कोंकण रेलवे कॉर्पोरेशन लिमिटेड
(भारत सरकार का उपक्रम)
KONKAN RAILWAY CORPORATION LTD.
(A Government of India Undertaking)

सादर सेवा

मुख्यालय:यूएसबीआरएलपरियोजना
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कॉर्पोरेट पहचान सं ख्या/Corporate Identity Number: U35201MH1990GOI223738

No.KR/PD/JK/CE-D/Corres. K.S.Rao/2024-01/04 **Date: 24/11/2025**
By E-mail

Work Done Certificate

This is to certify that **KSR Geotechnical Testing and Research Solutions Private Limited** located at Plot No. 1276, Sector-38, Phase-I, HSIIDC Industrial Estate, Rai, Sonipat (Haryana) – 131029, has provided geotechnical consultancy and expert opinion services for the following project:
"COMPREHENSIVE ASSESSMENT OF SLOPE STABILITY MEASURES FOR SANGALDAN YARD (CH.141/480 TO 141/530) USBRL PROJECT."
W.O. No: KR/PD/JK/CE-D/Corres. K.S.Rao/2024-01/03,dtd:22/09/2025
Scope of Services Delivered:

- Technical site visit on 2nd Sep, 2025.
- Geological, geotechnical assessment of site location
- Design and consultation for stabilization measures
- Validation of stabilization scheme including micro piling, shotcrete, rock bolting, and anchoring
- Crack investigation and evaluation of grouting
- Slope stability analyses by using geotechnical software tools
- Submission of comprehensive design report with remedial support measures.

The services rendered are documented in **Report No KSR/C/25/KRCL-Sangaldan-USBRL/1001 dated 30.10.2025,** the reports collectively capture the findings, analysis, support systems and recommendations aligned with the project scope.

We appreciate the expertise and professional approach demonstrated by **Prof. K.S. Rao,** Director-KSR Geotechnical Testing and Research Solutions Pvt. Ltd. in addressing the complex slope-related issues Sangaldan station- USBRL project.

(R R Mallick)
Deputy Chief Engineer/Design

Copy to:-
CE/Co-ordination : For your kind information please.