

**Government of Karnataka
Commercial Taxes Department**



**Guidelines to use the
Excel to XML Converter Utility
for
VAT dealers of Karnataka**

XML CONVERTER MANUAL

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1. Introduction

Commercial Taxes Department (CTD) is using the e-governance system known as VATsoft with the software support from NIC Bangalore where in the dealers information is maintained by the department and rendered to the dealer as and when required. Apart from this, the department has introduced VAT e-filing system which is an internet/web based system, where in the dealers can submit important documents of VAT on this system to CTD.

In this system, the dealers can submit the details of purchase invoices, sale invoices and CST statutory forms. They can also view various documents/records maintained by the department. The dealers have provision to enter directly the document or upload the files from their system.

From the perspective of uploading of the files, the department had requested NIC to find various ways of consolidating and submitting the invoice details. Some of the options suggested from NIC were – to key in the Invoice details individually through various options of the e-filing system or to create an .xml file as prescribed by the department and uploading the same. XML is the industry standard used to structure, store, and transport information.

While looking at these features of uploading the files, it was found that some of the dealers had already computerized their system where in the invoice details were being captured in various formats and output in various formats like word, excel or text file. Even though the information is available, the output is not as per the standard mentioned by the Department. Once again, from this data a separate .xml file has to be prepared once again, for uploading into e-filing system. Dealers, who have computerized their systems, can contact their support engineers to develop a module accordingly and can make use of it. Else there are various utilities and programs which can be downloaded from the Internet which can convert the Excel file to .XML file. Else the dealers can also use the utility developed by NIC to convert the Excel file to XML file. This software of NIC is free of cost and can be run on any of the client machine meeting some of the pre-requisites as mentioned below and it is not mandatory for the dealer to use only this software for conversion.

2. Pre-requisites to Use the Converter Utility

- Operating System - can be Windows 2000; Windows 98; Windows Server 2003; Windows XP
- Microsoft Excel Version 2002
- Latest version of msxml.msi (Microsoft Core XML Services (MSXML) 6.0) file can be downloaded from the following site mentioned below

<http://www.microsoft.com/downloads/details.aspx?familyid=993C0BCF-3BCF-4009-BE21-27E85E1857B1&displaylang=en#filelist>

The above said updations are to be done one time and need not be repeated every time the conversion is required. While using the Excel file it is important that the user set the security level of the worksheet to 'Low' since a feature of the Excel package will be enabled to work on the downloaded Excel sheets. Until this is done, while opening any of the Excel sheets, the system prompts asking that 'macros have been disabled. Do you want to enable it or not?'. If the user says 'no', then he can only enter the data in the sheets but cannot convert the same to .xml file. So, in order to generate the xml file, macros have to be enabled using the 'Tools-Security-low' option of the Excel Sheet.

3. Contents of VATeFSConvert.ZIP

On click of the download button, the system prompts with a message to either open or save a file with the name VATeFSConvert.zip. User can save the .zip file on to their system. This is zipped file which has to be unzipped using Winzip application. Once the contents are unzipped the following files shall be extracted.

VATeFSConvert.zip

CST_PAR.XLS	
OLDCSTCOM.XLS	Excel file to convert the Old CST form data to XML
ONLINE_CST_COM.XLS	Excel file to convert the Online CST form data to XML
VAT505.XLS	Excel file to convert the VAT 505 form data to XML
VAT_EXP_INV.XLS	Excel file to convert the Export Invoice data to XML
VAT_PUR_EXL_XML.XLS	Excel file to convert the Purchase Invoice data to XML
VAT_SL_EXL_XML.XLS	Excel file to convert the Sale Invoice data to XML File
CST_PAR.XSD	
CTOINVOICES_EXP.XSD	.XSD file for Export Invoices
CTOINVOICES_P.XSD	.XSD file for Purchase Invoices
CTOINVOICES_S.XSD	.XSD file for Sale Invoices
OLDCST_COM.XSD	.XSD file for Old CST Form data
ONLINE_CST_COM.XSD	.XSD file for Online CST Form data
VAT505.XSD	.XSD file for VAT 505 Form data

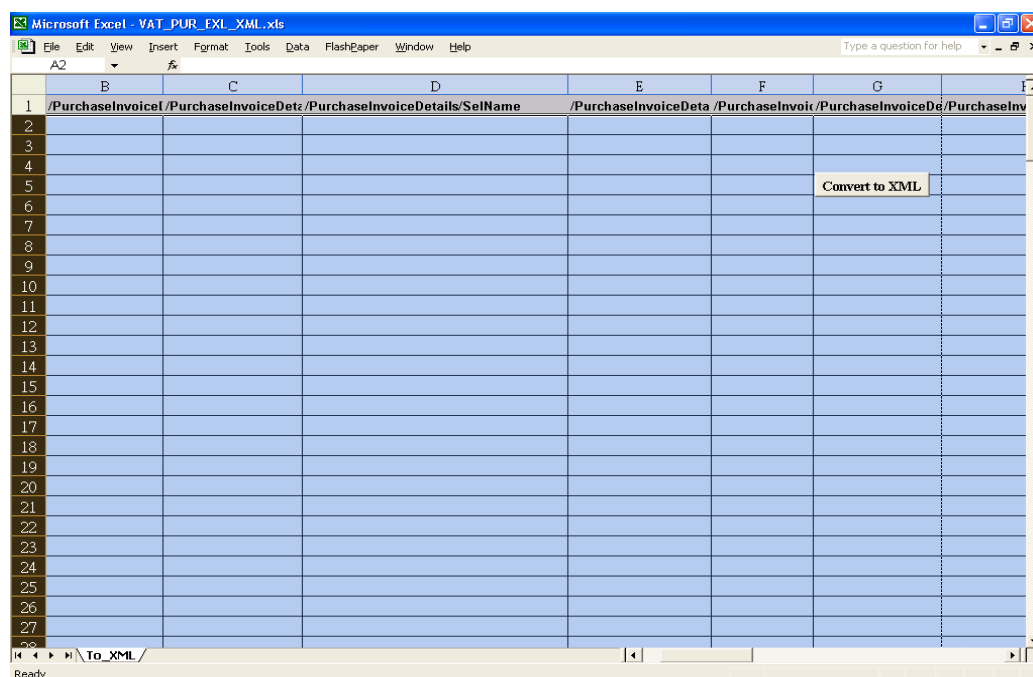
4. Process of Conversion

The downloaded Excel files can be used as and when required and also can be renamed to whatever the user wishes to.

Purchase Invoice

Given below is the description of how the user can use the excel file for a purchase invoice for a single month. These operations holds good for any number of invoices. The Invoices of a single month can be copied and renamed and the data can be updated to the month for which the user wants the XML file and the below explained operations can be performed.

Step 1: Open the VAT_PUR_EXL_XML.xls file (this file can be renamed and used for different months) and user can see the screen as below where the top row of the Excel contains the description of the Columns of the purchase invoice. As far as possible do not change the contents of this row. Users can start entering the data as summarized in the next table



VATeFSConverter	CTD	Guide Lines
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Row	Description	Entry to be done
1 st	/PurchaseDetails/TinNo	TIN number
2 nd	/PurchaseDetails/RetPerdEnd	return period of the Invoices being submitted
3 rd	/PurchaseInvoiceDetails/Sno	Serial number of the Invoice or it can be numbered serially without any repetition of the numbers in this column
4 th	/PurchaseInvoiceDetails/SelName	Seller name of the dealer from whom purchase is made
5 th	/PurchaseInvoiceDetails/SelTin	Tin Number of the dealer from whom the purchase is made.
6 th	/PurchaseInvoiceDetails/InvNo	the Invoice number of purchase invoice
7 th	/PurchaseInvoiceDetails/InvDate	Invoice date on the purchase invoice
8 th	/PurchaseInvoiceDetails/NetVal	Net Value of the purchase made
9 th	/PurchaseInvoiceDetails/TaxCh	Total Tax value for the purchase made

Step 2 : After all the entries save the details and if there are any extra rows or columns delete the same and save only the contents pertaining to your Purchase Invoices. So the number of rows in the Excel file should be equal to the number of purchase invoices details entered plus one, as the top row has the details of the columns being entered. Please do not enter a non-numeric character in a numeric field and vice versa because during conversion to XML you may get error and conversion may fail. Save the entered contents properly and screen after updation will look as below

	A	B	C	D	E	F	G
	InvoiceDetails/TinNo	PurchaseInvoiceDetails/SelName	PurchaseInvoiceDetails/InvNo	PurchaseInvoiceDetails/InvDate	PurchaseInvoiceDetails/NetVal	PurchaseInvoiceDetails/TaxCh	PurchaseInvoiceDetails/SelTin
2	29240114049	200709	1	GOPALAN ENTERPRISES, BANGALORE	29050081028	1552	2
3	29240114049	200709	2	M.J. STEELS, M.R.R. RD., BANGALO	29640137691	1553	2
4	29240114049	200709	3	SHALINI ENTERPRISES, MOTHINAGA	29440080474	1554	2
5	29240114049	200709	4	NAMADEV STEEL INDUSTRIES, BANGA	29190763249	1555	Convert to
6	29240114049	200709	5	GUPTHA BROTHERS, BANGALORE	29390071723	1556	2
7	29240114049	200709	6	J.M.C. PROJECTS INDIA LTD, BANG	29710327239	1557	2
8	29240114049	200709	7	NANDI STEEL ALLOYS, OM RD	29300065031	1558	2
9	29240114049	200709	8	SRI MURUGAN STEEL SUPPLY	29340095467	1559	2
10	29240114049	200709	9	DAMUDI STEELS, MOTI NGR, BANGALO	29680071806	1560	2
11	29240114049	200709	10	MARUTHI STEELNHWARE, BANG	29020071490	1561	2
12	29240114049	200709	11	P.V. STEEL TRADERS, MAGADI MAIN	29180048607	1562	2
13	29240114049	200709	12	JAGAN STEELS, BANGALORE	29920474224	1563	2
14	29240114049	200709	13	MARUTHI STEEL TRADERS	29890465947	1564	2
15	29240114049	200709	14	ANAND TRADING CO.	29410455735	1567	2
16	29240114049	200709	15	CALCUTTA ISPAT,	29220701977	1568	2
17	29240114049	200709	16	CALCUTTA ISPAT,	29220701977	1569	2
18	29240114049	200709	17	KRISHNA STEELS, CHINTAMANI.	29420090573	1570	2
19	29240114049	200709	18	NANDI STEEL ALLOYS, OM RD	29300065031	1571	2
20	29240114049	200709	19	BHUWALKA SONS P.LTD	29980200554	1572	2
21	29240114049	200709	20	VINAYAKA ASSOCIATES SRI, P.B	29470126290	1573	2
22	29240114049	200709	21	NISCHITH ENTERPRISES, BLOR	29320059006	1574	2
23	29240114049	200709	22	J.K. TRADERS, KOLAR	29130098056	1575	2
24	29240114049	200709	23	VASAVI STEEL INDUSTRIES	29230203634	1576	2
25	29240114049	200709	24	LAXMI IRON STEELS, BLORE	29750073077	1577	2
26	29240114049	200709	25	LAXMI IRON STEELS, BLORE	29750073077	1578	2
27	29240114049	200709	26	RAJALAXMI STEEL TRADERS, BANGA	29690085235	1579	2
28	29240114049	200709	27	SHIVA STEELS, WHITEFIELD	29100090757	1580	2

Microsoft Excel - VAT_PUR_EXL_XML.xls

Next Previous Zoom Print... Setup... Margins Page Break Preview Close Help

PurchaseInvoiceDetails/TinNo	PurchaseInvoiceDetails/RetPerdEnd	PurchaseInvoiceDetails/Sno	PurchaseInvoiceDetails/SelName
29240114049	200709	1	GOPALAN ENTERPRISES,BANGALOR
29240114049	200709	2	M.J.STEELS, M.R.R.RD., BANGALO
29240114049	200709	3	SHALINI ENTERPRISES, MOTHINAGA
29240114049	200709	4	NAMADEV STEEL INDUSTRIES,BANG
29240114049	200709	5	GUPTHA BROTHERS, BANGALORE
29240114049	200709	6	J.M.C.PROJECTS INDIA LTD., BANG
29240114049	200709	7	NANDI STEEL ALLOYS, OM RD
29240114049	200709	8	SRI MURUGAN STEEL SUPPLY
29240114049	200709	9	DAMUDI STEELS,MOTI NGR,BANGAL
29240114049	200709	10	MARUTHI STEELNHARDWARE, BANG
29240114049	200709	11	P.V STEEL TRADERS,MAGADI MAIN
29240114049	200709	12	JAGAN STEELS, BANGALORE
29240114049	200709	13	MARUTHI STEEL TRADERS
29240114049	200709	14	ANAND TRADING CO.
29240114049	200709	15	CALCUTTA ISPAT,
29240114049	200709	16	CALCUTTA ISPAT,
29240114049	200709	17	KRISHNA STEELS,CHINTAMANI.
29240114049	200709	18	NANDI STEEL ALLOYS,OM.RD
29240114049	200709	19	BHUWALKA SONS P.LTD
29240114049	200709	20	VINAYAKA ASSOCIATES SRI, P.B
29240114049	200709	21	NISCHITH ENTERPRISES, BLOR
29240114049	200709	22	J.K.TRADERS, KOLAR
29240114049	200709	23	VASAVI STEEL INDUSTRIES
29240114049	200709	24	LAXMI IRON STEELS, BLORE
29240114049	200709	25	LAXMI IRON STEELS, BLORE
29240114049	200709	26	RAJALAXMI STEEL TRADERS, BANGA
29240114049	200709	27	SUVA STEEL S. WHITEFIELD

Preview: Page 1 of 14

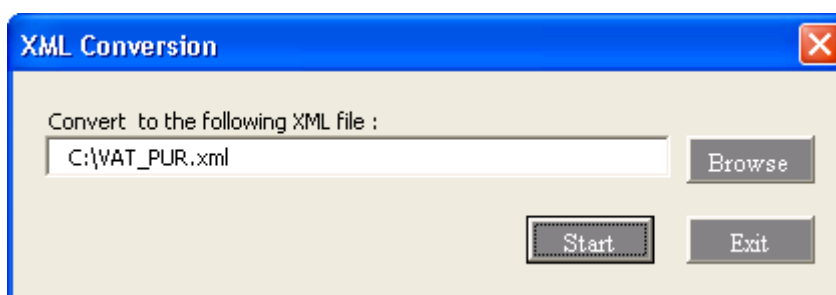
```

<?xml version="1.0" encoding="utf-8" ?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
<xs:element name="PurchaseDetails" />
  <xs:element name="PurchaseInvoiceDetails">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="TinNo" type="TinNoType" />
        <xs:element name="RetPerdEnd" type="RetPerdEndType" />
        <xs:element name="Sno" type="NoZeroType" />
        <xs:element name="SelName" type="SelNameType" />
        <xs:element name="SelTin" type="TinNoType" />
        <xs:element name="InvNo" type="InvNoType" />
        <xs:element name="InvDate" type="xs:date" />
        <xs:element name="NetVal" type="IntType" />
        <xs:element name="TaxCh" type="IntType" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:simpleType name="TinNoType">
    <xs:restriction base="xs:integer">
      <xs:pattern value="[2][9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]" />
      <xs:totalDigits value="11" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="RetPerdEndType">
    <xs:restriction base="xs:integer">
      <xs:pattern value="[2][0][0][6-9][0-1][0-9]" />
    </xs:restriction>
  </xs:simpleType>

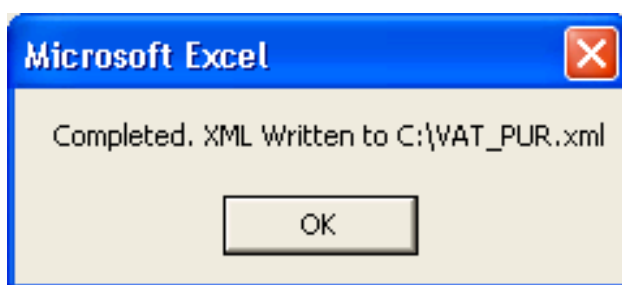
```

Excel sheet has a row with column name as '/PurchaseInvoiceDetails/TinNo'. Now this column can be mapped to the node indicated by an arrow in the .xsd file. The TinNo node is indicated to be of type "TinNoType", the definition of which is depicted as per the symbol @. Similarly for '/PurchaseInvoiceDetails/RetPerdEnd' corresponds to "RetPerdEnd" node, the definition of which is depicted as per the symbol ©. The pattern values against each of these groupings suggest the value that can be entered into this column. A numeric attribute is displayed as having value from 0-9, Capital Alphabets Letter as A-Z, small letters as a-z etc. Likewise all the rows of the Excel file can be mapped to different nodes and node types in the .xsd file. User can look into these patterns and accordingly update the data in the Excel file so that conversion to xml becomes very easy.

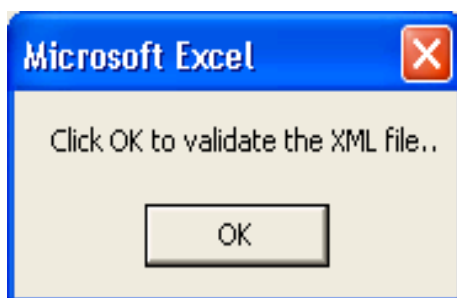
Step 3: On the right of the screen shown above the user can see a button with name 'Convert to XML'. To start the conversion, user can press this button and the following screen is displayed where the system asks the file name where the converted information has to be stored. User can enter the file name and press 'Start'.



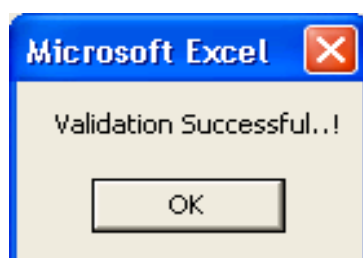
Before starting the conversion process, user has to ensure that the .xsd files (comes along with the downloaded .zip file) are in the same directory as that of the Excel file. If there are no errors during conversion, system displays the following screen indicating the path of the file where it is being saved.



Further on pressing the 'Ok' button, user is displayed the following button which tries to validates the data entered with the format file as (.xsd file which comes along with the .zip file) given by the Commercial Tax department. To verify with this, user has to press 'OK' and the system validates the Converted XML file with the format file.



Once all the corrections, updations and modification are done and if the data in excel file matches that of the format file, then system indicates with a message as shown below.



Now user can copy this file and upload the same to the e-filing system for further action at the departments end.

Sales Invoice

As explained above for the Purchase Invoice, the steps 1 to 3 are repeated in the Sales Invoice Conversion except for the (VAT_SL_EXL_XML.xls) file. Users can start entering the data as summarized in the next table

Row	Description	Entry to be done
1 st	/SaleInvoiceDetails/TinNo	TIN number
2 nd	/SaleInvoiceDetails/RetPerdEnd	return period of the Invoices being submitted
3 rd	/SaleInvoiceDetails/Sno	Serial number of the Invoice or it can be numbered serially without any repetition of the numbers in this column
4 th	/SaleInvoiceDetails/BuyName	Buyer name of the dealer from whom purchase is made
5 th	/SaleInvoiceDetails/BuyTin	Tin Number of the dealer to whom the sale is made.
6 th	/SaleInvoiceDetails/InvNo	The Invoice number of sale invoice
7 th	/SaleInvoiceDetails/InvDate	Invoice date on the sale invoice
8 th	/SaleInvoiceDetails/NetVal	Net Value of the sale made
9 th	/SaleInvoiceDetails/TaxCh	Total Tax value for the sale made

Export Invoice

The export invoice follows the same steps 1 to 3 of the Sales Invoice Conversion except for the (VAT_EXP_XML.xls) file. Users can start entering the data as summarized in below table

Row	Description	Entry to be done
1 st	/ExpDet/Tin	TIN number
2 nd	/ExpDet/RetPerd	return period of the Invoices being submitted
3 rd	/ExpDet/Sno	Serial number of the Invoice or it can be numbered serially without any repetition of the numbers in this column
4 th	/ExpDet/InvNo	The Invoice number of export invoice
5 th	/ExpDet/InvDt	Invoice date on the export invoice
6 th	/ExpDet/BilCnm	Consignee Name and address
7 th	/ExpDet/BolNo	Bill of Lading Number
8 th	/ExpDet/BolDt	Bill of Lading Date
9 th	/ExpDet/CarrNm	Name of the carrier or agent
10 th	/ExpDet/Goods	Goods Description
11 th	/ExpDet/Invcur	Invoice value along with Currency
12 th	/ExpDet/InvRup	Invoice Value in Indian Rupee

Online CST Forms

As explained above, the data entry in the Excel file is the same except for a few parameters. Below paras explain and ease out the process of data updation in the Excel Sheet specifically for the Online CST Forms. User can go through the .xsd file for the Online CST Forms where they can verify the contents which are to be entered and the type of content whether they are alphanumeric or characters or digits etc. Once data is entered in the Excel sheet and converted, it generates the .xml file keeping the .xsd file as base. Shown below is the data updated Excel sheet. There are two types of transactions which are a) Dealer dealing with single commodity from a specific dealer outside Karnataka b) Dealer dealing with multiple commodities from various dealers outside Karnataka.

The First case a) is explained below taking the first row of excel sheet

/Cst_Mst/Tin	/Cst_Mst/Sel_Name	/Cst_Mst/Sel_Addr	/Cst_Mst/Sel_State	/Cst_Mst/Sel_Tin	/Cst_Mst/SFType	/Cst_Mst/InvNo	/Cst_Mst/InvDt
29240114049	Shambavi Enterprises	Maharashtra	MH	MH27202289	D	8976	12/02/2008
29240114049	Ajanta Auto Industries Limited	Maharashtra	MH	MH27201809	D	8976	22/09/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	897	12/01/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	1973	12/02/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	2971	13/02/2008
29240114049	Gajana Agencies	Kerala	KL	KL325092345	E1	8977	21/02/2008
29240114049	Bansals Group	Chandigarh	CH	CH042323456	C	8990	24/09/2008

```

<?xml version="1.0" ?>
- <Comp_CSTForms_req>
  <Cst_Mst>
    <Tin>29240114049</Tin>
    <Sel_Name>Shambavi Enterprises</Sel_Name>
    <Sel_Addr>Maharashtra</Sel_Addr>
    <Sel_State>MH</Sel_State>
    <Sel_Tin>MH27202289</Sel_Tin>
    <SFType>D</SFType>
  - <InvDet>
    <InvNo>8976</InvNo>
    <InvDt>2008-02-12</InvDt>
    <CommNm>Commodity</CommNm>
    <CommCd>AS809</CommCd>
    <InvVal>230000.00</InvVal>
    <PurOrdNo>8976</PurOrdNo>
    <PurOrdDt>2008-02-21</PurOrdDt>
    <PurCd>2</PurCd>
  </InvDet>
  </Cst_Mst>
+ <Cst_Mst>
+ <Cst_Mst>
+ <Cst_Mst>
+ <Cst_Mst>
</Comp_CSTForms_req>

```

The first row contains the details of transaction done by a dealer from Karnataka with Tin no as 29240114049 with a Maharashtra Dealer with Tin no as MH27202289. There is a single invoice in this case which is prefixed with tag name as <InvDet> and the transaction details start with the tag name <Cst_Mst>. Because of space constraint the rest of the XML has not been shown. The same tags repeat for each of the transactions done by the dealer in Karnataka.

The other case b) is as shown below where a dealer from Karnataka deals with various dealers having different statutory forms who deal with multiple commodities from different states. Concentrate on rows 3 to 5 in excel sheet

/Cst_Mst/Tin	/Cst_Mst/Sel_Name	/Cst_Mst/Sel_Addr	/Cst_Mst/Sel_State	/Cst_Mst/Sel_Tin	/Cst_Mst/SFType	/Cst_Mst/InvNo	/Cst_Mst/InvDt
29240114049	Shambavi Enterprises	Maharashtra	MH	MH27202289	D	8976	12/02/2008
29240114049	Ajanta Auto Industries Limited	Maharashtra	MH	MH27201809	D	8976	22/09/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	897	12/01/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	1973	12/02/2008
29240114049	Sharma Traders	Maharashtra	MH	MH27011890	C	2971	13/02/2008
29240114049	Gajana Agencies	Kerala	KL	KL325092345	E1	8977	21/02/2008
29240114049	Bansals Group	Chandigarh	CH	CH042323456	C	8990	24/09/2008

```

<?xml version="1.0" ?>
- <Comp_CSTForms_req>
+ <Cst_Mst>
- <Cst_Mst>
  <Tin>29240114049</Tin>
  <Sel_Name>Sharma Traders</Sel_Name>
  <Sel_Addr>Maharashtra</Sel_Addr>
  <Sel_State>MH</Sel_State>
  <Sel_Tin>MH27011890</Sel_Tin>
  <SFType>C</SFType>
  - <InvDet>
    <InvNo>897</InvNo>
    <InvDt>2008-01-12</InvDt>
    <CommNm>Commodity</CommNm>
    <CommCd>AS908</CommCd>
    <InvVal>210000.00</InvVal>
    <PurOrdNo>8976</PurOrdNo>
    <PurOrdDt>2008-08-22</PurOrdDt>
    <PurCd>4</PurCd>
  </InvDet>
  - <InvDet>
    <InvNo>1973</InvNo>
    <InvDt>2008-02-12</InvDt>
    <CommNm>Commodity</CommNm>
    <CommCd>AS908</CommCd>
    <InvVal>210000.00</InvVal>
    <PurOrdNo>8977</PurOrdNo>
    <PurOrdDt>2008-09-24</PurOrdDt>
    <PurCd>5</PurCd>
  </InvDet>
</Cst_Mst>
- <Cst_Mst>
  <Tin>29240114049</Tin>
  <Sel_Name>Sharma Traders</Sel_Name>
  <Sel_Addr>Maharashtra</Sel_Addr>
  <Sel_State>MH</Sel_State>
  <Sel_Tin>MH27011890</Sel_Tin>
  <SFType>D</SFType>
  - <InvDet>
    <InvNo>2971</InvNo>
    <InvDt>2008-02-13</InvDt>
    <CommNm>Commodity</CommNm>
    <CommCd>AS908</CommCd>
    <InvVal>210000.00</InvVal>
    <PurOrdNo>8976</PurOrdNo>
    <PurOrdDt>2008-09-22</PurOrdDt>
    <PurCd>6</PurCd>
  </InvDet>
</Cst_Mst>
+ <Cst_Mst>
+ <Cst_Mst>
</Comp_CSTForms_req>

```

Rows which can be identified by dotted line indicate the transaction done by a dealer from Karnataka with Tin no as 29240114049 with a Maharashtra Dealer with Tin no as MH27011890. From the Excel Sheet we can see that this non-Karnataka dealer has done three transactions.

There are three invoices in this case and the transaction details start with the tag name <Cst_Mst>. But for the same <Cst_Mst> Non Karnataka dealer there are two different tags with different colors. The GREEN color indicates the transaction done with 'C' type statutory form having two invoices with different commodities, date of purchase, Invoice value, purchase order no, purchase date and purpose code and hence there are two <InvDet> tags. The RED color indicates the transaction done with 'D' type statutory form with a single invoice and hence a single <InvDet> tag for the same non Karnataka dealer.

As explained in above paragraphs and from the diagram, we can interpret that even though the Non Karnataka dealer is same with two different types of statutory forms but with three invoices, data has to be repeated for all these invoices in the columns mentioned as /Cst_Mst/Tin, /Cst_Mst/Sel_name, /Cst_Mst/Sel_Address, /Cst_Mst/Sel_addr, /Cst_Mst/Sel_State, /Cst_Mst/Sel_Tin'. And all the other columns can vary accordingly.

4.5 VAT 505 Forms

As explained above, the data entry in the Excel file is very similar to that of the data entry for Purchase or Sales or Export Invoices. User can go through the .xsd file for the VAT 505 Forms where they can verify the contents which are to be entered and the type of content whether they are alphanumeric or characters or digits etc. Once data is entered in the Excel sheet and converted, it generates the .xml file keeping the .xsd file as base. Users can start entering the data as summarized in below table

Row	Description	Entry to be done
1 st	/Vat505_Det/Tin	TIN number
2 nd	/Vat505_Det/InvNo	The Invoice number of export invoice
3 rd	/Vat505_Det/InvDt	Invoice date on the export invoice
4 th	/Vat505_Det/Dn_dt	Delivery Date
5 th	/Vat505_Det/Buy_Tin	TIN number of the buyer
6 th	/Vat505_Det/Buy_Nm	Name of the buyer
7 th	/Vat505_Det/Fro_place	Goods transferred from
8 th	/Vat505_Det/To_place	Goods transferred to
9 th	/Vat505_Det/Goods_Desc	Description of the goods
10 th	/Vat505_Det/Qty_unit_det	Quantity of goods transferred along with unit of measurement
11 th	/Vat505_Det/Val	Invoice Value
12 th	/Vat505_Det/Tr_Veh_Own	Owner name of the Vehicle
13 th	/VAT505_Det/Veh_no	Vehicle number
14 th	/VAT505_Det/Gc_Lr_No	GC / LR number
15 th	/VAT505_Det/Trans_Goods_cat	Goods Category
16 th	/VAT505_Det/Doc_type	Document types

4.6 OLD CST Forms

As explained above in the sub section on Online CST forms, the data entry in the Excel file is the same except for a few of the columns. User can see that purpose order number, order date and purpose code are the columns exempted from the Old CST forms in the Invoice Details. User can go through the .xsd file for the Old CST Forms where they can verify the contents which are to be entered and the type of content whether they are alphanumeric or characters or digits etc. Once data is entered in the Excel sheet and converted, it generates the .xml file keeping the .xsd file as base. User can enter the data as shown in the below table.

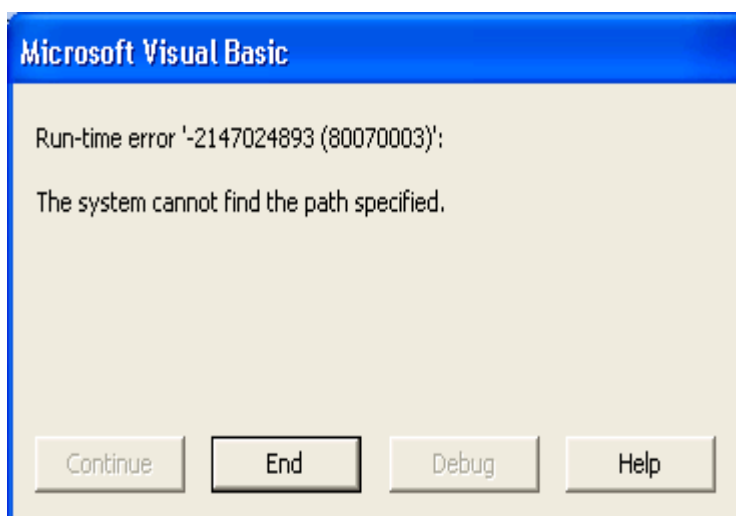
Row	Description	Entry to be done
1 st	/OldCst/TinNo	TIN of the Dealer
2 nd	/OldCst/Seriesno	Series number
3 rd	/OldCst/Sno	Serial number
4 th	/OldCst/UtilType	Utilisation type
5 th	/OldCst/SBName	Seller name in case of utilisation and buyer name in case of receipt
6 th	/OldCst/SBAddr	Seller address in case of utilisation and buyer

		address in case of receipt
7 th	/OldCst/SBState	Seller State in case of utilisation and buyer state in case of receipt
8 th	/OldCst/SBTin	Seller TIN in case of utilisation and buyer TIN in case of receipt
9 th	/OldCst/SfType	Type of form
10 th	/OldCst/UtilCat	Utilisation Category
11 th	/OldCst/InvNo	Invoice number
12 th	/OldCst/InvDate	Invoice Date
13 th	/OldCst/CommCd	Codes of the commodity
14 th	/OldCst/CommName	Description of the commodity
15 th	/OldCst/InvVal	Invoice Value in Indian Rupees

NOTE : IN CASE OF AMBIGUITY IN USING ANY OF THE ABOVE CONVERTERS, THE USERS CAN GO THROUGH THE USER MANUAL FOR INDEPTH CLARIFICATIONS REGARDING THE COLUMNS, ITS CONTENTS, CODES USED AND OTHER DETAILS. USER MANUAL EXPLAINS BRIEFLY ALL THESE FEATURES FOR EACH OF THE ABOVE SIX CONVERTER UTILITIES

5 Exceptions

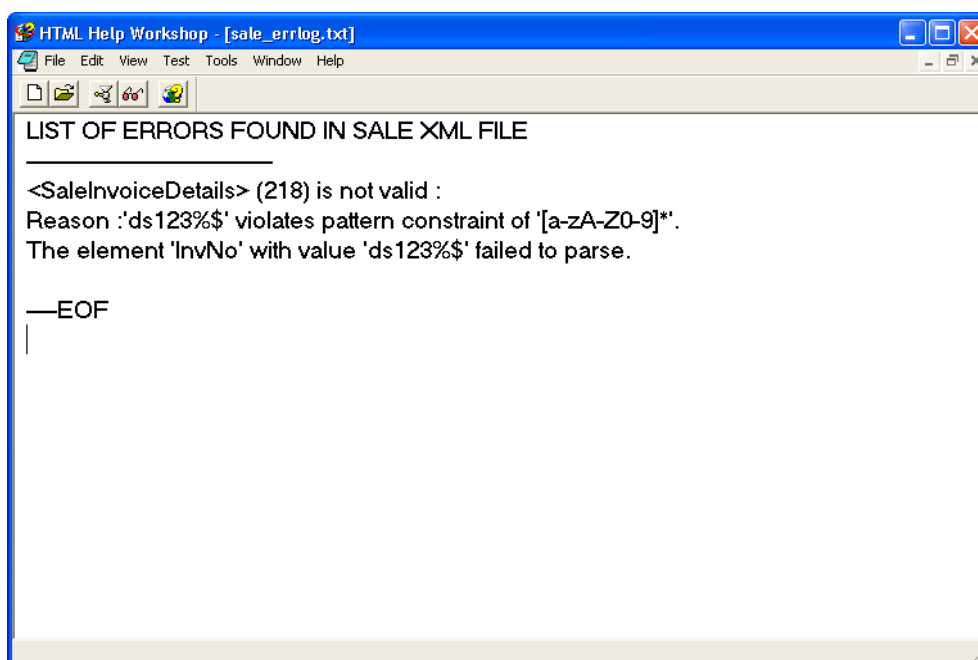
A. Before starting the conversion process, user has to ensure that the .xsd files (comes along with the downloaded .zip file) are in the same directory as that of the Excel file else following error screen is displayed which indicates that the .xsd file is not present for comparison in the directory where the Excel file is located.



B. In spite of the .xsd file present in the said directory if there are any errors the system generates an error log so that it helps the user to identify as to where the data is mismatching and hence correction can be made to Excel file where the system shows the screen as below indicating the error log file generated. After validating with the .xsd file the system pops a message box as below indicating that some where there is mismatch in the data entered in the Excel file, the errors of which are saved in the sale_errlog.txt file. Press 'OK' and come out of the Excel.



In the same directory open the newly generated file sale_errlog.txt, the screen of which is as below. User can go through this file which tells that the number within parenthesis (218) is the row having error.



[EXPLANATION: IN THE ABOVE SCREEN, IT IS INDICATING THAT THERE IS AN ERROR AT ROW NUMBER 218 FOR THE COLUMN INVOICE NUMBER WHERE THERE IS A MISMATCH OF THE CHARACTERS ENTERED. AS PER THE FORMAT MENTIONED BY THE DEPARTMENT INVOICE NUMBER CANNOT CONTAIN ANY

SPECIAL CHARACTERS LIKE \$,#,@ etc. LIKE WISE FOR EACH AND EVERY COLUMN IN A ROW AND FOR ALL THE ROWS OF THE EXCEL SHEET, THE CONVERTOR VALIDATES WITH THE FIXED FORMAT AND GIVES AN ERROR LOG FILE IF THERE ARE ERRORS FOUND DURING CONVERSION PROCESS. USER HAS TO LOOK IN TO THIS FILE AND MAKE CHANGES IN THE EXCEL FILE ACCORDINGLY]

The details of the error mentioned against the corresponding row indicate as to where the error exists and the reason for the error. Accordingly, user can go through the XSD format given by the department and make corrections to the Excel file corresponding to that row and column and once again generate the XML file. This can be repeated until the error log file shows no error.

As explained the above, this process can be repeated for different months with different files and these operation also hold good in the case of Sales Invoices.

6. Attention

Various features which can be kept in mind while entering the data are dealt in this section. As mentioned in the above paras's user can understand that for conversion of the Excel to XML, the data has to be entered in a definite way and not in a haphazard way. Even if done, at the time of uploading the file the system shows error. In the above paras, explanations have been given as to where to enter what data in which column etc, but this section briefs the user as to how the data has to be entered. In case these conditions are taken care initially, then conversion is very easy.

To begin with, user can just browse the contents of .xsd file. Even though it looks like cumbersome, confusing and not understandable, it is recommended that user goes thru the contents patiently and compare the contents with the Excel File where the data shall be updated in the rows as shown in table above. User can see that the row name in excel corresponds to a node in the .xsd file which is depicted by arrows in the figure shown below

7. Code list

Details of the Code and Number Assigned to the States and UT's to be used while entering the online C-Form Request in XML Format.

Serial No	State Name	State Code	State Number	Use in
01	ANDHRA PRADESH	AP	28	Online CST forms with tag name as <Sel_State> Old CST forms with tagname as <SBState>
02	ANDAMAN AND NICOBAR	AN	35	
03	ARUNACHAL PRADESH	AR	12	
04	ASSAM	AS	18	
05	BIHAR	BH	10	
06	CHANDIGARH	CH	04	
07	CHHATTISGARH	CT	22	
08	DELHI	DL	07	
09	GOA	GA	30	
10	GUJARAT	GJ	24	
11	HARYANA	HR	06	
12	HIMACHAL PRADESH	HP	02	
13	JAMMU AND KASHMIR	JK	01	
14	JHARKHAND	JH	20	
15	KARNATAKA	KA	29	
16	KERALA	KL	32	
17	LAKSHADWEEP	LD	31	
18	MADHYA PRADESH	MP	23	
19	MAHARASTRA	MH	27	
20	MANIPUR	MN	14	
21	MEGHALAYA	ME	17	
22	MIZORAM	MI	15	
23	NAGALAND	NL	13	
24	ORISSA	OR	21	
25	PONDICHERRY	PY	34	
26	PUNJAB	PB	03	
27	RAJASTHAN	RJ	08	
28	SIKKIM	SK	11	
29	TAMIL NADU	TN	33	
30	TRIPURA	TR	16	
31	UTTAR PRADESH	UP	09	
32	UTTARANCHAL	UR	05	
33	WEST BENGAL	WB	19	
34	OTHER COUNTRIES	OT	00	
36	DADAR AND NAGAR HAVELI	DN	26	
37	DAMAN AND DIU	DD	25	
38	SILVASSA	SL	36	

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Details of Code Assigned for the Purposes of Inter State Purchases against C-Form for use in the XML format only.

Document Type	INV	Invoice	Online 505 Forms with the tagname as <Doc_type>
	CON	Consignment Note	
	STM	Stock Transfer Memo	
	SPB	Self-Purchase Bill	
	LJV	Lab. Chg/Jobwork Voucher	
	OTH	Others	
Purpose Code	1	Resale	Online CST Forms with the tagname as <PurpCd>
	2	Use in Manufacture/Processing of goods for sale	
	3	Used in mining	
	4	Used in Generation/Distribution of power	
	5	Packing of goods for Sale/Resale	
	6	In the telecommunication network	
	7	For Packing of any Goods or For Packing of any Container or other Materials.	
Category	V-A	After Sales	Online 505 Forms with tagname as <Trans_goods_cat>
	V-B	After Purchase	
	V-C	To his principal	
	V-D	For Sale on Consignment basis	
	V-E	To his Shop/Godown/Storage/ For jobwork/Return after jobwork/Line Sale/Stock Transfer/Others	
Commodity type	Check out the Commodity Enabled option of the 'Reports and Help Menu' page		Online CST Forms with tagname as <CommCd>

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Statutory Forms type	C	C-Form	Online CST forms with tag name as <SFtype > Old CST forms with tagname as <SFType>
	D	D-Form	
	F	F-Form	
	H	H-Form	
	I	I-Form	
	E1	E I-Form	
	E2	E II-Form	
	CR	C-Forms related to E I/E II Forms	
Utilisation Type	U	Used	Old CST Form with tagname as <Utiltype>
	L	Lost	
	D	Defaced	
	O	Obsolete	
	C	Cancelled	
Utilisation Category	U	Utilisation	Old CST Form with tagname as <UtilCat>
	R	Receipt	