



DECLARATION OF PERFORMANCE

(According to EU-REGULATION 305/2011, ANNEX III)

No: JVMLHR_34

- 1) Unique identification code of the product-type: **1.8946 (S355J2WP) - Hot Rolled products of structural steels.**
- 2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **To be used in welded, bolted and riveted structures.**
- 3) Name, registered trade name or registered trade mark and contact address of the manufacturer:

JSW VIJAYANAGAR METALLICS LIMITED

Vijayanagar works, Toranagallu, Bellary -583275, Karnataka, India.

- 4) Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **Not applicable**

- 5) System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 2+

6a) In case of the declaration of performance concerning a construction product covered by harmonized standard: **EN 10025-1: 2004** Notified factory production control certification body No. (**TÜV NORD Systems GmbH & Co. KG and Notified body number-0045**) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control. **NO. 0045-CPR-30344.**

6b) In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: **Not applicable**

- 7) Declared performance

| Essential Characteristics | Performance | | | | Harmonized technical specification |
|--|------------------------|------------------------|-------------|--------------|------------------------------------|
| Tolerance on dimension and Shape | EN 10051 | | | | EN 10025-1: 2004 |
| | Nominal thickness (mm) | | | | |
| | 1.8 ≤ T ≤ 16.0 | | | | |
| Yield Strength ReH (Mpa) | 355 min | | | | |
| | Nominal thickness (mm) | | | | |
| | <3.0 | ≥ 3.0 ≤ 16.0 | | | |
| Tensile Strength Rm (Mpa) | 510-680 | 470-630 | | | |
| Elongation (Transverse), % GL :80 mm for T<3.0 mm GL: 5.65√C/sA for T≥3.0 mm | Nominal thickness (mm) | | | | |
| | 1.5<T≤2.0 | 2<T≤2.5 | 2.5 < T<3.0 | 3 ≤ T ≤ 16.0 | |
| | 14 | 15 | 16 | 20 | |
| Impact Test (J) (transverse) | Temperature(°C) | Nominal thickness (mm) | | | |
| | -20 °C | T≤16.0 | | | |
| | | 27 | | | |
| Weldability (CEV) | CEV (%max.) | - | - | | |
| Durability(chemical composition for T≤16.0mm) | C% max. | 0.12 | Nb% max | - | |
| | Si% max. | 0.75 | V% max | - | |
| | Mn% max. | 1.0 | Ti % max | - | |
| | P % max. | 0.06-0.015 | N% max. | - | |
| | S% max | 0.03 | Cu% max | 0.25-0.55 | |
| | Al total %min | 0.02 | Mo% max | - | |
| | Cr% max | 0.3-1.25 | CE max | 0.52 | |

- Note: 1) The steel may contain at least one of the following elements: Al Total > 0.02%, Nb: 0.015% to 0.06%, V: 0.02% to 0.012%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.
- 2) The Steel may show a Ni Content of max. 0.65%
 - 3) The Steel may contain max. 0.30% Mo and Max. 0.15% Zr
 - 4) The max. Value for nitrogen does not apply if the chemical composition shows a minimum total Al Content of 0.02% or if sufficient other N binding are present. The N binding elements shall be mentioned in inspection document
 - 5) Cr may be reduced to 0.37% if the chemical composition shows a minimum Si content of 0.15%

8) Appropriate Technical Documentation and/or Specific Technical Documentation: **Not applicable**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Kalyani Sahu


Kalyani Sahu

(AGM- Product Design and Quality Control)

JSW VIJAYANAGAR METALLICS LIMITED