

No. C3/16099/TC/2013

Transport Commissionerate  
Kerala, Thiruvananthapuram  
Dated: 12.07.2013

From

The Transport Commissioner  
Thiruvananthapuram.

To

All Deputy Transport Commissioners,  
All Regional Transport Officers,  
All Joint Regional Transport Officers.

Sir,

Sub:- M.Vs.Dept - Approval for Registration of YAMAHA SZ-X -2 Wheeler  
-manufactured by M/s India Yamaha Motor Pvt. Ltd. -reg

Ref:- 1. Letter dated 28.06.2013 from M/s India Yamaha Motor Pvt. Ltd., G B Nagar,  
Uttar Pradesh  
2. Certificate No. CAFN 0075 E 03 dtd 15.04.2013 of iCAT

M/s India Yamaha Motor Pvt. Ltd., G B Nagar, U P in their letter dated 28.06.2013  
has requested to grant approval for the registration of following 2-Wheelers (L2 Category, BS III  
Standards) Manufactured by them.

**Yamaha SZ-X**

The International Centre for Automotive Technology has granted approval to above  
vehicles regarding the following changes in technical specifications and certified that the vehicles  
comply with the CMV Rules 1989. The details of iCAT certificates has been communicated to your  
office by E-Mail.

- i) Model Name rechristened as **SZ-RR (Base Model) and SZ-S (Variant)**
- ii) Change in VIN Structure
- iii) Change in technical specification from AIS: 007 (Rev..03) to AIS:007 (Rev.04) and other  
changes specified in Annexure I to Extension-3 of iCAT certificate

All the Registering Authorities and Additional Registering Authorities are directed to  
register the above vehicles subject to the compliance of CMV Rules, 1989 as amended up-to-date.  
They are also directed to verify the compliance of provision of Act & Rules other than those  
mentioned in Annexure I & Annexure IA of the iCAT Certificate.

Yours faithfully,

Sd/-

Joint Transport Commissioner  
For Transport Commissioner

Copy to M/s India Yamaha Motors Pvt Ltd, A-3, Industrial Area, Noida- Dadri Raod, Surajpur-  
201306 (UP) -They are requested to produce the copy of the certificate issued by Central  
Government agency before the Registering /Additional Registering Authorities if  
necessary

Approved for Issue

Senior Superintendent

*[Handwritten signature and date 12/7]*



# INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRIP Implementation Society (NATIS), Govt. of India]

|   |   |   |   |      |     |
|---|---|---|---|------|-----|
| C | A | F | N | 0075 | E03 |
|---|---|---|---|------|-----|

AI-0336

Date: 15<sup>th</sup> April 2013

| Cert | Brief | Drg | Total  |
|------|-------|-----|--------|
| 02   | 04    | 01  | 07 pgs |





## EXTENSION - 3

To

### CERTIFICATE FOR COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES

1. Based on the verification of documents and additional trials conducted on the base model "YAMAHA SZ-X", 2 Wheeler (L-2), with 281 kg GVW, manufactured by M/s India Yamaha Motor Pvt. Ltd., A-3 Industrial Area, Noida Dadri Road, Surajpur, Distt. G. B. Nagar (U.P.)-201 306, it is declared that the compliance to the provisions of the Central Motor Vehicles Rules, 1989, as per the certificate referred in Annexure -1, is also applicable to the endorsed changes in technical specifications.
2. The changes in the Technical Specifications of the base model and its variant as declared by the vehicle manufacturer, are given in Annexure - I.
3. Further, ICAT issues Type Approval Certificates for vehicles/ components/ parts/ assemblies, etc., based on the documents produced/ submitted by the customer and on these basis, the vehicles are examined and if approved, the certificate is issued. ICAT is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle/ components/ parts and assemblies. Breach of any statutory provisions of Indian laws or laws of other countries, will be the sole responsibility of the customer and ICAT shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ICAT in this regard. Further, the ICAT has the right to initiate the cancellation/ withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ICAT. The appropriate local courts at Gurgaon shall have the jurisdiction in respect of any dispute, claim or liability arising out of this certificate/ report.

#### AUTHORISED SIGNATORIES,

|   |   |   |   |
|---|---|---|---|
|  |  |  <p>MAHAVIR SINGH (NOTARY)<br/>Gautam Budh Nagar</p> |  |
| <p>S.K. KALIA<br/>GENERAL MANAGER</p>   |   | <p>DINESH TYAGI<br/>DIRECTOR</p>  | <p>Page<br/>1 of 2</p>  |

True Copy Attested

13 0 MAY 2013



|   |   |   |   |      |     |
|---|---|---|---|------|-----|
| C | A | F | N | 0075 | E03 |
|---|---|---|---|------|-----|

Date: 15<sup>th</sup> April 2013

## ANNEXURE 1



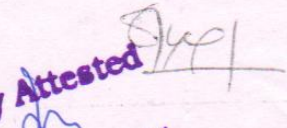
To

## EXTENSION-3

| Cert | Brief | Drg | Total  |
|------|-------|-----|--------|
| 02   | 04    | 01  | 07 pgs |

CERTIFICATE FOR COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES

### DETAILS OF CHANGE IN TECHNICAL SPECIFICATION

|   |   |  |   |   |
|---|---|--|---|---|
| 1   | M/s. India Yamaha Motor Pvt. Ltd., A-3 Industrial Area, Noida Dadri Road, Surajpur, Distt. G. B. Nagar (U.P.)-201 306 |  |   |   |
| 2   | CMVR CERTIFICATE No.  | DATE   | SPECIFICATION NO.   |   |
|   | 2.1   | 01.07.2010   | IYMPL/54B/PKS   |   |
|   |   | Valid Extension  | E1  | E2  |
|   | 3.1   | Dated  | 08.12.2010  | 19.10.2011  |
| 3   | 3.2   | Specifications Revision  | IYMPL/54B/PKS dt. 02.12.2010  | IYMPL/54B/1PM/PKS dt. 15.06.2011  |
|   |   |  | Refer Specification Nos. under Clause 5.  |   |
| 4   | Nature of change  |  | <p>1. Model Names Rechristened as SZ-RR (Base Model) and SZ-S (Variant).<br/> 2. Change in VIN Structure<br/> 3. Change in Technical Specifications from AIS: 007 (Rev .03) to AIS: 007 (Rev .04)<br/> 4. Addition and Deletion of Vendor for Front Disc Brake/ Brake Fluid<br/> 5. Change in Specification for Pillion Handhold (SZ-RR)<br/> 6. Compliance for:<br/> i. AIS: 071<br/> ii. AIS: 103 - 2009<br/> iii. AIS: 002 - 2011<br/> iv. AIS: 057 (Rev.01) - 2010<br/> v. IS: 11827 - 2008<br/> vi. IS: 15796 - 2008<br/> vii. IS: 7079-2008</p> <p>Tell Tales Verification<br/> Spray Suppression<br/> RVM Installation<br/> Reflex Reflector<br/> Speedometer Calibration<br/> Horn Installation<br/> Brake Hose</p> |   |
| Changes in Specifications   |   |  |   |   |
|   | Sr. No.   | Specifications Clause no.  | Description   | Parameter (Earlier)   |
| 5   | 5.1   | Specifications no as mentioned in Table-12   | Respective clauses as per Table-12  | As per earlier specifications:<br><br>IYMPL/54B/1PM/PKS dt. 15.06.2011  |
|   |   |  |   | Changes as per modified specifications & Table 12 (enclosed) IYMPL/54B/1PM/PKS dt. 15.03.2013<br><br>Specification No. - IYMPL/54B/1PM/PKS dt. 15.03.2013 |
| Emission Test Report No   |   | <b>CTOPF 0155 dt. 26.05.2010</b><br>Carburetor - MIKUNI, Spark Plug - NGK India, CatCon - Cataler Corporation<br><b>CTOPG 0259 dt. 14.10.2011</b><br>Carburetor - MIKUNI, Spark Plug - NGK India, CatCon - Johnson Matthey, India  |   |   |
| ICAT Reference No.  |   | 2012-685 (IOCS Ref : 30207)  |   |   |
| AUTHORISED SIGNATORIES,   |   |  |   |   |
| <br><b>S.K. KALIA</b><br>GENERAL MANAGER |   | <br><b>True Copy Attested</b><br><br><b>MAHAVIR SINGH (NOTARY)</b><br>Gautam Budh Nagar<br><b>30 MAY 2013</b> |   |   |
|   |   | <b>DINESH TYAGI</b><br>DIRECTOR  |   |   |



**DETAILS OF LOCATION OF CHASSIS NUMBER AND CODE FOR MONTH AND YEAR OF MANUFACTURE AS PER RULE 122 OF CMVR**

ICAT/CMVR/EXTN.

2012-685-

15 APR 2013

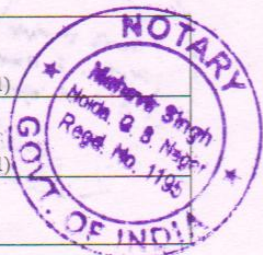
|   |   |
|---|---|
| Name of the Vehicle Manufacturer & Address :  | YAMAHA MOTOR INDIA PVT LTD,<br>A3, Industrial Area, Noida Dadri Road, Surajpur-201306,<br>Distt. Gautam Budh Nagar, (UP), |
| Name of the basic model :   | YAMAHA SZ-RR  |
| Name of Variants, if any :  | YAMAHA SZ-S   |
| Place of Embossing or etching the Chassis Number (Vehicle Identification Number). Supporting details by drawing or pictures may be provided if necessary. | RHS OF THE HEAD TUBE<br>(AS PER ENCLOSED Fig. 9.3.1)  |



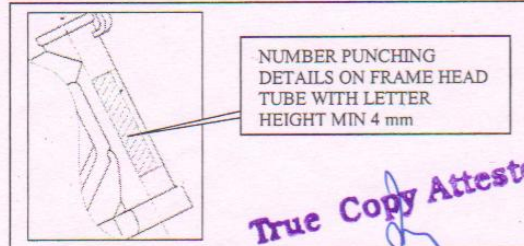
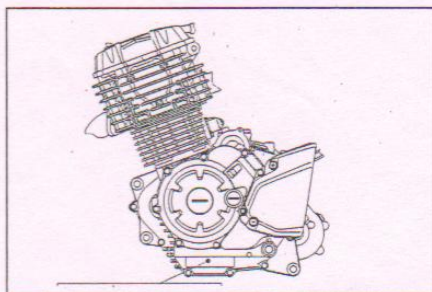
**Code for month and year of production:**

| Code for month of production: |      | Code for year of production: |      |
|-------------------------------|------|------------------------------|------|
| Month                         | Code | Year                         | Code |
| January                       | 1    | 2013                         | D    |
| February                      | 2    | 2014                         | E    |
| March                         | 3    | 2015                         | F    |
| April                         | 4    | 2016                         | G    |
| May                           | 5    | 2017                         | H    |
| June                          | 6    | 2018                         | J    |
| July                          | 7    | 2019                         | K    |
| August                        | 8    | 2020                         | L    |
| September                     | 9    | 2021                         | M    |
| October                       | A    | 2022                         | N    |
| November                      | B    | 2023                         | P    |
| December                      | C    | 2024                         | R    |

|  |  |
|--|--|
| Position of the code for month of production in the Chassis number : | RHS OF THE HEAD TUBE<br>(AS PER ENCLOSED Fig. 9.3.1) |
| Position of the code for year of production in the Chassis number :  | RHS OF THE HEAD TUBE<br>(AS PER ENCLOSED Fig. 9.3.1) |
| Height of the Chassis number (Vehicle Identification Number) :       | 5mm  |



Example of Engine No. & Chassis No :-



**True Copy Attested**

**MAHAVIR SINGH (NOTARY)**  
Gautam Budh Nagar

|   |                                |                                   |                 |
|---|--------------------------------|-----------------------------------|-----------------|
| Manufacturer:<br>M/S INDIA YAMAHA MOTOR PVT. LTD. | Document No.:<br>IYMPL/1PM/PKS | Test agency:<br>M/S ICAT, MANESAR | Certificate no. |
| Signature:<br>Name: P.K.SHEGAL                    |                                | Signature<br>Name                 |                 |
| Designation: DIVISION HEAD                        | Sheet No. - 1 -                | Designation                       |                 |
|   | Date 05.03.2013                | Date of issue                     | Page 1 of 1     |

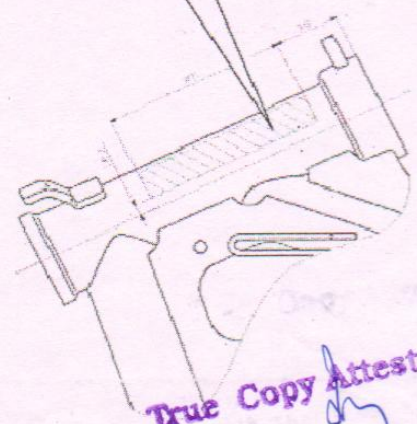
30 MAY 2013



ICAT/CMVR/EXTN. 2012-685-

15 APR 2013

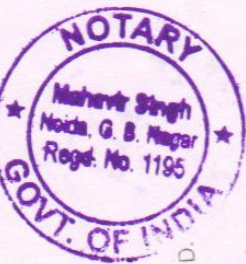
|     |      |   |   |   |   |        |  |
|-----|------|---|---|---|---|--------|--|
| ME1 | RG05 | 1 | X | X | X | XXXXXX | - APPLICABLE FOR YAMAHA SZ-RR                  |
| ME1 | RG05 | 2 | X | X | X | XXXXXX | - APPLICABLE FOR YAMAHA SZ-S                   |
|     |      |   |   |   |   |        | PRODUCTION SERIAL NUMBER                       |
|     |      |   |   |   |   |        | NUMERAL (0 OR *1 FOR OVER 1 MILION PRODUCTION) |
|     |      |   |   |   |   |        | MODEL YEAR CODE                                |
|     |      |   |   |   |   |        | MONTH CODE                                     |
|     |      |   |   |   |   |        | VARIANT / VERSION CODE                         |
|     |      |   |   |   |   |        | MODEL TYPE CODE                                |
|     |      |   |   |   |   |        | WMI CODE                                       |



NUMBER PUNCHING  
DETAIL ON FRAME HEAD  
TUBE WITH LETTER  
HEIGHT MIN 4mm



International Centre for Automotive Technology



S. K. Kalia  
General Manager

Fig. 9.3.1  
LOCATION OF VIN & DETAILS  
TYPE : RG05  
INDIA YAMAHA MOTOR PVT. LTD.

30 MAY 2013

True Copy Attested  
MAHAVIR SINGH (NOTARY)  
Gautam Budh Nagar

For INDIA YAMAHA MOTOR PVT. LTD.

Authorised Signatory



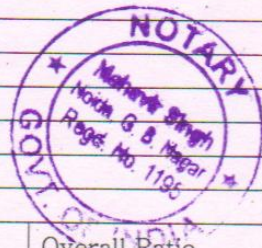
Table 7 of AIS-007 (Revision 4)  
BRIEF TECHNICAL SPECIFICATIONS FOR MOTOR VEHICLES

15 APR 2013

ICAT/CMVR/EXTN.

Table 7 of AIS-007 (Revision 4)  
BRIEF TECHNICAL SPECIFICATIONS FOR MOTOR VEHICLES

|  |                 |   |               |
|--|-----------------|---|---------------|
| A. Manufacturer's name and address           |                 | M/s India Yamaha Motor Pvt. Ltd.<br>A-3 Industrial Area, Noida Dadri<br>Road, Surajpur,<br>Dist. Gautam Budha Nagar ( UP ). |               |
| Importer's name and address (in case of CBU) |                 | N.A.  |               |
| Country of origin, if imported               |                 | N.A.  |               |
| Vehicle data                                 |                 |   |               |
| Basic model                                  |                 | Yamaha SZ-RR  |               |
| Type / Description                           |                 | RG051   |               |
| Category of the vehicle (as per AIS-053)     |                 | L2  |               |
| Variant(s) / Version(s)                      |                 | Yamaha SZ-S   |               |
| Type / Description                           |                 | RG052   |               |
| Category of variant(s) (as per AIS-053)      |                 | L2  |               |
| Engine                                       |                 |   |               |
| Make and Country of origin, if imported      |                 | India Yamaha Motor Pvt. Ltd.  |               |
| Model  |                 | Yamaha  |               |
| Type   |                 | G3C6E   |               |
| Bore x stroke (mm)                           |                 | 58 x 57.9   |               |
| No. of cylinders                             |                 | 1   |               |
| Displacement                                 |                 | 153cc   |               |
| Compression ratio                            |                 | 9.5:1   |               |
| Max. Engine output (kW @ rpm)                |                 | 8.9 <sup>±5%</sup> kW at 7500 min <sup>-1</sup>   |               |
| Max. Torque (Nm @ rpm)                       |                 | 12.8 <sup>±5%</sup> Nm at 4500 min <sup>-1</sup>  |               |
| Air cleaner type                             |                 |   |               |
| Clutch                                       |                 |   |               |
| Type   |                 | Wet Multi Disc  |               |
| Gear box                                     |                 |   |               |
| Make & model                                 |                 | N.A.  |               |
| Type   |                 |   |               |
| No. of gears                                 |                 |   |               |
| Gear ratio                                   |                 | Gear Box Ratio  | Overall Ratio |
|  | 1 <sup>st</sup> | 38/14 (2.714)   | 27.760        |
|  | 2 <sup>nd</sup> | 34/19 (1.789)   | 18.301        |
|  | 3 <sup>rd</sup> | 29/22 (1.318)   | 13.481        |
|  | 4 <sup>th</sup> | 23/22 (1.045)   | 10.692        |
|  | 5 <sup>th</sup> | 22/24 (0.9167)  | 9.375         |
|  | 6 <sup>th</sup> | - True Copy Attested  |               |
|  | Reverse         | --  |               |



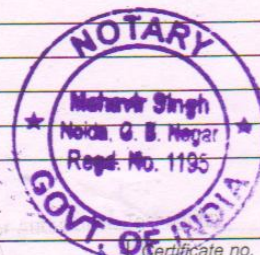
|   |                                |                                   |                 |
|---|--------------------------------|-----------------------------------|-----------------|
| Manufacturer:<br>M/S INDIA YAMAHA MOTOR PVT.LTD | Document No.:<br>IYMPL/1PM/PKS | Test agency:<br>M/S ICAT, MANESAR | Certificate no. |
| Signature:<br>Name: P.K.SEGAL                   |                                | Signature<br>Name                 |                 |
| Designation: DIVISION HEAD                      | Sheet No. - 1 -                | Designation                       |                 |
|   | Date: 05.03.2013               | Date of issue                     |                 |
|   |                                |                                   | Page 1 of 3     |

General Manager



BRIEF TECHNICAL SPECIFICATIONS FOR MOTOR VEHICLES

|  |  |
|--|--|
| Drive Axle (Front / Rear / All)                          | Rear   |
| Front axle ratio   | N.A.   |
| Rear axle ratio  | 42/14 (3.000)  |
| Steering   |  |
| Type / Description                                       | Handle Bar   |
| Steering wheel diameter mm                               | N.A.   |
| Ratio  | N.A.   |
| Frame  |  |
| Long member size (mm)                                    | 1285   |
| Number of cross members                                  | 3  |
| Suspension   |  |
| Type / Description                                       | Front : Telescopic   |
| Spring   | Helical, Coil  |
| Anti-roll bar  | N.A.   |
| Shock absorbers  | Hydraulic damper with spring                                   |
| Brake  |  |
| Service brake (Brief description)                        | N.A.   |
| Auto Slack Adjuster Fitted (Yes/No/Optional )            | N.A.   |
| ABS Fitted (Yes / No / Optional )                        | No   |
| Front (Disc / Drum)                                      | SZ-RR -Disc<br>SZ-S - Disc                                     |
| Rear (Disc / Drum)                                       | Drum   |
| Total braking area (cm <sup>2</sup> )                    | 72.5   |
| Parking brake  | N.A.   |
| Secondary brake  | N.A.   |
| Wheels and tyres   |  |
| Wheel rim size   | FRONT- 17 x 1.60 &<br>REAR - 17 x 2.15                         |
| Tyre size designation including ply rating               | Front 2.75-17(41P), TVS Make,<br>Rear 100/90-17(55P), TVS Make |
| Speed index  | Front / Rear : P   |
| Load index / Load rating                                 | Front: 41<br>Rear: 55  |
| Tyre Type (Radial / Cross / Tube / Tubeless)             | Tube   |
| Laden Tyre pressure (front & rear) (kg/cm <sup>2</sup> ) | FRONT - 200 kPa REAR- 225 kPa                                  |
| Electrical system  |  |
| System voltage (V)                                       | 12V  |
| Battery rating (Ah)                                      | 5Ah  |
| Wiper motor  | N.A.   |
| Wiping system (Brief description)                        | N.A.   |



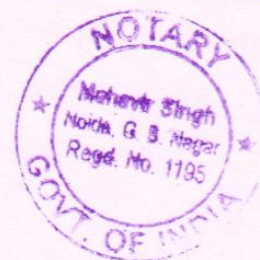
|   |                                |                                   |                 |
|---|--------------------------------|-----------------------------------|-----------------|
| Manufacturer:<br>M/S INDIA YAMAHA MOTOR PVT. LTD. | Document No.:<br>IYMPL/1PM/PKS | Test agency:<br>M/S ICAT, MANESAR | Certificate no. |
| Signature:  |                                | Signature:                        |                 |
| Name: P.K.SEHGAL                                  |                                | Name:                             |                 |
| Designation: DIVISION HEAD                        | Sheet No. - 2 -                | Designation:                      |                 |
|   | Date: 05.03.2013               | Date of issue:                    |                 |

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MAHAVIR SINGH (NOTARY)  
Gautam Budh Nagar



ICAT/CMVR/EXTN. Table 7 of AIS-007 (Revision 4) 15 APR 2013  
BRIEF TECHNICAL SPECIFICATIONS FOR MOTOR VEHICLES

|  |                     |
|--|---------------------|
| Fuel tank  | 2012-685-           |
| Material   | Steel (sheet metal) |
| Capacity (l)   | 13.8                |
| Dimensions   |                     |
| Wheel base (mm)  | 1320                |
| Overall width (mm)   | 752                 |
| Overall length (mm)  | 2050                |
| Overall Height (mm)  | 1100                |
| Front track (mm)   | N.A.                |
| Rear track (mm)  | N.A.                |
| Min. ground clearance (mm)                                     | 165                 |
| Cargo box dimensions (mm)                                      | N.A.                |
| Load body platform area  | N.A.                |
| Weights  |                     |
| Maximum GVW kg (for rigid vehicles)                            | 300                 |
| Maximum GCW kg (for articulated / combination vehicles)        | N.A.                |
| Maximum FAW (kg)   | 92                  |
| Maximum RAW (kg)   | 210                 |
| Kerb weight with 90% fuel (with spare wheel, tools, etc.) (kg) | 134                 |
| Maximum Gradeability in 1 <sup>st</sup> gear                   | 15°                 |
| Seating  |                     |
| Seating capacity   | 2                   |
| Sketch showing seating layout with dimensions                  | Fig. 12.0 (2/2)     |



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MAHAVIR SINGH (NOTARY)  
Gautam Budh Nagar

13 0 MAY 2013

|   |                                |                                   |                 |
|---|--------------------------------|-----------------------------------|-----------------|
| Manufacturer:<br>M/S INDIA YAMAHA MOTOR PVT.LTD | Document No.:<br>IYMPL/1PM/PKS | Test agency:<br>M/S ICAT, MANESAR | Certificate no. |
| Signature:                                      |                                | Signature                         |                 |
| Name; P.K.SHEGAL                                |                                | Name                              |                 |
| Designation: DIVISION HEAD                      | Sheet No. - 3 -                | Designation                       |                 |
|   | Date: 05.03.2013               | Date of issue                     | Page 3 of 3     |