



पश्चिम मध्य रेल
West Central Railway

General Manager's Office
Engineering Department
Jabalpur-482 001 (M.P.)

No.W-HQ/W-4/Track/Policy/Circular/20

Date: 11.02.2022

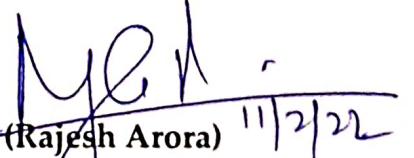
CTE PROCEDURE No. 21/2021-22

Sub: Slope stability analysis of NL/DL/TL works over WCR

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1. At all locations with embankment height more than 6 m, benching/sub-bank is necessary and needs to be provided in all situations.
2. CRS insists to carrying out slope stability analysis for embankment height more than 6 m duly approved by HQ. This is an important criterion and is very much required for safety of embankment.
3. Henceforth, for all embankment with height more than 6.0 m, slope stability analysis along with the raw laboratory data of soil testing should be submitted to HQ along with the CRS opening document by all executing agencies duly signed by project head of executing agency.
4. Soil testing should be done primarily from any recognised Engineering college/university as far as possible. In case it is not possible/feasible same testing may be done by NABL approved laboratory. This slope stability analysis should be got done when embankment earthwork is in progress.
5. Wherever division feels that at any location there is possibility of slope failure of embankment in respective of height of bank, soil testing should be done by division on his own, ensuring sample collection in presence of executing agency representative. Cost of the same shall be borne by executing agencies.
6. Slope stability analysis must be carried out as delineated in "**Comprehensive Guidelines and Specifications for Railway Formation- RDSO/2020/GE: IR-0004**"

Necessity of issuing this Procedure was felt as Recently Slope stability analysis was submitted by IRCON was not as per above guidelines / at the last moment when CRS inspection date was taken & NI was at last stage.


(Rajesh Arora) 11/2/22
Chief Track Engineer

Copy to:

1. AGM WCR- for kind information please.
2. PCE/WCR & CAO/C/WCR- for kind information please.
3. DRM JBP, BPL & KOTA- for kind information please.
4. CBE, CPDE, CE/TP, CE/G, CE/W, CE/TMC, CPM/RVNL/BPL & KOTA I & II, PD/IRCON/KTE, CE/C-I, II, III, HQ & CPM/C/Kota- for information and necessary action.
5. Sr. DEN Co JBP/BPL & KOTA- for urgent necessary action as above.