1

EXPORT COMMODITY DATABASE

User Manual

ECDB USER MANUAL

User Manual

© CDAC Mumbai (Formerly NCST)
Gulmohar Cross Road 9 • Mumbai 400 049
Phone +91.22.26201606 • Fax +91.22.26232195

Table of Contents

ECDB Objectives 4
ECDB Analyzed Data Display objectives 5
Target Audience 6
Type of ECDB ADD editions available 7
ECDB ADD Intranet edition 7
Hardware requirements 8
Software Requirement 8
ECDB ADD Standalone edition 9
Hardware Requirements 9
Software requirements 9
ECDB ADD Intranet Edition 11
Getting started 11
Authentication 11
Login Screen 11
Logout 13
Change password 13
Officer's workspace 15
Initial Screen 15
Screen 1: Filtering Criteria 16
Screen 2: Cluster Summary 17
Screen 3a: Single cluster output ('View' button) 17
Screen 3b: View all ('View All Records' button) 19
Administrator's workspace 20
Initial Screen 20
Managing user accounts (Users Updation) 21
Assign user to group ('Roles Assignment') 22

© CDAC Mumbai for DGOV, Customs

View user history (‘User Updations’) 23
ECDB Standalone Application 26
ECDB Splash screen 26
ECDB Analyzed Data Display wizard 26
Screen 1: Filtering Criteria 27
Screen 2: Cluster Summary 28
Screen 3: View Records 30
Appendix A – Terminology 31

ECDB Objectives

Export Commodity Database (ECDB) is a comprehensive database on Export Valuation. Objective of ECDB is to help check over-valuation of export goods and, hence, abuse of export incentive schemes based on export value. This is achieved by compiling export data on daily basis from major custom stations over ICENET into a single data source. Data is then analyzed based on various criteria and outliers are marked. The statistical approach for identification of outliers have been planned and prepared by DGOV and CDAC Mumbai in collaboration with each other.

Analyzed data along with un-analyzed data is then sent to custom stations. Specialized software has been prepared for querying the combined data. This module deployed at Custom Stations is named as ECDB Analyzed Data Display (ECDB-ADD).

© CDAC Mumbai for DGOV, Customs

ECDB Analyzed Data Display objectives

ECDB Analyzed Data Display (ECDB-ADD) module of ECDB Project aims to provide with a uniform interface for querying of analyzed as well as unanalyzed data at custom station level. It is understood that this data will be useful for concerned officers in making decisions about evaluation of export commodity happening at their stations. Please understand that the system is to assist you in making decision instead of making decisions for you. A record marked as outlier simply provides you with an indication of suspicion. It definitely doesn't mark anyone as culprit.

Only sensitive data is analyzed on the basis of parameters such as Drawback, DEPB, DFRC, Country of Destination and IT-CHS code. Among drawback commodities, value capped commodities are not included under sensitive commodities. End users are requested not to look for valuation of value capped commodities in the ECDB ADD system.

Target Audience

End users of ECDB ADD system will be officers of Appraisal Officers or above grade. We entitle them to be primary end user of the systems. Besides them, secondary end users of the system will be system administrator or any other officer who so ever will be in-charge of creating logins for the primary end users.

© CDAC Mumbai for DGOV, Customs

Type of ECDB ADD editions available

ECDB ADD is available in two editions for custom house viz., ECDB ADD Intranet edition and ECDB ADD Standalone edition. Refer to the hardware and software requirement before selecting the edition for your station.

ECDB ADD Intranet edition

Intranet edition makes use of Client Server setup where in an Intranet Server is configured to support requests made by multiple Client machines connected on a network. Since the setup of Intranet Server is dealt with in Installation Manual of ECDB ADD, we will concentrate only for Hardware and Software requirement at the client machine level.

Intranet edition also provides with an interface for creating logins for end user of the system. We recommend that every end user of the system should carry separate login and password for their own use. Under no circumstances should the login and password be shared among more than one user.

Intranet edition allows for monitoring of the user request log there by understanding usage of ECDB ADD system across the officers at the custom house.

Hardware requirements

Type / Part	Minimum Requirement	Recommended configuration
Processor	PII 233 MHz	PIV 2.4 GHz and above
RAM	128 MB	256 MB and above
Hard disk	10 GB	40 GB and above
Ethernet card	10 Mbps	100 Mbps and above

Software Requirement

Windows 2000 professional or above

Internet Explorer (6.0 or above) / Mozilla Firefox (1.0.0 or above)

© CDAC Mumbai for DGOV, Customs

ECDB ADD Standalone edition

ECDB Standalone edition should be used only if a LAN environment and Intranet server is not available at the custom house. Standalone edition tries to make all the features and benefit of the ECDB ADD Intranet edition available except for the monitoring facility for the system administrator. Hardware requirement and Software requirement for the custom house seeking to use ECDB ADD Standalone edition is considerably higher than those of the ECDB ADD Intranet edition

Standalone edition is intended be used on a single user basis. It, therefore, doesn't carry any provision of creation of login, password for different users. User log are still maintained which can be requested by DGOV officials for their perusal.

Hardware Requirements

Type / Part	**Minimum Requirement**	**Recommended configuration**
Processor	PIII 1.0 GHz	PIV 2.8 GHz and above
RAM	1 GB	2 GB and above
Hard disk	20 GB	40 GB and above
Ethernet card	Not required	Not required

Software requirements

Windows 2000 professional or above

Microsoft Access 2000 or above

© CDAC Mumbai for DGOV, Customs

ECDB ADD Intranet Edition

Intranet edition makes use of the client server setup where in data is kept centralized on the server and queries made by client using web browsers are responded back with results from the Intranet Server. Your system administrator will provide you with the intranet server's address. For the purpose of this manual we will use http://intranetserver/intranet as the example name.

Getting started

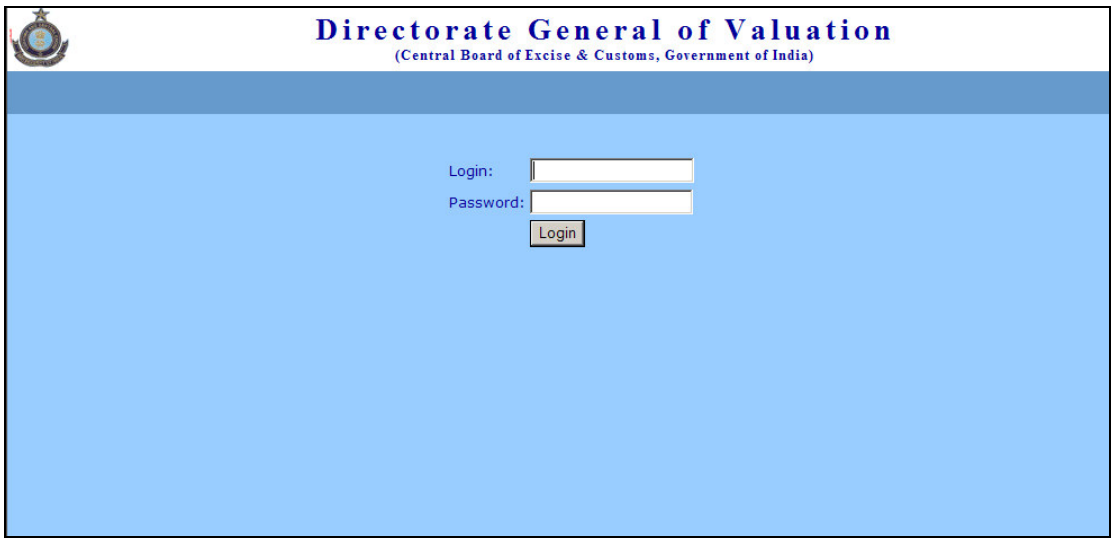
Intranet edition identifies two categories of users viz., Administrator and Officer. Every end user of the system will fall in at least either of this two categories. Administrator carries privilege and is responsible for creating and managing accounts of Officers.

Authentication

ECDB ADD Intranet Edition is to be used by only authorized users. You will be allotted login and password that will assist you login into the system.

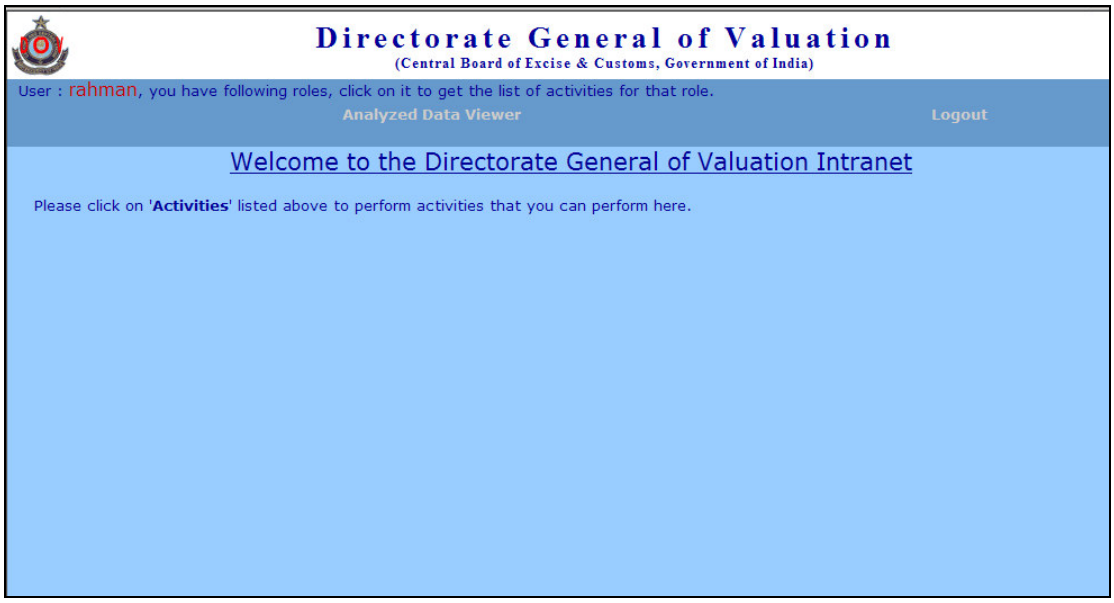
Login Screen

On typing the address in browser you will be presented with a login screen as shown in Figure 1.



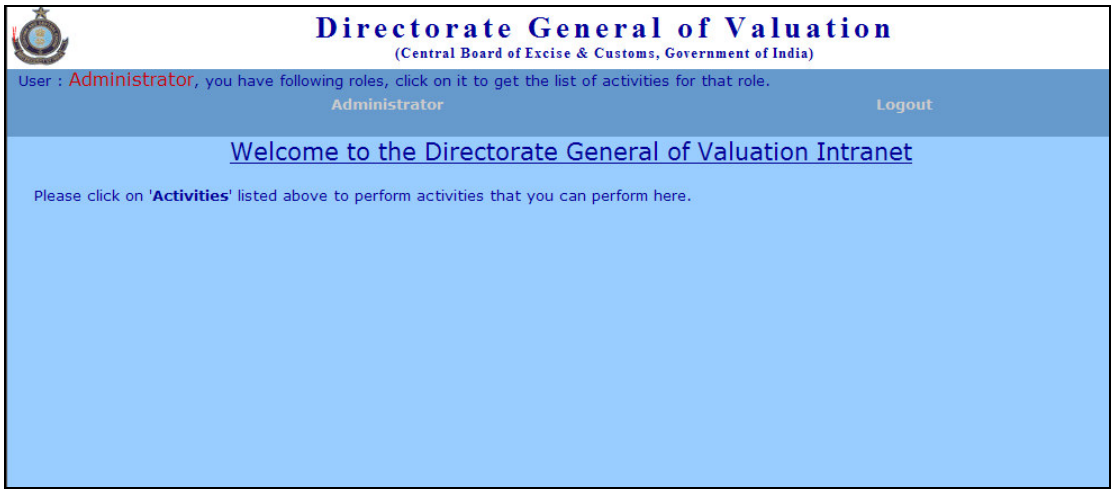
Type in the login name and password. Depending upon the category user belongs to, one will be greeted with any one of welcome screen as shown below.

Officer's welcome screen:



Administrator's welcome screen:

© CDAC Mumbai for DGOV, Customs



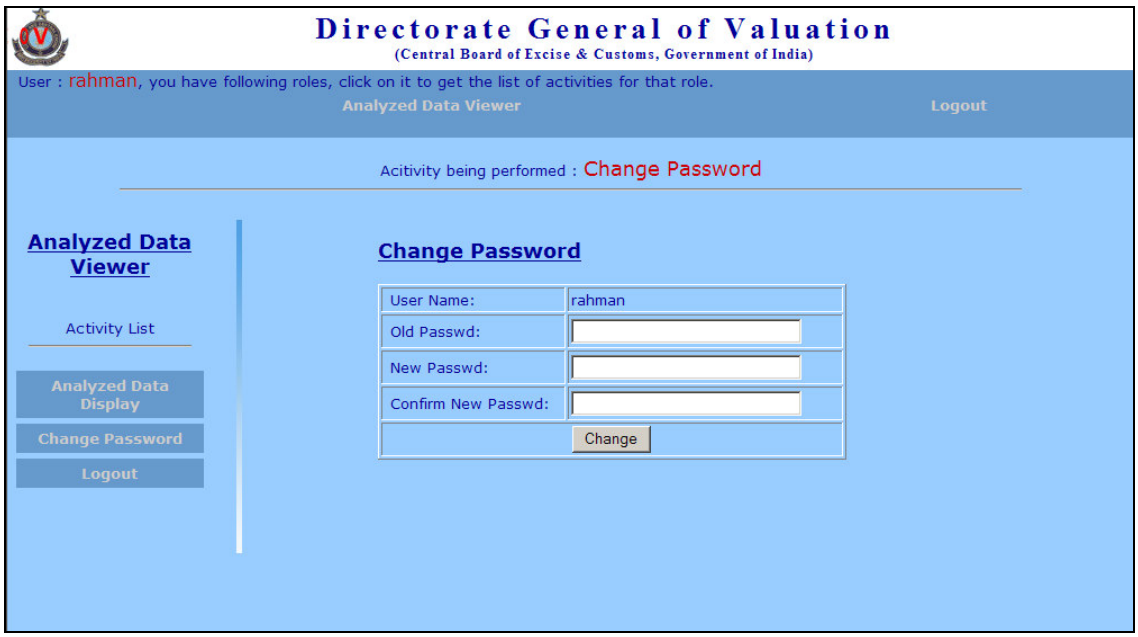
Logout

Clicking on the Logout will take you back to login screen

Change password

Both type of users can change their own password. Clicking on the change password link on the left menu will present you with the 'Change Password' screen. To change password, one needs to enter the old password (labeled: Old passwd), new password (labeled: New Passwd) and confirm new password (labeled: Confirm New Passwd). It is important to enter old password again, so that someone else cannot change other person's password in his or her absence provided the person forgot to logout from the system. Enforcing entering of old password ensures protection from any such mischievous attempts.

Change password screen:

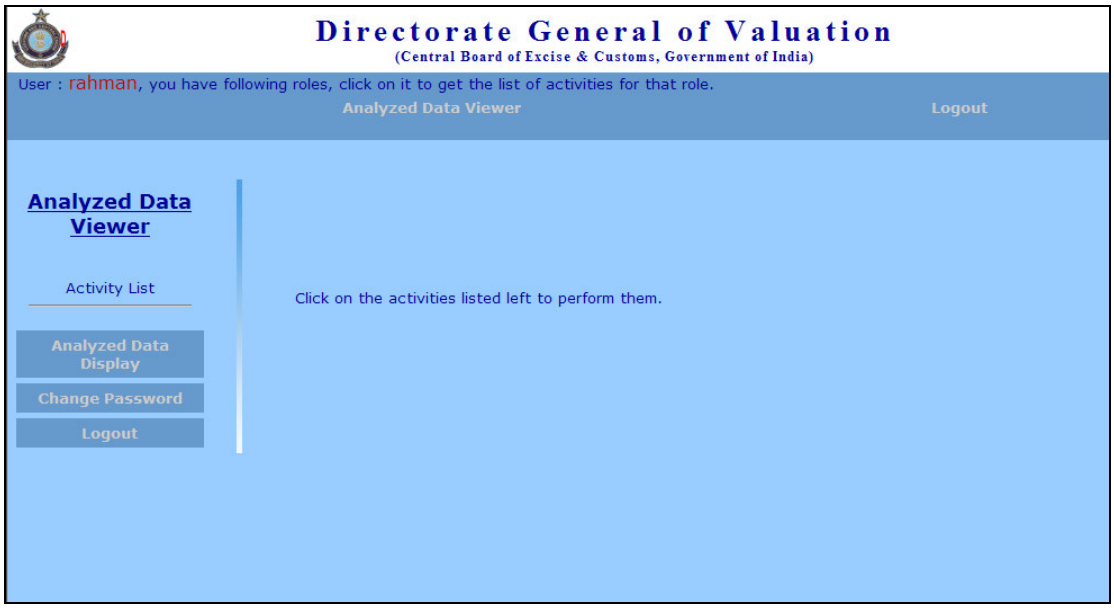


© CDAC Mumbai for DGOV, Customs

Officer's workspace

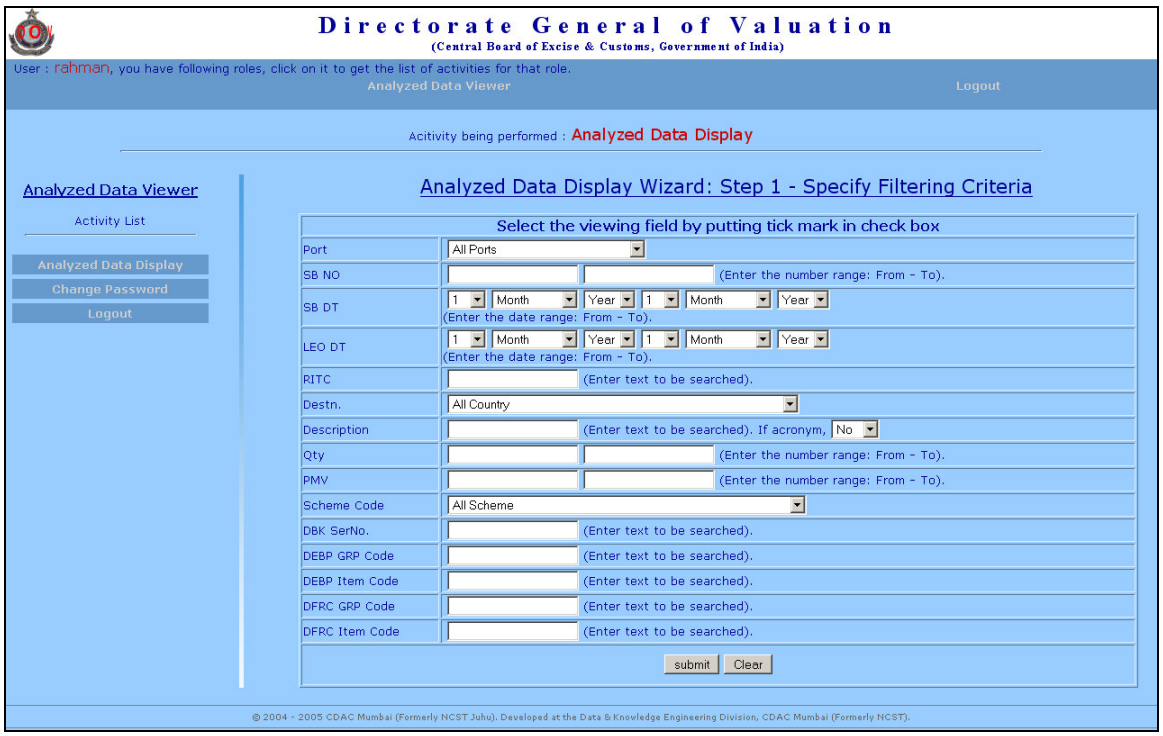
Initial Screen

On clicking the top menu 'Analyzed Data Viewer', Officer will be presented with following screen.



Screen 1: Filtering Criteria

Clicking on the Analyzed data display from the left menu starts the display wizard. The first screen of this wizard is named as 'Specify Filtering Criteria'. End user will be entering the relevant information of the commodity based on which he would like to see the analyzed data. For better results, one should enter as much details as possible in the filtering screen.

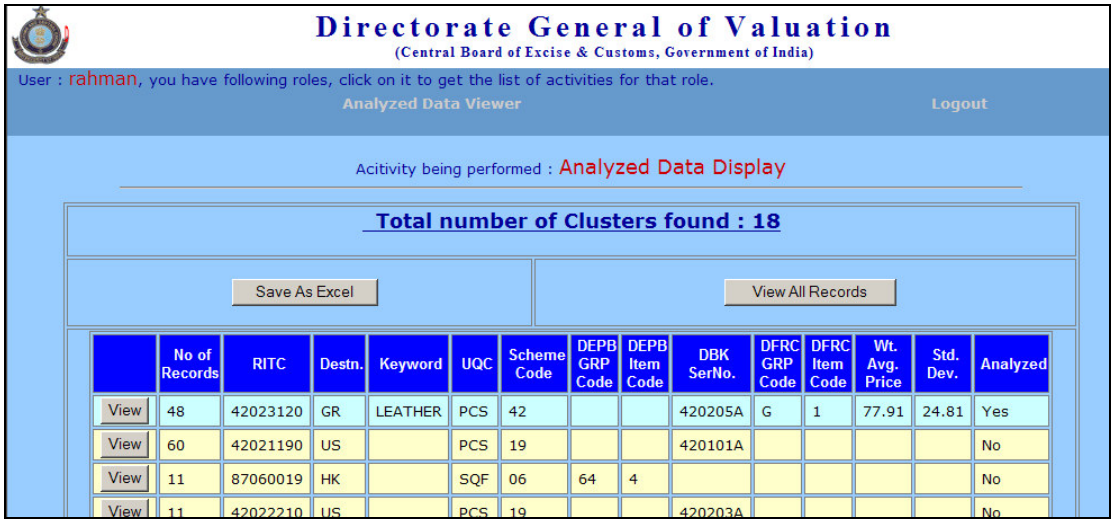


After entering the necessary details, press the submit button provided at the bottom of the screen. One will be provided with Screen 2 of the Wizard.

© CDAC Mumbai for DGOV, Customs

Screen 2: Cluster Summary

Screen 2 provides one with the cluster summary. Cluster summary gives hint about the grouping of analyzed data. One may select on particular cluster or if none of the clusters match his or her requirement, then he or she may even opt to see all the records. Among the cluster output, records marked with blue background are the analyzed data where as one with yellow background are non analyzed data. To see the output of single cluster you may press view button next to each cluster record in the Cluster summary screen.



	No of Records	RITC	Destn.	Keyword	UQC	Scheme Code	DEPB GRP Code	DEPB Item Code	DBK SerNo.	DFRC GRP Code	DFRC Item Code	Wt. Avg. Price	Std. Dev.	Analyzed
View	48	42023120	GR	LEATHER	PCS	42			420205A	G	1	77.91	24.81	Yes
View	60	42021190	US		PCS	19			420101A					No
View	11	87060019	HK		SQF	06	64	4						No
View	11	42022210	US		PCS	19			420203A					No

Screen 3a: Single cluster output ('View' button)

Outlier records are shown in red letters hinting at possible over-valuation of that specific commodity. One may save the output in a excel file by clicking on the 'Save As Excel' button on the top.

Save As Excel

Number of records found : 48

Port	SB NO	SB DT	RITC	Description	Qty	UQC	UNITPRICE	Wt. Avg. Price	Std. Dev.	Max Val	OutLier	% Dev.	Keyword	Destn.	Tot. FOB	LEO DT
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	150	PCS	140.72	77.91	24.81	102.72	Y	2.53	LEATHER	GR	21107.42	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	100	PCS	138.52	77.91	24.81	102.72	Y	2.44	LEATHER	GR	13851.73	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	200	PCS	123.13	77.91	24.81	102.72	Y	1.82	LEATHER	GR	24625.32	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER PURSE	50	PCS	116.53	77.91	24.81	102.72	Y	1.56	LEATHER	GR	5826.5	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	200	PCS	114.33	77.91	24.81	102.72	Y	1.47	LEATHER	GR	22866.37	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	50	PCS	109.93	77.91	24.81	102.72	Y	1.29	LEATHER	GR	5496.74	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	250	PCS	105.54	77.91	24.81	102.72	Y	1.11	LEATHER	GR	26384.27	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	200	PCS	101.14	77.91	24.81	102.72	N	0.94	LEATHER	GR	20227.94	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	250	PCS	98.94	77.91	24.81	102.72	N	0.85	LEATHER	GR	24735.26	7/7/2005
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	50	PCS	98.94	77.91	24.81	102.72	N	0.85	LEATHER	GR	4947.03	7/7/2005

© CDAC Mumbai for DGOV, Customs

Screen 3b: View all ('View All Records' button)

View all record shows records matching the filtering criteria from all the clusters. Analyzed records are shown in blue background and non-analyzed records are shown with yellow background. Outlier records are shown in red letters hinting at possible over-valuation of that specific commodity. One may save the output in a excel file by clicking on the 'Save As Excel' button on the top.

Save As Excel

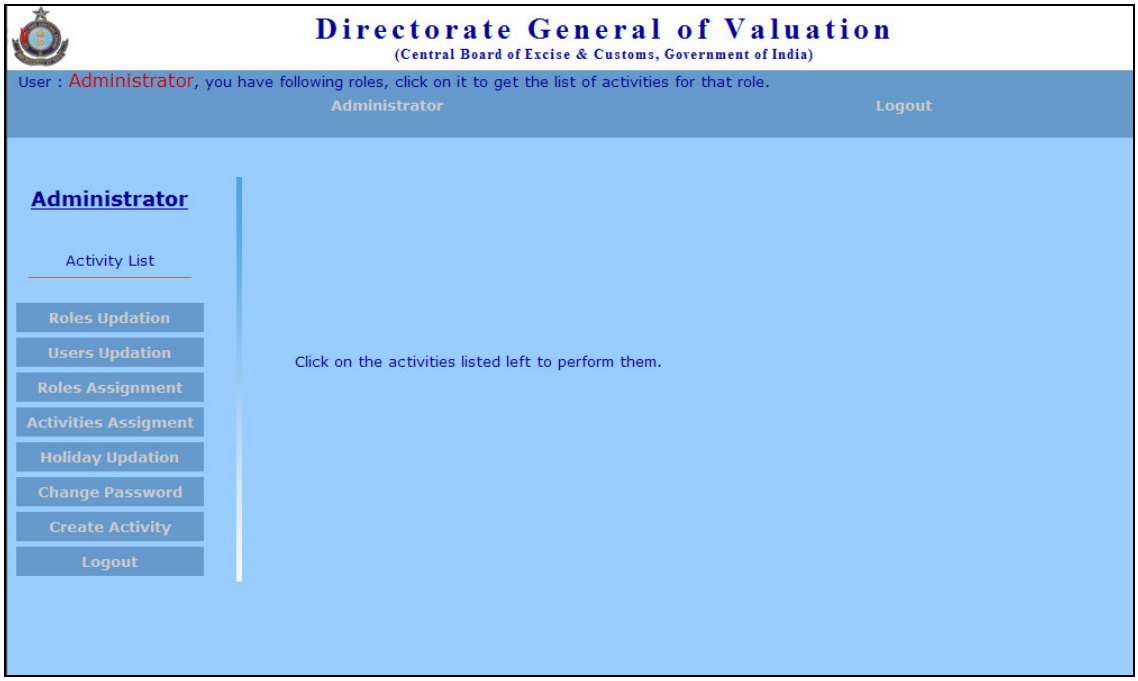
Number of records found : 382

Port	SB NO	SB DT	RITC	Description	Qty	UQC	UNITPRICE	Wt. Avg. Price	Std. Dev.	Max Val	OutLier	% Dev.	Keyw
INDEL4	5696474	7/1/2005	10011090	LEATHER GENTS SHOES	29	PRS	884.78						
INDEL4	5697426	7/1/2005	41021010	FINISHED LEATHER SHEEP NAPPA GARMENTS LEATHERS	2000	SQF	72.86						
INMAA1	2099596	7/1/2005	41041900	BUFFALO SOLE FINISHED LEATHER	33896	SQF	36.22						
INMAA1	2099648	7/1/2005	41041900	COW FINISHED LINING LEATHER	16882	SQF	46.22						
INMAA1	2099667	7/1/2005	41041900	COW FINISHED LINING LEATHER	9301	SQF	45.62						
INMAA1	2099648	7/1/2005	41041900	COW FINISHED LINING LEATHER	13168	SQF	48.38						
INMAA1	2099667	7/1/2005	41041900	COW FINISHED LINING LEATHER	8307	SQF	49.97						
INDEL4	5697585	7/1/2005	42023120	LEATHER GENT'S WALLETS	100	PCS	105.75						
INDEL4	5696931	7/1/2005	42023120	LEATHER GOOD LEATHER WALLETS ASSTT.	8640	PCS	105.59						
INCCU4	9315557	7/6/2005	42023120	LEATHER KEY CASE	100	PCS	21.99	77.91	24.81	102.72	N	-2.25	LEAT
INCCU4	9314740	7/1/2005	42023120	LEATHER MANICURE CASE	100	PCS	186.98						
INDEL4	5697585	7/1/2005	42023120	LEATHER MEN'S WALLETS	100	PCS	105.75						
INDEL4	5697585	7/1/2005	42023120	LEATHER MEN'S WALLETS	200	PCS	74.03						
INDEL4	5697585	7/1/2005	42023120	LEATHER POUCH BAGS	100	PCS	56.4						
INCCU4	9315557	7/6/2005	42023120	LEATHER PURSE	50	PCS	116.53	77.91	24.81	102.72	Y	1.56	LEAT
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	100	PCS	87.95	77.91	24.81	102.72	N	0.4	LEAT
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	100	PCS	138.52	77.91	24.81	102.72	Y	2.44	LEAT
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	50	PCS	94.54	77.91	24.81	102.72	N	0.67	LEAT
INCCU4	9315557	7/6/2005	42023120	LEATHER WALLET	150	PCS	74.76	77.91	24.81	102.72	N	-0.13	LEAT

Administrator's workspace

Initial Screen

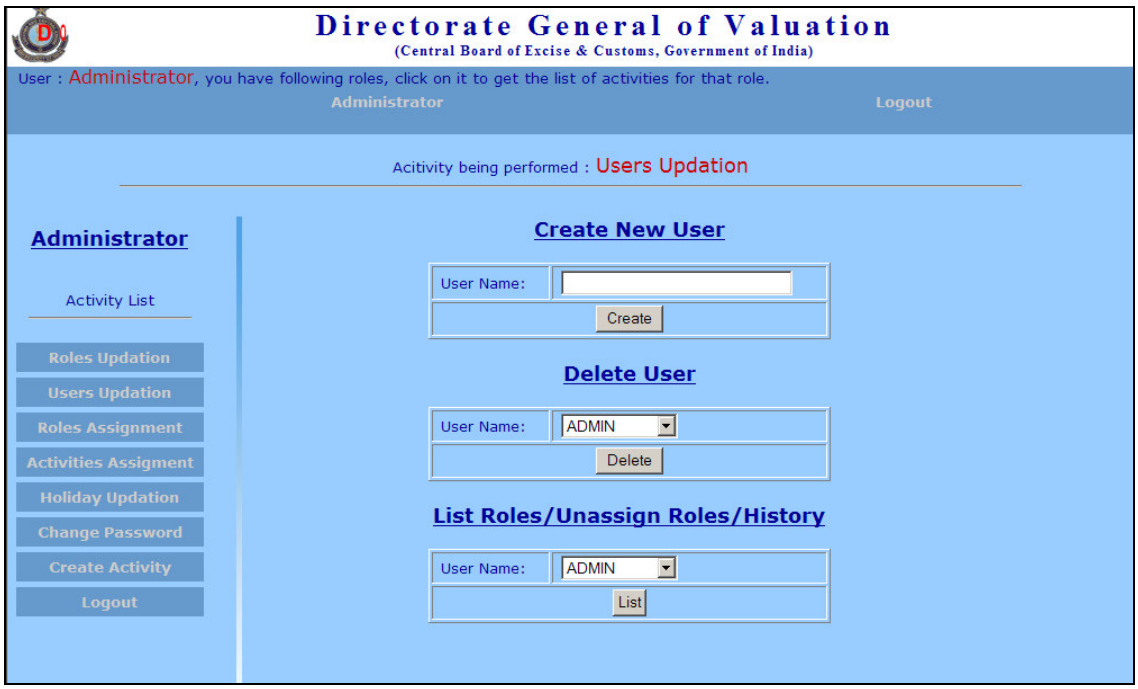
On clicking the top menu 'Administrator', one will be shown the following initial screen.



© CDAC Mumbai for DGOV, Customs

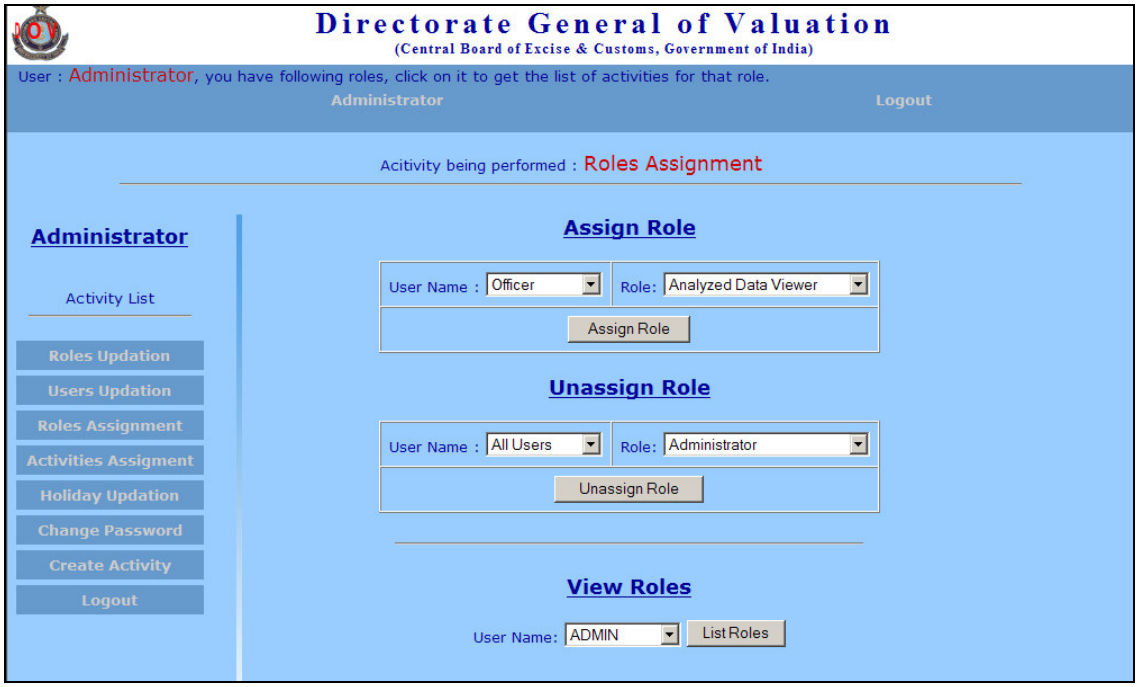
Managing user accounts (Users Updation)

Click on 'Users Updation' in the left menu to create accounts for officers. This screen allows for creation of new user account, deletion of existing user account. It also allows one to see the roles (group) a user belongs to.



Assign user to group ('Roles Assignment')

We will use Role(s) and Group(s) in the same sense. Click on 'Roles Assignment' from the left menu to open up the following screen. Select the user account and the role from the drop down to assign the specific role to the user. Every officer account should be assigned 'Analyzed Data Viewer' role. The same screen allows for removal of any account from a role and for viewing the roles a user account belongs to.

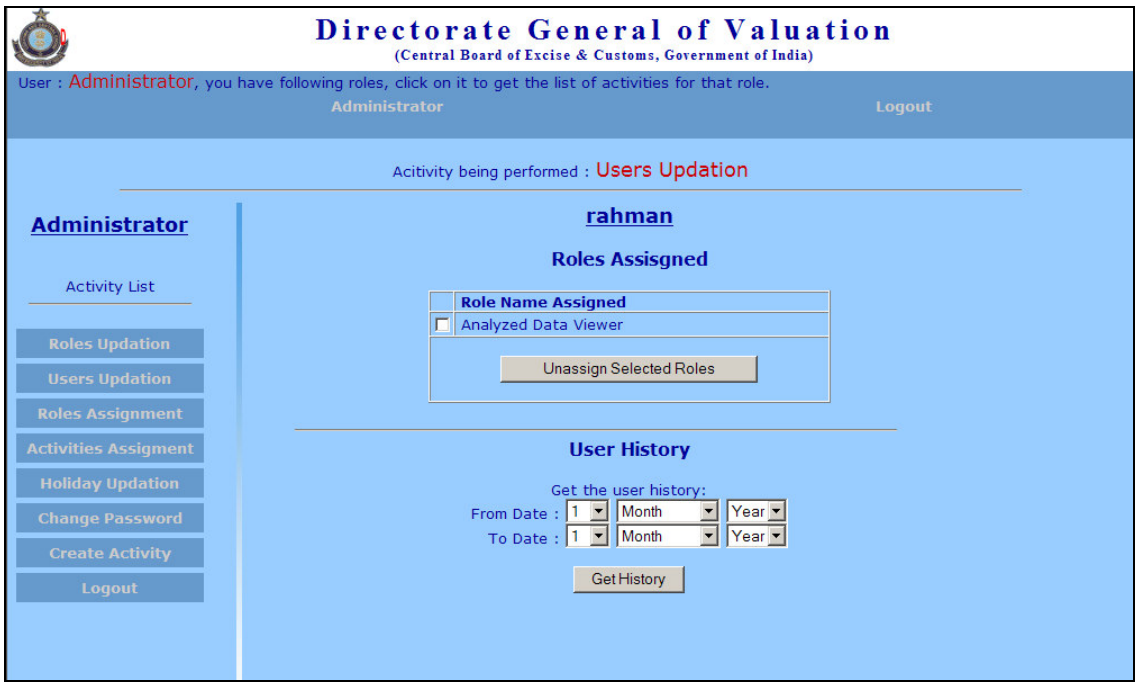


© CDAC Mumbai for DGOV, Customs

View user history ('User Updations')

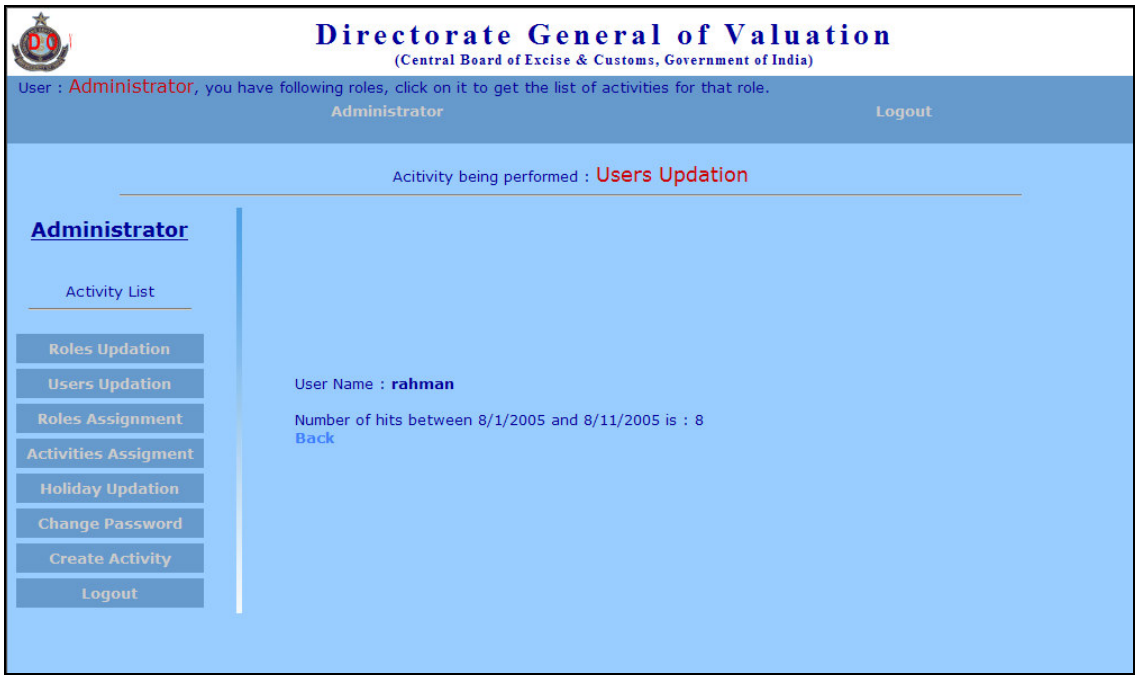
Administrator is provided with the facility of viewing user history. User history provides with information of how often the system was used the end users of the system. 'User Updation' screen provides for listing of user history. Select the user account of whose usage history is to be determined. Click the list button in the bottom.

Clicking on the 'List' button will open up the following screen. Administrator will need to enter the time period between which the user has used the ECDB system. Click the 'Get History' button to get the count of times the system was used by the user.



Clicking on 'Get History' button to get the total number of hits performed by the specific user on the ECDB systems. Hits are logged into the system each time the user uses the 'Analyzed Data Display' subsystem of the ECDB application. Hits are not intended to monitor the Administrators work profile. It will only help monitor users work profile.

© CDAC Mumbai for DGOV, Customs

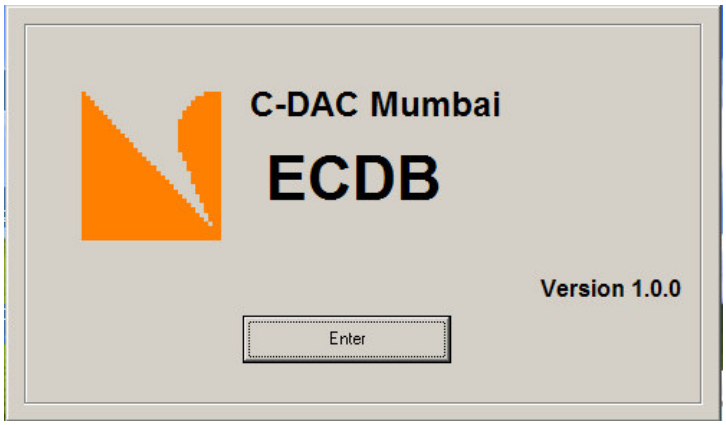

Directorate General of Valuation
(Central Board of Excise & Customs, Government of India)
User : Administrator, you have following roles, click on it to get the list of activities for that role.
Administrator
Logout
Acitivity being performed : Users Updation
Administrator
Activity List
Roles Updation
Users Updation
Roles Assignment
Activities Assigment
Holiday Updation
Change Password
Create Activity
Logout
User Name : rahman
Number of hits between 8/1/2005 and 8/11/2005 is : 8
Back

ECDB Standalone Application

One can launch ECDB Standalone application from start menu. The application is grouped under the menu called as ECDB_1.0.0. When the application is executed you will be greeted with a splash screen as shown in the figure below.

ECDB Splash screen

Press the "Enter" button to reach the ECDB analyzed data display screen.



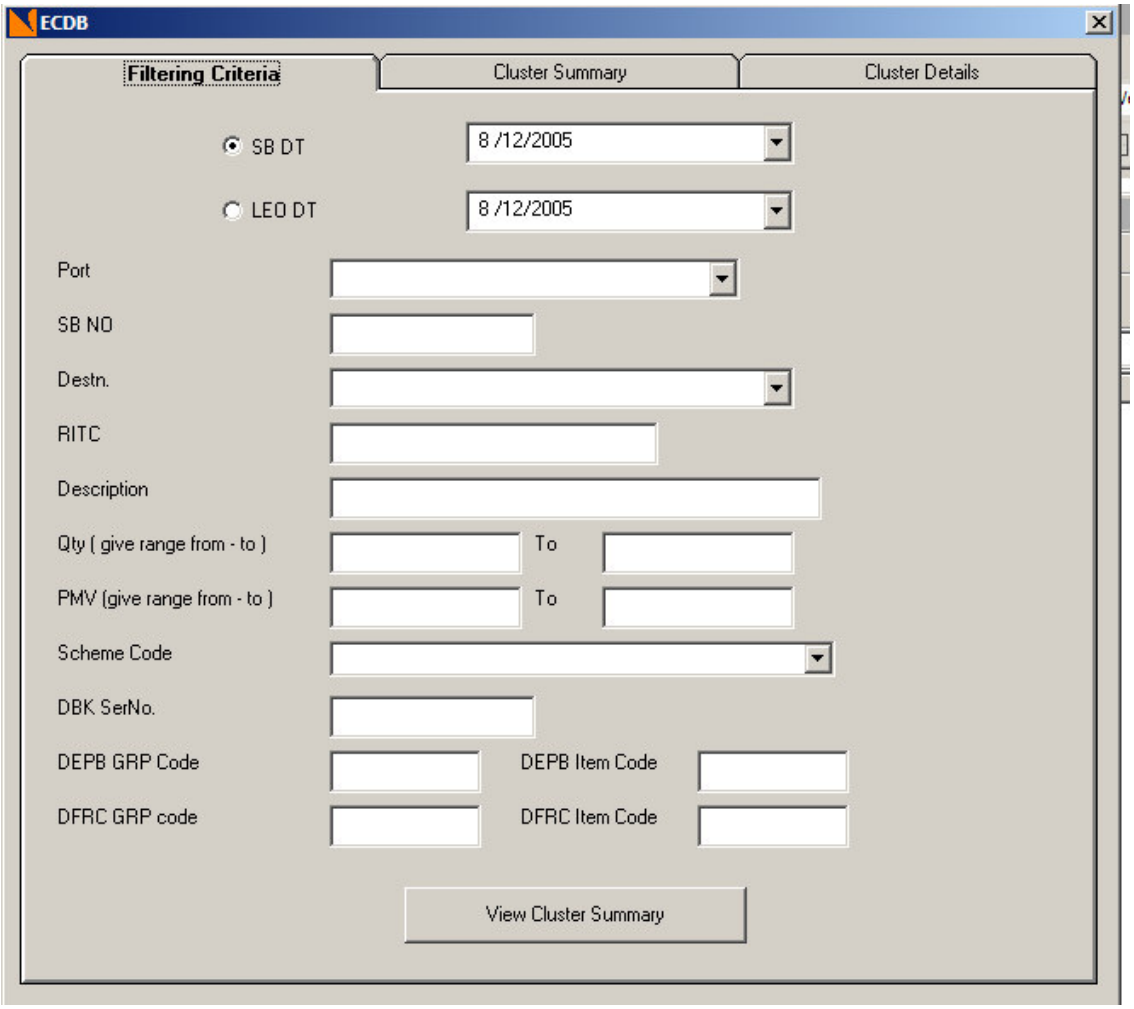
ECDB Analyzed Data Display wizard

Analyzed data display wizard consists of three screens. The first screen allows one to enter the filtering criteria. The second screen shows the cluster details. The third screen shows the records pertaining to a single cluster or all the records.

© CDAC Mumbai for DGOV, Customs

Screen 1: Filtering Criteria

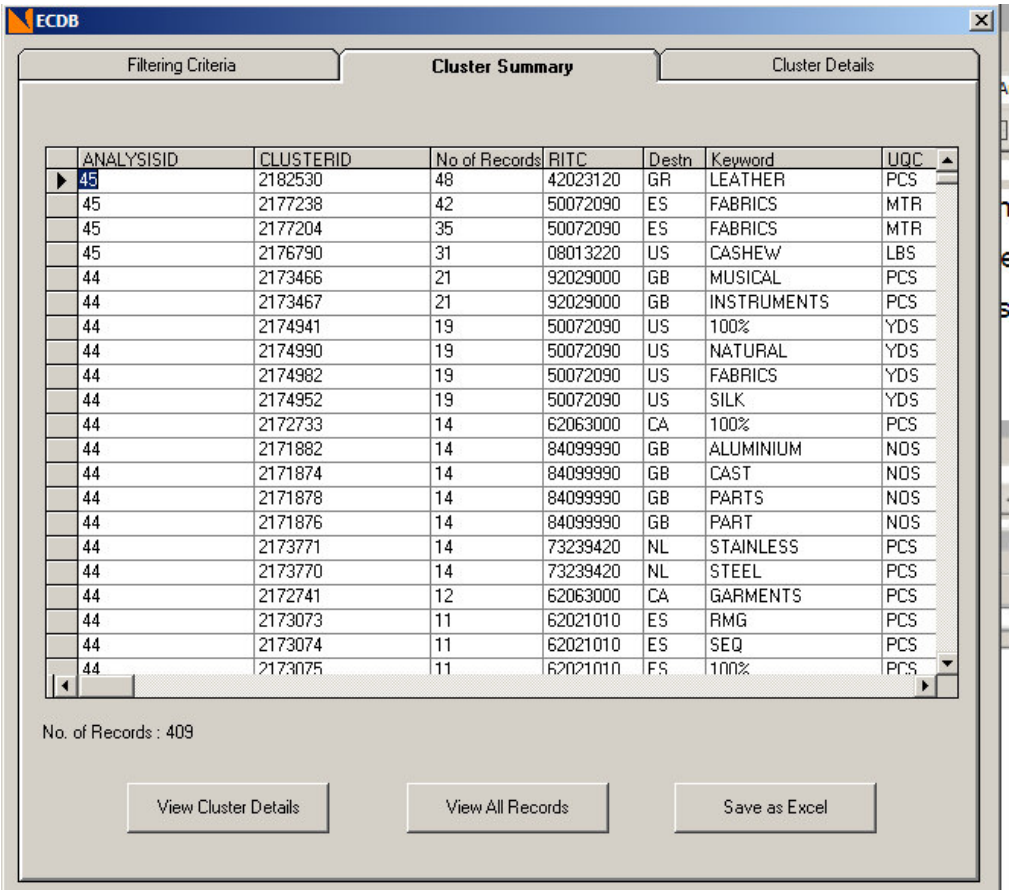
End user will be entering the relevant information of the commodity based on which he would like to see the analyzed data. For better results, one should enter as much details as possible in the filtering screen.



Screen 2: Cluster Summary

Screen 2 provides one with the cluster summary. Cluster summary gives hint about the grouping of analyzed data. One may select on particular cluster or if none of the clusters match his or her requirement, then he or she may even opt to see all the records. To see the output of single cluster you may select the relevant cluster first and then press 'View Cluster Details' button provided at the bottom of the screen 2. View all record shows records matching the filtering criteria from all the clusters. To view all the records, one may simply press 'View All Records' button provided at the bottom of the screen 2. You may save the Cluster summary in excel file. On clicking the 'Save as Excel' button provided in the bottom, the file will be saved in 'C:\' with the name as Cluster_Summary.xls.

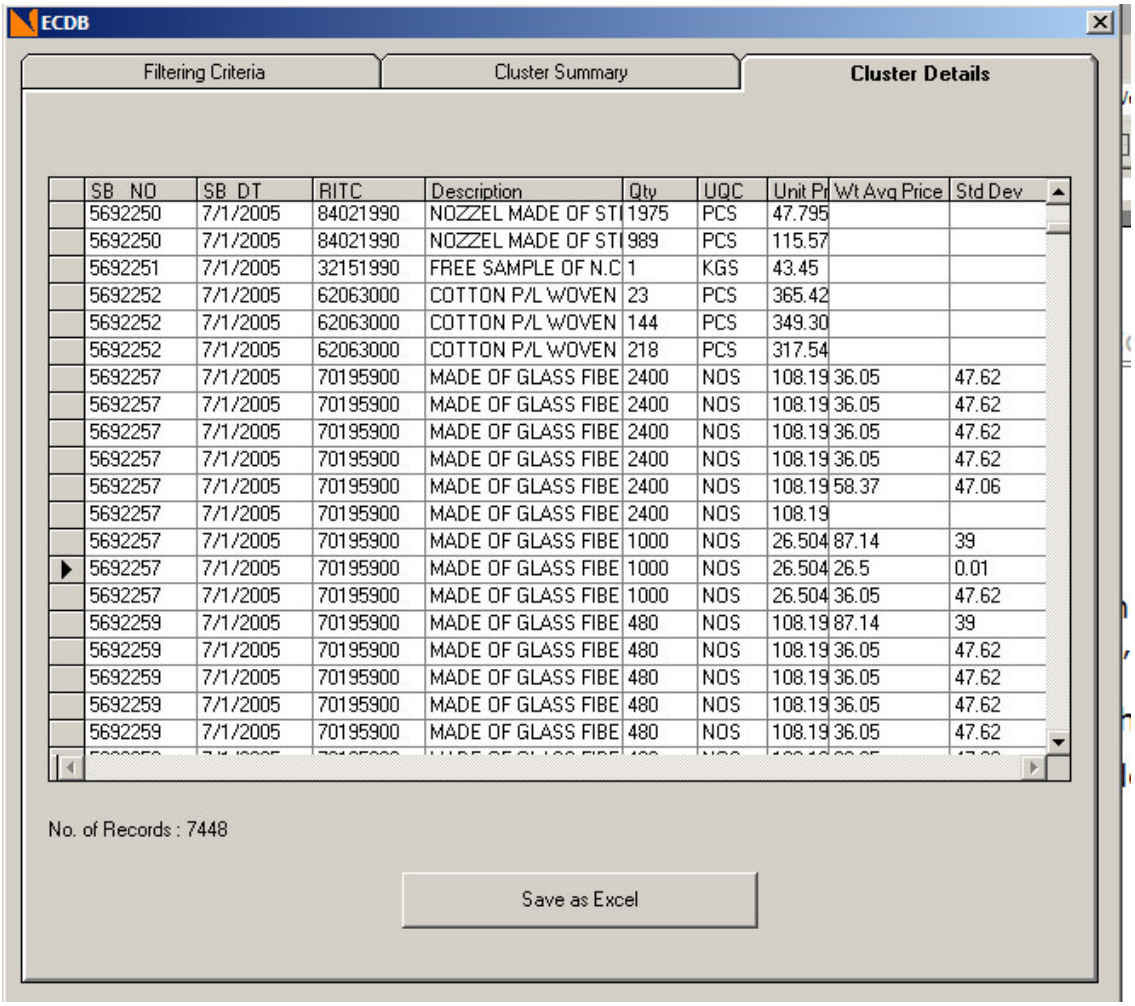
© CDAC Mumbai for DGOV, Customs



ANALYSISID	CLUSTERID	No of Records	RITC	Destn	Keyword	UQC
45	2182530	48	42023120	GR	LEATHER	PCS
45	2177238	42	50072090	ES	FABRICS	MTR
45	2177204	35	50072090	ES	FABRICS	MTR
45	2176790	31	08013220	US	CASHEW	LBS
44	2173466	21	92029000	GB	MUSICAL	PCS
44	2173467	21	92029000	GB	INSTRUMENTS	PCS
44	2174941	19	50072090	US	100%	YDS
44	2174990	19	50072090	US	NATURAL	YDS
44	2174982	19	50072090	US	FABRICS	YDS
44	2174952	19	50072090	US	SILK	YDS
44	2172733	14	62063000	CA	100%	PCS
44	2171882	14	84099990	GB	ALUMINIUM	NOS
44	2171874	14	84099990	GB	CAST	NOS
44	2171878	14	84099990	GB	PARTS	NOS
44	2171876	14	84099990	GB	PART	NOS
44	2173771	14	73239420	NL	STAINLESS	PCS
44	2173770	14	73239420	NL	STEEL	PCS
44	2172741	12	62063000	CA	GARMENTS	PCS
44	2173073	11	62021010	ES	RMG	PCS
44	2173074	11	62021010	ES	SEQ	PCS
44	2173075	11	62021010	ES	100%	PCS

Screen 3: View Records

One may distinguish between the analyzed and non-analyzed record through the presence of the values in 'Wgt Avg' field. Outliers are marked as 'Y' in the Outlier field. One may save the output in a excel file by clicking on the 'Save As Excel' button provided in the bottom of the screen 3.



SB_NO	SB_DT	RITC	Description	Qty	UQC	Unit Pr	Wt Avg Price	Std Dev
5692250	7/1/2005	84021990	NOZZEL MADE OF STI	1975	PCS	47.795		
5692250	7/1/2005	84021990	NOZZEL MADE OF STI	989	PCS	115.57		
5692251	7/1/2005	32151990	FREE SAMPLE OF N.C	1	KGS	43.45		
5692252	7/1/2005	62063000	COTTON P/L WOVEN	23	PCS	365.42		
5692252	7/1/2005	62063000	COTTON P/L WOVEN	144	PCS	349.30		
5692252	7/1/2005	62063000	COTTON P/L WOVEN	218	PCS	317.54		
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19	36.05	47.62
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19	36.05	47.62
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19	36.05	47.62
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19	36.05	47.62
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19	58.37	47.06
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	2400	NOS	108.19		
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	1000	NOS	26.504	87.14	39
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	1000	NOS	26.504	26.5	0.01
5692257	7/1/2005	70195900	MADE OF GLASS FIBE	1000	NOS	26.504	36.05	47.62
5692259	7/1/2005	70195900	MADE OF GLASS FIBE	480	NOS	108.19	87.14	39
5692259	7/1/2005	70195900	MADE OF GLASS FIBE	480	NOS	108.19	36.05	47.62
5692259	7/1/2005	70195900	MADE OF GLASS FIBE	480	NOS	108.19	36.05	47.62
5692259	7/1/2005	70195900	MADE OF GLASS FIBE	480	NOS	108.19	36.05	47.62
5692259	7/1/2005	70195900	MADE OF GLASS FIBE	480	NOS	108.19	36.05	47.62

© CDAC Mumbai for DGOV, Customs

Appendix A – Abbreviations and Definitions

ECDB – Export Commodity Database

ADD – Analyzed Data Display

EIO – ECDB Intranet Oracle version

EIA – ECDB Intranet Access Version

ESA – ECDB Standalone Access Version

Cluster – Grouping of records

Cluster Summary – Intermediate screen to present cluster output

Record – Set of information per item in a shipping bill