

Required Data Elements for Certificate of Registration

Version 1.3 Dated 10th December, 2004

Usage **V** = Visible, **M** = Machine, **B** = Both, **VIZ** = Visible Inspection Zone, **MRZ** = Machine Readable Zone

Ref. #	Data Element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot Operator/ Personalizer for RC Card Personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the RC Card Layout in Data Element for RC.docx
1.	Name of State Transport Department	V	The state name logo will appear in the full background in light print and also act as a Security feature. The sizes have been described separately.	NA	NA	NA
2.	Card Serial Number	V	Each blank card must have a unique number as part of a series. This will ensure proper record of the blank card series	NA	NA	NA
3.	Chip Serial Number	M	Each blank card must have a unique chip number as part of a series.	Chip Serial Number as available from the supplier	NA	Data Object Tag Value: 0x0246
4.	Vehicle Registration Number	B	The program software will allot a unique registration number of 10-character size for each new vehicle. First two characters will indicate state code, next two positions will indicate RTO code, next two positions will indicate the series being followed and last	VIZ-10 char MRZ-10 bytes Fixed	1-10	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C0

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			four positions will indicate numerals in the range 0001 to 9999.			
5.	Registration Date	V	This field will indicate the first date of registration of the vehicle in ddmmyyyy format.	VIZ- 10 char in dd-mm-yyyy format.	11-18	NA
6.	OWNER DETAILS		Owner Details Header			
6.1	Name	B	Name of the Vehicle Owner	VIZ-35 char MRZ-35 bytes Fixed	19-53	For MRZ: DF id: 50 00 File id: 50 03 Tag: C1
6.2	Son/Wife/ Daughter of	B	Name	VIZ-35 char MRZ-35 bytes Fixed	54-88	For MRZ: DF id: 50 00 File id: 50 03 Tag: C2
6.3	Address: Current Postal Address	V	Current postal address of the vehicle owner including pin code, if available, will appear in 5 lines. Each segment will be separated by a blank space. First 3 lines will have 35 characters. Fourth line of 25 characters will be for city and last line will contain 6-digit pin code.	VIZ - 136 char 35+35+ 35+25+6	89-224	NA

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7.	VEHICLE DETAILS		Vehicle Details Header			
7.1	Name of Manufacturer with make	V	This field will indicate the codified name of the manufacturer.	VIZ – 6 chars Fixed 6 chars	225-230	NA
7.2	Model Number	V	This field will indicate the model number of the vehicle as described by the Manufacturer	VIZ – 30 chars	231-260	NA
7.3	Colour	V	Color field will have 15 characters.	VIZ – 15 chars	261-275	NA
7.4	Fuel	V	Fuel code will have 6 characters.	VIZ – 6 chars	276-281	NA
7.5	Vehicle Class	V	This field has 6 characters.	VIZ – 6 chars	282-287	NA
7.6	Body Type	V	Body type has 6 characters.	VIZ – 6 chars	288-293	NA
7.7	Seating Capacity	V	Seating capacity has 3 digits.	VIZ – 3 chars	294-296	NA
7.8	Standing capacity	V	Standing capacity has 2 digits.	VIZ – 2 chars	297-298	NA
7.9	Date of Manufacture	V	This field has 7 characters in mm/yyyy format.	VIZ – 7 chars	299-305	NA
7.10	Unladen Weight	V	Unladen weight will have 6 digits.	VIZ – 6 digits	306-311	NA
7.11	Cubic Capacity	V	Cubic capacity will have 6 digits.	VIZ – 6 digits	312-317	NA

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7.12	Wheel Base	V	This field has 6 digits.	VIZ – 6 digits	318-323	NA
7.13	Number of Cylinders	V	This is a 1digit field.	VIZ – 1 digit	324	NA
7.14	Owner Serial	B	Owner serial field is of 2 digits and will indicate how many times the vehicle ownership is transferred. While writing on MRZ the 2 digits are converted to 1 byte packed BCD format and then written on the card.	VIZ-2 digits MRZ – 1 byte	325-326	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C6
7.15	Chassis Number	V	This field will have 30 characters.	VIZ – 30 chars	327-356	NA
7.16	Engine Number	V	This field will have 30 characters.	VIZ – 30 chars	357-386	NA
8.	Tax paid up to	B	This field will be described in dd-mm-yyyy format. The field will indicate tax validity. In MRZ the date will be stored as 8-digit integer in packed BCD format in the ddmmyyyy format. For example: VIZ: 10-02-2002 MRZ:10022002	VIZ – 10 chars Fixed 10 chars MRZ-4 bytes	387-394	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C3
9.	Registration Validity	B	The date till when registration is valid.	VIZ-10 char	VIZ: dd-mm-yyyy 395-402	For MRZ: DF id: 50 00

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			Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	MRZ: ddmmyyyy	File id: 50 03 Tag Value: C4
10.	Signature of Approving Authority	V	Signature of the approving authority is to be printed in the given box. The width to height ratio of the captured signature image should remain the same as the original signature.	Aspect ratio of 4:1 for width to height ratio. Box size wXh : 25.4 X 6.35 mm (1.0 X 0.25 inch) for signature image	NA	NA
11.	Identification of Approving Authority	B	Each office of the approving authority shall have a unique identifier. This field will have 10 characters, the first two indicating the name of the state in alphabetic, next three characters will be numbers indicating the unique numbers of the issuing office the remaining five characters will show the unique employee code of the issuing officer.	VIZ-10 char MRZ-10 bytes Fixed 10 Bytes	403-412	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C5

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12.	HYPOTHECA TION DETAILS		Hypothecation Header			
12.1	Name of the Financier	M	Name of financing organization.	MRZ - 35 bytes	413-447	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C7
12.2	Address of Financier	M	Address of financing organization.	MRZ - 30 bytes	448-477	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C7
12.3	Hypothecated from	M	Date from when hypothecated. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	478-485	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C7
12.4	Hypothecated up to	M	Date will when hypothecated. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	486-493	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C7
13.	NOC DETAILS		NOC Information Header			
13.1	NOC Number	M	No Objection Certificate Number	MRZ - 30 Bytes	494-523	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C8
13.2	State To (Code Only)	M	State code where vehicle is going.	MRZ-2 bytes	524-525	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C8

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13.3	RTO To	M	Name of RTO to whom NOC is issued.	MRZ-4 bytes	526-529	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C8
13.4	NCRB Clearance Number	M	National Crime Record Bureau Clearance Number	MRZ - 20 Bytes	530-549	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C8
13.5	NOC Issue Date	M	Date when NOC issued. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	550-557	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C8
14.	INSURANCE DETAILS		Insurance Information Header			
14.1	Name of the company	M	Name of insurance company.	MRZ-35 bytes	558-592	For MRZ: DF id: 50 00 File id: 50 04
14.2	Cover-note/Policy Number	M	Number of the policy or the cover-note	MRZ - 25 Bytes	593-617	For MRZ: DF id: 50 00 File id: 50 04
14.3	Type of Insurance	M	Insurance Type	MRZ - 1 Byte	618	For MRZ: DF id: 50 00 File id: 50 04
14.4	Validity up to	M	This field will be described in ddmmyyyy format and will indicate insurance validity. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	619-626	For MRZ: DF id: 50 00 File id: 50 04

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15.	PUC DETAILS		PUC Header			
15.1	Checking Centre (Code only)	M	Authorised Pollution Checking Centre Code of four characters.	MRZ-4 bytes	627-630	For MRZ: DF id: 50 00 File id: 50 05
15.2	Validity up to	M	This field will be described in ddmmyyyy format and will indicate pollution validity. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	631-638	For MRZ: DF id: 50 00 File id: 50 05
16.	TAX PAYMENT DETAILS		Tax Details Header			
16.1	Amount	M	Tax amount paid including penalty in Rupees. While writing on MRZ the 6 digits will be converted to 3-byte packed BCD format.	MRZ-3 bytes 3 Bytes (6 digits)	639-644	For MRZ: DF id: 50 00 File id: 50 07
16.2	Fine	M	Fine amount paid including penalty in Rupees. While writing on MRZ the 6 digits will be converted to 3-byte packed BCD format.	MRZ-3 bytes 3 Bytes (6 Digits)	645-650	For MRZ: DF id: 50 00 File id: 50 07
16.3	Exemption/ Receipt Number	M	Either exemption detail or receipt number.	MRZ-11 bytes	651-661	For MRZ: DF id: 50 00 File id: 50 07
16.4	Payment Date	M	Date when tax paid. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	662-669	For MRZ: DF id: 50 00 File id: 50 07

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16.5	Valid From	M	This field will indicate tax validity from date. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	670-677	For MRZ: DF id: 50 00 File id: 50 07
16.6	Valid Up To	M	This field will indicate tax validity to date. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	678-685	For MRZ: DF id: 50 00 File id: 50 07
16.7	Exemption (L/O/Y/H/Q/ M or E)	M	Mode of Tax Payment (L- Lifetime/O-Onetime - for 2/5/10 years lump sum/Y- Yearly/H-Half yearly/Q- Quarterly/M-Monthly/E- Exempted)	MRZ-1 byte	686	For MRZ: DF id: 50 00 File id: 50 07
16.8	DRTOCode	M	DRTO Code of the RC issuing DRTO stored as string.	MRZ-2 bytes	687-688	For MRZ: DF id: 50 00 File id: 50 07
16.9	Backend Update Flag	M	To identify whether Tax details are synchronized with the backend or not. 00-Not synchronized 01-Synchronized (stored in packed BCD format)	MRZ-1 byte	689-690	For MRZ: DF id: 50 00 File id: 50 07
17.	FITNESS DETAILS		Fitness Header			

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17.1	Validity up to	M	This field will indicate fitness validity date. Refer (8) above for details on storage of date on MRZ.	MRZ-4 bytes	691-698	For MRZ: DF id: 50 00 File id: 50 06
17.2	Inspecting Officer	M	Inspector identification	MRZ-16 bytes	699-714	For MRZ: DF id: 50 00 File id: 50 06
17.3	Location	M	Location of Fitness Test	MRZ-16 bytes	715-730	For MRZ: DF id: 50 00 File id: 50 06
18.	ADDITIONAL INFORMATION IN RESPECT OF TRANSPORT VEHICLE		AITP Header			
18.1	Gross Vehicle Weight (in Kgs)	M	The registered gross weight in kilograms. While writing on MRZ the 6 digits will be converted to 3-byte packed BCD format.	MRZ-3 bytes	731-736	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C9
18.2	Number of Semi Trailers	M	In case of additional semi trailers only the number of additional numbers to be indicated. Each additional semi trailer shall have an additional registration card. (1 byte in packed BCD)	MRZ-1 byte	737-738	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C9
18.3	Number, Description and Size of tyres	M	Four fields of 16 characters each corresponding to Front, Rear, Tandem and any other Axle are reserved.	MRZ-64 bytes	739-802	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C9

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18.4	Registered Axle Weight	M	Four fields of 6 digits each corresponding to Front, Rear, Tandem and any other Axle are reserved. (4 fields of 3 bytes each in packed BCD)	MRZ-12 bytes	803-826	For MRZ: DF id: 50 00 File id: 50 03 Tag Value: C9
19	Purpose Code	V	Abbreviated purpose code(s) to be printed on smartcard. Eg:- 1) NEW - For new Regn. 2) TO/HPT/HPA - Multiple transactions.	VIZ - 20 bytes	827-846	NA