



प्रोजेक्ट्स एण्ड डेवलपमेंट इण्डिया लिमिटेड

(भारत सरकार का उपक्रम) : मिनी रत्न - १ कम्पनी

**PROJECTS & DEVELOPMENT INDIA LIMITED**

(A Government of India Undertaking) : A Mini Ratna - 1 Company

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CIN:- U74140UP1978GOI028629

ISO 9001:2015 & OHSAS 18001: 2007 Certified

ISO/IEC17020:2012 Accredited

Certificate no. : 4004008183/PBIS/24-25/5000077313, Dt. 28.06.2024

## Certificate Of Approval

This is certify that M/s TCR Engineering Services, VKB House, EL-182, M.I.D.C-TTC, Mahape, Navi Mumbai, is approved after evaluation of its testing facilities at their laboratory on 14<sup>th</sup> June 2024 for carrying out following tests.

1. Physical test using universal testing machine ( Tensile, Tensile test at elevated Temperature, Flattening, Bending, Flaring, Flanging, Surface roughness testing.
2. Impact Test, Drop wet test
3. Metallurgical Test ( Macro, Micro, IGC etc. )
4. Chemical Analysis ( Wet, Spectroscopy Method, PMI, LECO, Electrolytic Analysis.
5. Hardness Test, Micro Hardness, Hardenability Test
6. corrosion test ( HIC, SSC, SCC, NACE Tests )
7. Welding Test
8. Stress Rupture test
9. Fatigue & CTOD(Crack tip opening displacement)
10. Non-Destructive test( MPT,LPT,UT,RT)

Proper maintenance and valid calibration of all testing machines are to be carried out periodically to ensure proper accuracy.

This approval expires on 13.06.2025

Assessed by

Rajeev Kumar

Chief Engineer (Insp.)



Approved By

T.Venkanna

Dy. General Manager (Insp.)

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