



CORPORATE DATA - EOD

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TECHNICAL SPECIFICATION

CORPORATE DATA - EOD

1. INTRODUCTION

NSE Data & Analytics Ltd. Limited disseminates the NSEIL Corporate Data on an End of Day (EOD) basis to various information agencies, electronic and print media, financial institutes and websites.

The Info Vendors connect through FTP to Infofeed's NIBIS Servers which host the EOD data files.

2. PRODUCT DETAILS

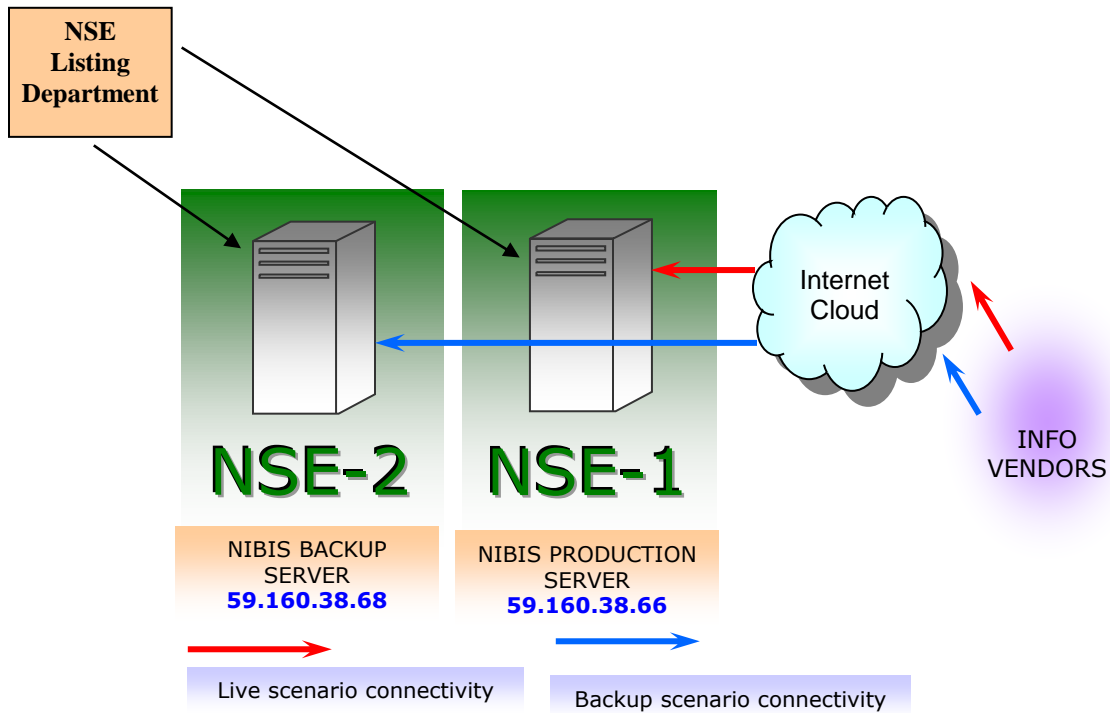
In Corporate Data EOD product, the following information will be disseminated.

1. Corporate Announcements
2. Company Results
 - a. Company Financial Result
 - b. Segment wise result
3. Distribution schedule
 - a. Main Shareholding Details
 - b. Promoters Shareholding Details
 - c. Public Shareholding details
 - d. Locked in Shareholding Details
 - e. DR Details
 - f. DR Holders Details
 - g. Other Holders Details
 - h. Main Shareholding Total Details
 - i. Promoter Shareholding Total Details
 - j. Public Shareholding Total Details
 - k. Locked In Shareholding Total Details
 - l. DR Total Details
 - m. DR Holders Total Details

3. CONNECTION DETAILS

3.1 STRUCTURAL DIAGRAM

The structural diagram of Real Time data connection has been explained below -



Both NIBIS servers are available in Active-Active configuration. Data on both the servers will be identical.

3.2 ONLINE REQUIREMENTS

The NIBIS servers are available over the Internet (public IPs are specified in the Structural Diagram). Info Vendors are required to download the files over Internet from the NIBIS servers over FTP.

4. DATA DETAILS

The data is disseminated in files in CSV format. The following data details present into CSV files.

DATA PART

Code – It is a short data type field that provides the information about the type of the type of data that each packet contains. The NSEIL corporate data contains various types of packets. Each packet can be differentiated with the code filed. Corporate Announcement & Quick Result (**1004**), Company Financial Result (**1005**), Segment Wise Result (**1006**), Main Shareholding Details (**1007**), Promoter Shareholding Details(**1008**), Public Shareholding Details (**1009**), Locked In Shareholding Details (**1010**), DR Details (**1011**), DR Holders Details (**1012**), Other Holders Details (**1013**), End of Feed (**1014**), Heart Beat Signal (**1015**), Main Shareholding Total Details (**1016**), Promoter Shareholding Total Details(**1017**), Public Shareholding Total Details (**1018**), Locked In Shareholding Total Details (**1019**), DR Total Details (**1020**) and DR Holders Total Details (**1021**)

Sequence Number – It is a 4-byte ASCII field that provides the sequence number of each data record. Corporate Announcement, Company Result and Distribution Schedule packets maintain their own sequence number. All the three sequence numbers start from 1 daily.

DATA INFO

The following information is provided in data block –

- a. Corporate Announcement & Quick Result
- b. Company Result
- c. Segment Wise Result
- d. Main Shareholding Details
- e. Promoter Shareholding Details
- f. Public Shareholding Details
- g. Locked In Shareholding Details
- h. DR Details
- i. DR Holders Details
- j. Other Holders Details
- k. End of Feed
- l. Heartbeat Signal
- m. Main Shareholding Total Details
- n. Promoter Shareholding Total Details
- o. Public Shareholding Total Details
- p. Locked In Shareholding Total Details
- q. DR Total Details
- r. DR Holders Total Details

DOWNLOAD CREDENTIALS AND PATHS

The Data Path, Backup Path and FTP credentials will be provided upon the completion of commercials.

TRIGGER FILE

The presence of the below trigger file at the location indicates that the data files are available and can be downloaded. The trigger file is generated in the same path as the data files.

FILE NAME -: ***CORP_EOD_DDMMYYYY.trg***

Client applications should wait for the above trigger file to appear before attempting to start downloading the files.

DOWNLOAD TIMING

The data will be available on both active servers between 18:30 Hrs (IST) and 21:00 Hrs (IST) on all trading days in the Data Path. After 21:00 Hrs (IST), the files will be available in the Backup Path.

COMPRESSION

The files are compressed and are in the .gz format (more information available on <http://www.gzip.org/>).

As a result of this, names of all the data files specified in the section "Details of Data Files" will appear appended with the extension ".gz" on the production server paths. Trigger file is not compressed.

FILE AVAILABILITY

The availability of one or more files for the day depends upon whether or not the type of corporate actions contained within the files are published on that day by NSE.

5. DETAILS OF DATA FILES

5.1 CORPORATE ANNOUNCEMENT & QUICK RESULT

FILE NAME -: *CA_DDMMYYYY.CSV*

Corporate Announcement & Quick Result data when published by NSE.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1004
Sequence Number	Long (4 Bytes)	CA Sequence number
DATA		
Symbol	CHAR (11 Bytes)	Security Symbol
CA Description	CHAR (65 Bytes)	Brief Description about announcements or financial result update
CA Details	CHAR (2048 Bytes)	Details about the announcement or quick financial result
CA Date	CHAR (13 Bytes)	Announcement date
CA Attachment File Name	CHAR (200 Bytes)	Attachment File Name

5.2 COMPANY RESULT

FILE NAME -: *RE_DDMMYYYY.CSV*

5.2.1 COMPANY FINANCIAL RESULT

Company Financial Result data when published by NSE,

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1005
Sequence Number	Long (4 Bytes)	CR Sequence number
DATA		
Result Sequence Number	Long (4 Bytes)	This result record sequence no is

		referred in 'Segment Wise Result' packet structure
Symbol	CHAR (11 bytes)	Security Symbol
Category	CHAR (1 byte)	B-Banking and N-Nonbanking, A-Alternative
From Date	CHAR (11 bytes)	YYYY-MM-DD. Result Period From
To Date	CHAR (11 bytes)	YYYY-MM-DD. Result Period To
Result Type	CHAR (3 bytes)	Audited (A),Unaudited(U), Project Status Report
Period Type	CHAR (3 bytes)	Quarter 1= Q1, Quarter 2= Q2, Quarter 3= Q3, Quarter 4= Q4, Half Yearly =H1, Annual(AN), Others(OT)
Cumulative Noncumulative	CHAR (1 byte)	C,N
Consolidated Non-Consolidated	CHAR (1 byte)	C,N
Net Sales Income	Double (8 bytes)	Net Sales Income
Other Income	Double (8 bytes)	Other Income
Total Income1	Double (8 bytes)	Total Income1
Increase in Stock in Trade	Double (8 bytes)	Increase in Stock in Trade
Consumption of raw materials	Double (8 bytes)	Consumption of raw materials
Employee Cost	Double (8 bytes)	
Total Expenditure1	Double (8 bytes)	excluding other exp
Other Expenditure	Double (8 bytes)	
Total Expenditure2	Double (8 bytes)	
Interest	Double (8 bytes)	
PBDT	Double (8 bytes)	Gross profit after interest
Depreciation	Double (8 bytes)	Depreciation
Profit(+)/Loss(-) from Ordinary Activities before Tax	Double (8 bytes)	Profit(+)/Loss(-) from Ordinary Activities before Tax
Tax Expenses	Double (8 bytes)	Tax Expenses
Other Provision	Double (8 bytes)	Other Provision

Misc expenditure w/o	Double (8 bytes)	Misc expenditure w/o
Net Profit(+)/Loss(-) for the Period	Double (8 bytes)	Net Profit(+)/Loss(-) for the Period
Non Rec Income	Double (8 bytes)	Non Rec Income
Non Rec Expenses	Double (8 bytes)	Non Rec Expenses
Adjusted net profit	Double (8 bytes)	Adjusted net profit
Face value of share (In Rs.)	Double (8 bytes)	Face value of share (In Rs.)
Paid-up equity share capital	Double (8 bytes)	Paid-up equity share capital
Reserves excluding revaluation reserves	Double (8 bytes)	Reserves excluding revaluation reserves
Dividend (%)	Float (4 Bytes)	Dividend (%)
Basic EPS after Extraordinary Items (in Rs.)	Double (8 bytes)	Basic EPS after Extraordinary Items (in Rs.)
Diluted EPS after Extraordinary Items (in Rs.)	Double (8 bytes)	Diluted EPS after Extraordinary Items (in Rs.)
Non-promoter shareholding (Nos.)	Double (8 bytes)	Non-promoter shareholding (Nos.)
Non-promoter shareholding (%)	Float (4 Bytes)	Non-promoter shareholding (%)
Public shareholding (Nos.)	Double (8 bytes)	Public shareholding (Nos.)
Public shareholding (%)	Float (4 Bytes)	Public shareholding (%)
Interest/discount on advances/bills	Double (8 bytes)	Interest/discount on advances/bills
Income on Investments	Double (8 bytes)	Income on Investments
balances with RBI and other interbank funds	Double (8 bytes)	balances with RBI and other inter bank funds
Others	Double (8 bytes)	Others
Interest Earned	Double (8 bytes)	Interest Earned
Total Income ²	Double (8 bytes)	Total Income ²
Interest Expended	Double (8 bytes)	Interest Expended
Payment to and provisions for employees	Double (8 bytes)	Payment to and provisions for employees
Other operating expenses	Double (8 bytes)	Other operating expenses
Operating Expenses	Double (8 bytes)	Operating Expenses
Total Expenditures	Double (8 bytes)	Total Expenditures

excluding Provisions & Contingencies		excluding Provisions & Contingencies
Operating Profit before Provisions & Contingencies	Double (8 bytes)	Operating Profit before Provisions & Contingencies
Provisions (Other than Tax) & Contingencies	Double (8 bytes)	Provisions (Other than Tax) & Contingencies
Shares held by Government of India (%)	Float (4 Bytes)	Shares held by Government of India (%)
Capital Adequacy Ratio	Double (8 bytes)	Capital Adequacy Ratio
Gross Profit	Double (8 bytes)	0 If Result Is Banking Or Non-Banking)
Operating Profit before interest and depreciation	Double (8 bytes)	0 If Result Is Banking Or Non-Banking
General Administrative Expenses	Double (8 bytes)	0 If Result Is Banking Or Non-Banking
Sell distribution	Double (8 bytes)	0 If Result Is Banking Or Non-Banking
Operating Profit after interest and depreciation	Double (8 bytes)	0 If Result Is Banking Or Non-Banking)
FRF Flag	CHAR (1 byte)	V-Revision, F-Refilling, G-Regrouping, N-None(No Change)
FRF Link	INT (4 bytes)	
Result Create Date	CHAR (21 bytes)	For Revision/Refilling/Regrouping "On Date" Format(DD-MON-YYYY HH24:MI:SS)
Purchase of Traded Goods	Double (8 bytes)	Purchase of Traded Goods
Depreciation	Double (8 bytes)	Depreciation
Exceptional Items	Double (8 bytes)	Exceptional Items
Net Profit (+)/Loss(-) from ordinary Activities after Tax	Double (8 bytes)	Net Profit (+)/Loss(-) from ordinary Activities after Tax

Extraordinary Items	Double (8 bytes)	Extraordinary Items
Minority Interest	Double (8 bytes)	Minority Interest
Share of Associates	Double (8 bytes)	Share of Associates
Other related Items (Consolidated)	Double (8 bytes)	Other related Items (Consolidated)
Consolidated Net Profit (+)/Loss (-) for the Period	Double (8 bytes)	Consolidated Net Profit (+)/Loss (-) for the Period
Basic EPS before Extraordinary Items (in Rs.)	Double (8 bytes)	Basic EPS before Extraordinary Items (in Rs.)
Diluted EPS before Extraordinary Items	Double (8 bytes)	Diluted EPS before Extraordinary Items
Gross/Net NPA	Double (8 bytes)	Gross/Net NPA
Percentage Gross/Net NPA	Float (4 Bytes)	Percentage Gross/Net NPA
Return on Assets	Double (8 bytes)	Return on Assets
Operating Profit before Interest	Double (8 bytes)	Operating Profit before Interest
Operating Profit after Interest and Exceptional Items	Double (8 bytes)	Operating Profit after Interest and Exceptional Items
Other Operating Income	Double (8 bytes)	Other Operating Income
Profits from operations before Other Income, Interest & Exceptional Items	Double (8 bytes)	Profits from operations before Other Income, Interest & Exceptional Items
Other Income 2	Double (8 bytes)	Other Income
Profit before Interest & Exceptional Items	Double (8 bytes)	Profit before Interest & Exceptional Items
Interest 2	Double (8 bytes)	Interest
Profit after Interest but before Exceptional Items	Double (8 bytes)	Profit after Interest but before Exceptional Items
Exceptional Items 2	Double (8 bytes)	Exceptional Items
Result Remarks	CHAR (2001 bytes)	Result Remarks
Segment Information Remarks	CHAR (2001 bytes)	Segment Information Remarks
Date Time stamp	CHAR (15 bytes)	DDMMYYYYHHMMSS format

5.2.2 SEGMENT WISE RESULT

Segment wise result data when it is published on NSE.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1006
Sequence Number	Long (4 Bytes)	CA Sequence number
DATA		
Company Result reference sequence Number	Long (4 Bytes)	Reference to the 'Company Result' record sequence number
Segment Type	CHAR(3 Bytes)	CE=Capital Employed RE=Results and RV=Revenue
Primary Segment Name	CHAR (51 bytes)	Primary Segment Name
Secondary Segment Name	CHAR (51 bytes)	Secondary Segment Name
Segment Value	Double (8 bytes)	Segment Value
Field to be added or subtracted	CHAR (1 byte)	A-Added, S-Subtracted
Date Time stamp	CHAR (15 bytes)	DDMMYYYYHHMMS S format

5.3 DISTRIBUTION SCHEDULE

FILE NAME :- RE_DDMMYYYY.CSV

5.3.1 MAIN SHAREHOLDING DETAILS

This file contains Main Shareholding details data which comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1007
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name

As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
Category	Short Integer (2 Bytes)	Refer Annexure - I
No Of Share Holders	Integer (8 bytes)	No of share holders
No Of Shares	Integer (8 bytes)	No of shares
No of shares in Demat form	Integer (8 bytes)	No of shares in Demat form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.2 PROMOTERS SHAREHOLDING DETAILS

Promoters Shareholding data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1008
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-

		YYYY format
Category	Short Integer (2 Bytes)	Refer Annexure - I
Share Holder Name	CHAR (151 bytes)	Share holder name
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.3 PUBLIC SHAREHOLDING DETAILS

Public Shareholding details packet structure comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1009
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
Category	Short Integer (2 Bytes)	Refer Annexure - I
Share Holder Name	CHAR (151 bytes)	Share holder name
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.4 LOCKEDIN SHAREHOLDING DETAILS

Locked in Shareholding details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1010
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		

Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
Share Holder Name	CHAR (151 bytes)	Share holder name
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.5 DR DETAILS

DR details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1011
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
DR Type	CHAR (7 bytes)	Shall be either 'ADR', 'GDR', 'SDR', 'OTHERS'.
No Of Outstanding DR	Integer (8 bytes)	No Of Outstanding DR
No Of Shares Underlying Outstanding DR	Integer (8 bytes)	No Of Shares Underlying Outstanding DR
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.6 DR HOLDERS DETAILS

DR holder's details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1012
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
DR Holder Name	CHAR (151 bytes)	Name of DR Holder.
DR Type	CHAR (7 bytes)	Shall be either 'ADR', 'GDR', 'SDR', 'OTHERS'.
No Of Underlying Shares	Integer (8 bytes)	No Of Underlying Shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.7 OTHER HOLDERS DETAILS

Others holder's details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1013
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name

As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
Category Id	Short Integer (2 Bytes)	Refer Annexure - I
Category Name	CHAR (200)	Category Name
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.8 MAIN SHAREHOLDING TOTAL DETAILS

Main Shareholding Total details packet structure comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1016
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution

		Schedule provided is recorded on this date. Date in DD- MMM-YYYY format
ST_SUB_TOTAL_A1(structure) - Shareholding of Promoter and Promoter Group - Indian		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_SUB_TOTAL_A2(structure) - Shareholding of Promoter and Promoter Group - Foreign		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to

		(wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_TOTAL_A (structure) - Total Shareholding of Promoter and Promoter Group - (A)= (A1)+(A2)		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_SUB_TOTAL_B1(structure)- Public shareholding - Institutions		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_SUB_TOTAL_B2(structure) - Public shareholding – Non Institutions		

No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_TOTAL_B (structure)- Total Public Shareholding (B)= (B1)+(B2)		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_TOTAL_A_AND_B(structure) - TOTAL (A)+(B)		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form

% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_TOTAL_C(structure) - Shares held by Custodians and against which Depository Receipts have been issued		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security
ST_TOTAL_A_AND_B_AND_C (structure) - GRAND TOTAL (A)+(B)+(C)		
No Of Share Holders	Integer (8 bytes)	No Of Share Holders
No Of Shares	Integer (8 bytes)	No Of Shares
No Of Shares In Demat Form	Integer (8 bytes)	No Of Shares In Demat Form
% Of A+B	Float (4 Bytes)	A + B stands for the total of "Shareholding of Promoter and

		Promoter Group" & "Public shareholding". This, therefore, is the percentage of "No of Shares" with respect to (wrt) (A + B
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.9 PROMOTERS SHAREHOLDING TOTAL DETAILS

Promoters Shareholding total details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1017
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.10 PUBLIC SHAREHOLDING TOTAL DETAILS

Public Shareholding total details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
-------	--------------------	-------------

Code	Short Integer (2 Bytes)	Code = 1018
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.11 LOCKEDIN SHAREHOLDING TOTAL DETAILS

Locked in Shareholding total details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1019
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
No Of Shares	Integer (8 bytes)	No of shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.12 DR TOTAL DETAILS

DR total details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1020
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided is recorded on this date. Date in DD-MMM-YYYY format
No Of Outstanding DR	Integer (8 bytes)	No Of Outstanding DR
No Of Shares Underlying Outstanding DR	Integer (8 bytes)	No Of Shares Underlying Outstanding DR
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

5.3.13 DR HOLDERS TOTAL DETAILS

DR holder's total details data comes under the Distribution Schedule.

FIELD	DATA TYPE / LENGTH	DESCRIPTION
Code	Short Integer (2 Bytes)	Code = 1021
Sequence Number	Long (4 Bytes)	DS Sequence number
DATA		
Symbol	CHAR (11 bytes)	Security symbol
Series	CHAR (3 bytes)	Series type (e.g. EQ)
Security Name	CHAR (151 bytes)	Security Name
Company Name	CHAR (151 bytes)	Company Name
As On Date	CHAR (12 bytes)	Distribution Schedule provided

		is recorded on this date. Date in DD-MMM-YYYY format
No Of Underlying Shares	Integer (8 bytes)	No Of Underlying Shares
% Of Total No Of Security	Float (4 Bytes)	% Of Total No Of Security

6. About SFTP (Secure File Transfer Protocol)

The file transfer takes place over SFTP (Secure FTP) protocol over the Internet.

The Info Vendor requires to provide the Exchange with the SSH RSA Public Key of their machine for receiving login details form the Exchange.

The following details will be provided once the request is processed by the Exchange:

- Server IP
- SSH Service Port
- User ID
- File Path

General information on SFTP has been provided in the following sections for popular OS platforms.

6.4 SFTP on Linux platform

The OpenSSH suite, which comes pre-installed in most Linux distributions, can be used for transferring files securely using SFTP.

The SSH key-pair is generally generated in the ".ssh" directory in the user's home directory.

It is highly recommended that you consult your systems administrator to generate/locate the key-pair and set up SFTP for you.

Continue reading for information on how to generate the key-pair.

6.4.2 Generation of the SSH RSA key-pair on Linux

- Generate the new key-pair with following command:

```
ssh-keygen -t rsa -C "user@host"
```

- You will receive the following prompt:

```
Generating public/private rsa key pair.  
"Enter file in which to save the key".
```

Press the Enter to continue with the defaults.

You will receive the following prompt:

```
Enter file in which to save the key  
(/host/users/user/.ssh/id_rsa):
```

Press the Enter to continue with the defaults.

- If a file already exists with the same name, then you will receive the following prompt:

```
/host/users/user/.ssh/id_rsa already exists.  
Overwrite (y/n)?
```

Type “y” and press Enter to overwrite.

- You will be prompted to enter a passphrase as follows:

```
Enter passphrase (empty for no passphrase):
```

 Press Enter to continue without a passphrase.

Your will be prompted to re-enter the passphrase:

```
Enter same passphrase again:
```

Press Enter again to continue without a passphrase.

- After you enter a passphrase, you will be presented with the “Fingerprint” (or ID) of your SSH key.

It will look something like this:

```
Your identification has been saved in
/host/users/user/.ssh/id_rsa.
Your public key has been saved in
/host/users/user/.ssh/id_rsa.pub.
The key fingerprint is:
87:c4:85:90:91:16:39:de:c2:26:49:4a:b3:38:80:97 user@host
```

After generating public key, user needs to share the Public Key file with exchange for requesting the credentials.

NOTE: In above steps the words “host” and “user” are used to represent the host name and user name of the machine. This is used for demo purpose only. The same will differ as per your server and user names.

6.4.3 SFTP Login

Login to the Exchange Server over SFTP using the following command:

```
sftp -o PORT=6010 remote_user@remote_host
```

Where remote_user is the User ID provided to you by the Exchange upon sharing your Public Key and remote_host is the Exchange Server IP.

You should get the SFTP prompt as below, upon successful login:

```
Connecting to 10.10.10.10...
"NOTICE TO USERS"

"The system is to be used for AUTHORIZED business purpose only.
All activities on this system are being monitored. Unauthorized access
to this system may be subject to legal action, and/or prosecution"

sftp> █
```

6.4.4 Fetching files over SFTP

The SFTP “get” command may be used at the SFTP prompt for fetching the files while logged into the host over SFTP.

6.4.5 Ending the SFTP session

The SFTP “bye” command may be used for terminating the session

6.4.6 SFTP commands help

Help may be obtained with SFTP commands by typing the “help” command at the SFTP prompt.

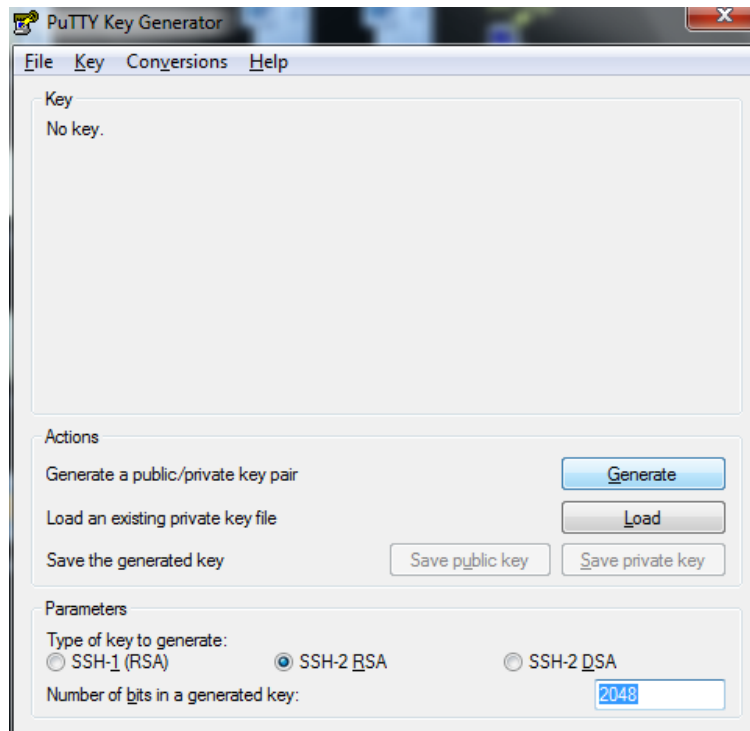
6.5 SFTP on Windows platform

6.5.2 Generation of the SSH RSA key-pair on Windows

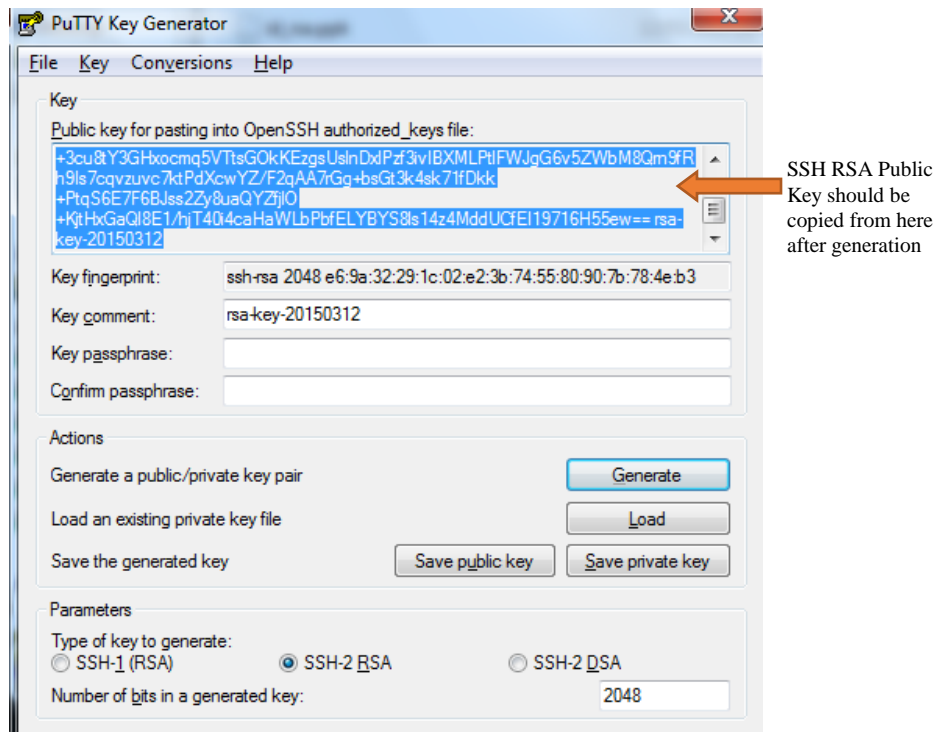
This guide explains how to generate the SSH RSA key-pair using the PuttyGen application.

Download the PuttyGen application (freely available on the Internet). Then follow these steps to generate the key-pair:

- Start the PuttyGen application.
You will be presented with a dialog which looks something like this:



- Select “SSH2RSA” with 2048 bit size or greater.
- Press the “Generate” button.
- After generating the key, you will be shown the screen below. Keep the “Key passphrase” and “Confirm passphrase” as blank.



- Create a blank file with the name "id_rsa.pub". This will be the public key file which will be populated with your Public Key and shared with the Exchange.
- Copy the public key content as presented on the screen (selected area in the below screenshot) and paste into newly created public key file (id_rsa.pub) and save the file.
- Share this Public Key File (id_rsa.pub) with the Exchange when requesting for SFTP credentials.

6.5.3 SFTP Client Software on Windows

There are multiple SFTP Client Programs (paid for and free) available for transferring files over SFTP.

One such software is WinSCP, available for free from the WinSCP website. This program is intuitive, user friendly and can be used in interactive mode (GUI) as well as from the command line (for automation/batch processing).

Information on using WinSCP can be found on the WinSCP website.

6.6 Further support

Apart from the above guide, many of the online resources can be referred on the World Wide Web for more information on how to set up and use SFTP at the Client's site on various OS platforms.

Note:

This "About SFTP" section is intended as a guide used to understand and become familiarized with this transfer protocol.

It may be noted that the Exchange does not provide SFTP software or support for configuring and using SFTP at Client site.

7. CONTACT INFO

Name	Email	Contact Number
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ANNEXURE-1**Distribution Schedule Category Detail**

CATEGORY ID	CATEGORY CODE	MASTER CLASS	MAIN CLASS	SUB CLASS
1	(a)	Shareholding Promoter and Promoter Group ²	Indian	Individuals/ Hindu Undivided Family
2	(b)	Shareholding Promoter and Promoter Group ²	Indian	Central Government/ State Government(s)
3	(c)	Shareholding Promoter and Promoter Group ²	Indian	Bodies Corporate
4	(d)	Shareholding Promoter and Promoter Group ²	Indian	Financial Institutions/ Banks
5	(e)	Shareholding Promoter and Promoter Group ²	Indian	Any Other (specify)
6	(a)	Shareholding Promoter and Promoter Group ²	Foreign	Individuals (Non- Resident Individuals/ Foreign Individuals)
7	(b)	Shareholding Promoter and Promoter Group ²	Foreign	Bodies Corporate
8	(c)	Shareholding Promoter and Promoter Group ²	Foreign	Institutions
9	(d)	Shareholding Promoter and Promoter Group ²	Foreign	Any Other (specify)
10	(a)	Public shareholding ³	Institutions	Mutual Funds/ UTI
11	(b)	Public shareholding ³	Institutions	Financial Institutions/ Banks
12	(c)	Public shareholding ³	Institutions	Central Government/ State

				Government(s)
13	(d)	Public shareholding ³	Institutions	Venture Capital Funds
14	(e)	Public shareholding ³	Institutions	Insurance Companies
15	(f)	Public shareholding ³	Institutions	Foreign Institutional Investors
16	(g)	Public shareholding ³	Institutions	Foreign Venture Capital Investors
17	(h)	Public shareholding ³	Institutions	Any Other (specify)
18	(a)	Public shareholding ³	Non-institutions	Bodies Corporate
19	(b)	Public shareholding ³	Non-institutions	Individual shareholders holding nominal share capital up to Rs. 1 lakh .
20	(c)	Public shareholding ³	Non-institutions	Individual shareholders holding nominal share capital in excess of Rs. 1 lakh.
21	(d)	Public shareholding ³	Non-institutions	Any Other (specify)
22	(C)	Shares held by Custodians and against which Depository Receipts have been issued	Shares held by Custodians and against which Depository Receipts have been issued	Shares held by Custodians and against which Depository Receipts have been issued