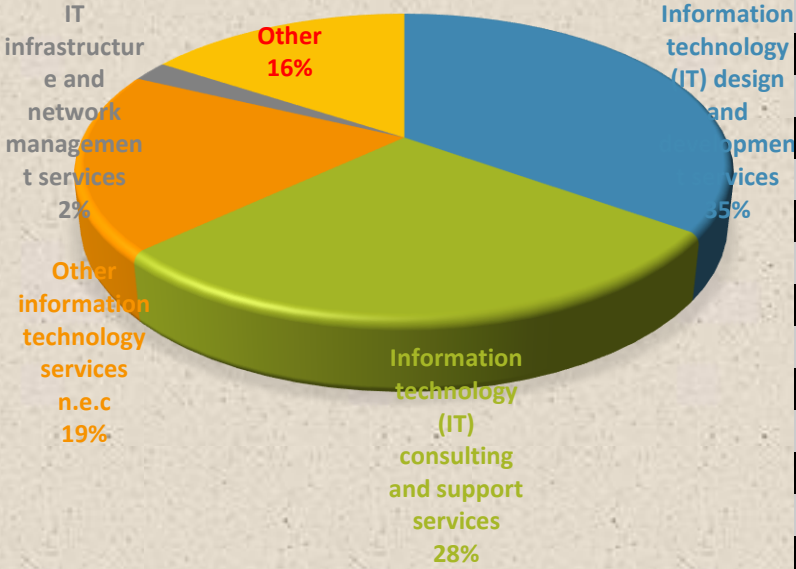




Export of Sotware Services

2020-21





Ancillary Statistics

Annual Publication on Inter-State Movements of Goods by Rail, River and Air on 70 major commodities (in 4-digits HS). -- latest version 2020-21

Annual Publication on Inland Coasting Trade Consignments of India for costal shipping --latest version 2019-20

Annual Publication on Selected Statistics on Foreign Trade of India--latest version 2019-20

Annual Publication on Foreign and Coastal Cargo Movements of India , for ships/ vessels moving in and out of India--latest version 2019-20

Trade Indices

DGCIS is the only Govt. organization for disseminating trade data as well as trade index.

Index Numbers of Foreign Trade

(Base : 2012-13=100)

Year	Unit Value Index		Volume Index	
	Exports	Imports	Exports	Imports
(1)	(2)	(3)	(4)	(5)
2014-15	109	100	155	104
2015-16	104	85	186	111
2016-17	108	88	224	112
2017-18	110	92	200	123
2018-19	124	109	125	126
2019-20	125	103	145	125
2020-21	140	105	116	107

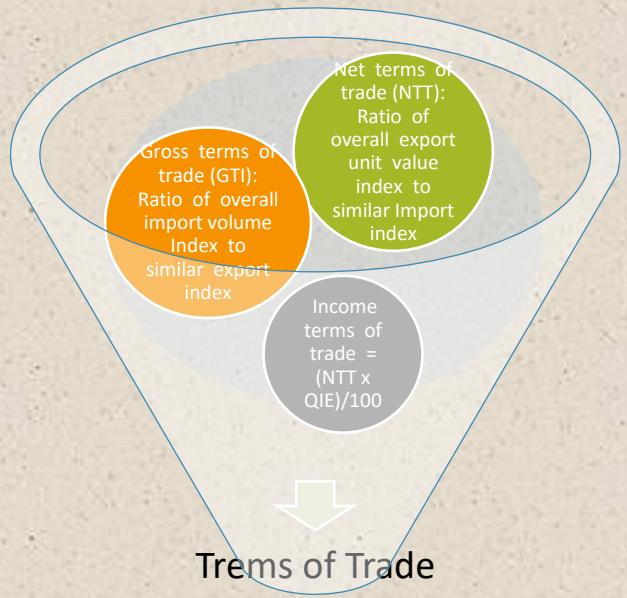
In 2020-21, export unit trade value increased by 40% over the base year 2012-13 while import unit trade value increased by 5% over the base year. Trade volume for export and import increased in 2020-21 by 16% and 7% respectively over the base year. *(Unit value index is not price index)*

Terms of Trade

(Base: 2012-13=100)

Year	Terms of Trade		
	Gross	Net	Income
(1)	(6)	(7)	(8)
2014-15	67	109	169
2015-16	60	123	228
2016-17	50	123	274
2017-18	62	120	240
2018-19	101	114	142
2019-20	86	121	176
2020-21	92	133	155

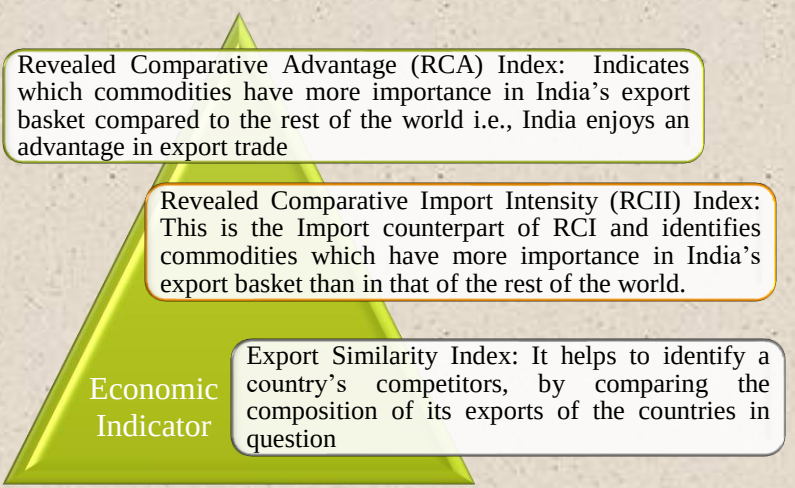
Source: DGCI&S, Kolkata



Gross Terms of Trade (GTT) *is the ratio between the volume index of a country's imports and exports. All other things remaining unchanged, the higher the value of GTT the better it is for a country. It implies an increased volume of import can be done for the same volume of exports. In 2019-20 the GTT fell to 86 from 101 in 2018-19. This indicate a decline in the ability to import in exchange for the same volume of exports. In 2020-21, however, GTT increased to 92 implying an improvement in terms of GTT. This is supported by the volume index where volume index of export decreased more compared to decline in volume index of import.*

Net Terms of Trade (NTT) *is the ratio between the unit value index of a country's export goods and import goods. A fall in the NTT may be desirable if it leads to a significant expansion in export volumes so that the value of exports rises. As a result the capacity to import rises. In 2019-20 the NTT rose from 114 to 121 in 2018-19. This implies exports became costlier than imports and hence return from export will bring less import. In 2020-21 also, the NTT increased to 133 implying a rise in terms of NTT. It is evident from the UVI where UVI of Export rose from 125 to 140, UVI of Import increased merely from 103 to 105*

Income terms of trade (ITT) *is corresponds to the NTT multiplied by the volume of exports. ITT measures the purchasing power of exports—the amount of imports that can be financed by the total exports. In 2019-20, both the NTT and export volume index increased over previous years leading to a significant increase in ITT over 2018-19 i.e., purchasing power of export increased in 2019-20 over 2018-19. However, in 2020-21 the situation got reversed as NTT increased but the strength of decrease in export volume index was more leading to a significant decline in ITT and hence in 2020-21 purchasing power of export decreased.*



A data analytics module built with the help of Oracle Business Intelligence software, wherein a slew of trade indicators have been used for analysis of trade data for the benefit of policy-makers, exporters and importers and researchers.

Reports on Country Profiles, Commodity Profiles, BEC-SNA, as well as Monthly Reports are being published which are available in DGCIS website.

Some Data Snapshots w.r.t Indicators in year 2020 (for USA and UK)

(Data Source: UN Comtrade ; Indicators Computed using Oracle BI Application)

Indicators	India-USA	India-UK
TCI	0.342	0.340
TCI (India-World)	0.417	0.417
RTCI	0.820	0.814
ETII	1.276	0.629
ECI	0.187	0.105
CI (for HS 16, i.e. Meat, fish and seafood food preparations nes)	(6.53,3.43)	(0.24,0.24)

Descriptions

TCI: Trade Complementarity Index

RTCI: Relative Trade Complementarity Index

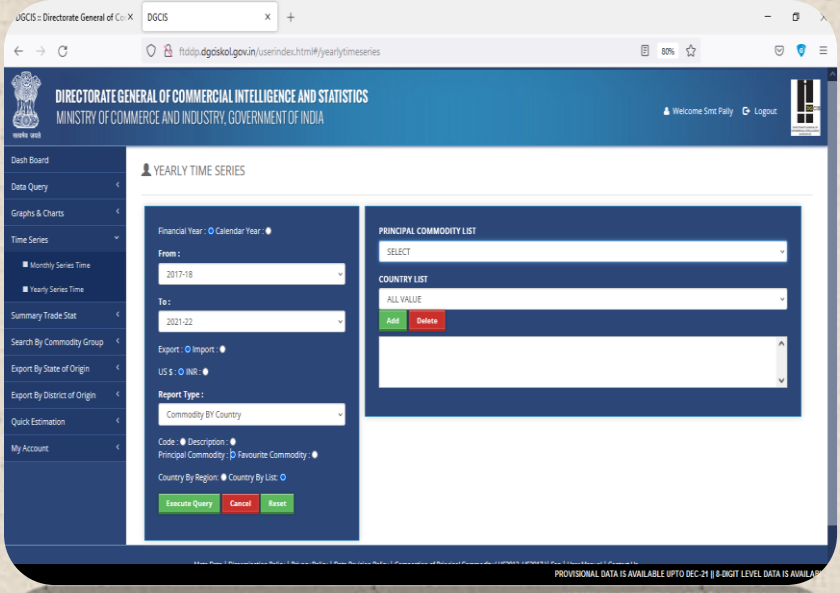
ETII: Export Trade Intensity Index

ECI: Export Concentration Index

CI : Competitiveness Index

- Trade Complementarity (TCI) of India with USA and UK is similar, about 0.34. It is on the lower side (relative to the world where India's complementarity is 0.42). To improve TCI, absolute gaps in demand(USA or UK imports) and supply(Indian exports) of ITC HS chapters, to begin with have to be studied. This matter must be discussed in bilateral negotiations.
- Given the TCI, trade intensity index (TII) between India and USA is high (>1) but can be improved for UK (<1, value 0.63).In the ongoing bilateral negotiations between India and UK, measures to improve TII between the countries must be discussed so that UK assumes greater importance in India's export trade.
- Export Concentration is lower for Indian exports to both USA and UK, more so for the latter. India is thus not subject to global trade risks but is yet to reap benefits from higher concentration of exports of those goods where it has a comparative cost advantage.
- For ITC HS Chapter 16 ("Meat, fish and seafood food preparations nes"), Indian exports are competitive to USA but both product and market specific interventions are required to make this merchandise category export competitive to UK. Hopefully, current trade negotiations can benifit from this commercial intelligence information and practical experience of the industry/policy professionals in UK embassy to find out ways for better market penetration of these items in the UK.

Data dissemination portal



Data dissemination portal is to facilitate online data dissemination with a number of user-friendly features. These include:

1) Free of cost: For Central and State Government Ministries and Departments, RBI, EXIM Banks, Indian Embassies, Foreign embassies, International organizations such as, UN, FAO, etc.

2) Payment basis: All other users

- Creation of user ID and password by the user after providing necessary details like name, organization, address, e-mail ID, telephone numbers, type of data required etc.
- Online payment with the help on internet banking facility

3) Generation of reports in MS Excel, Text and PDF format depending on the user's preference

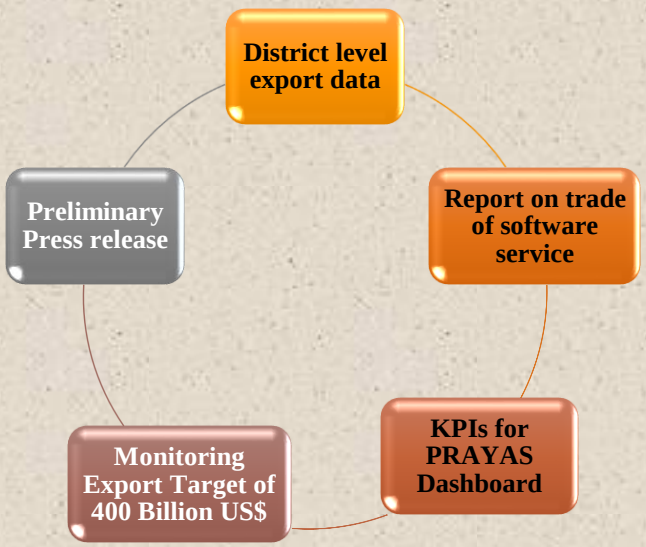
4) Provision for storing of user defined queries in the server for repeated use.

5) Time series data for the last 5 years/previous 12 months

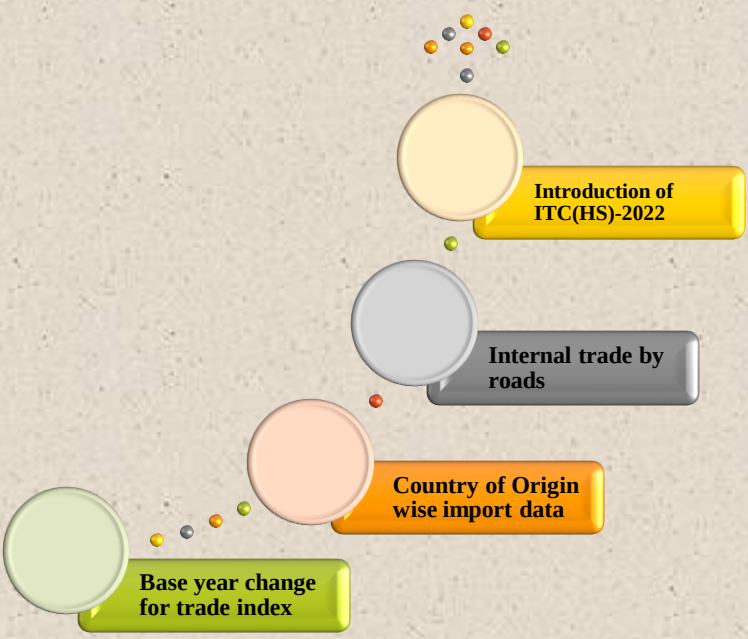
EXIM Analytics Dashboards

EXIM ANALYTICS Dashboard launched in May 2016, helps to monitor and visualize the trade statistics for commodity by country by port

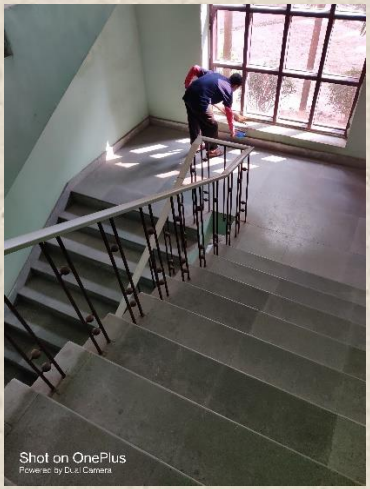
New Initiatives in 2021-22



Way forward in 2022-23



Swachha DGCIS



Celebration of the 8th anniversary of notification of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 on 09.12.2021 at DGCI&S

Website: dgciskol.gov.in

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February 2022