

East central Railway

Office of the
General Manager(Engg.)/Hajipur

PCE's Circular No.- 34 /2009/Works

Sub. : Provision of blanketing on formation for temporary/semi permanent diversion of track for construction of bridges etc.

1. It has been observed that in the tender specification for construction of temporary diversion of track, RDSO specification for earthwork in respect of blanketing materials are stipulated. However it is mentioned that such specifications are required to be followed for earthwork and blanketing materials in respect of permanent formation which includes permanent diversions also where trains run at a higher speed. At temporary diversion, trains are permitted at a slow speed generally at 15/30 KMPH, thus provision of blanketing material as per RDSO's specifications, is not required as per technical requirement and also to economise the cost of blanketing material thereby achieving overall economy in cost of construction of temporary diversions.
2. In view of the above following specification of earthwork & blanketing should be followed in case of temporary diversion:
 - a) Construction of formation with locally available earth considered suitable as per RDSO specification for earthwork.
 - b) Berm width of 3m should be provided in case the height of the bank is more than 6m.
 - c) Bank slope should be generally 2:1 (H:V). However the slope may be increased depending on height of the bank , type of soil used for formation & requirement as per site condition(to be specially specified).
 - d) Compaction of soil is to be ensured with suitable rollers in accordance with RDSO specification for earthwork.
 - e) 30 cm thick blanket layer with **locally available coarse sand /quarry dust/moorum** should be provided over the compacted earthwork. This blanket layer should have a minimum density index (relative density) of 70% as obtained in accordance with IS 2720 (Pt. 14)-1983 as stipulated in RDSO specification.
 - f) Survey of **locally available coarse sand/quarry dust/moorum** proposed to be used as blanket material should be done prior to calling

of tender. The source of material should be indicated in the tender document as specification so as to enable the tenderers to reasonably assess the cost of blanketing materials while quoting the rates with a view to ensure economy in cost of blanketing material and to economise the overall cost of temporary diversions.

This has got the approval of PCE.

Qual
15-06-09
(V. Kumar)
Chief Engineer/Works

Docket No. W-2/118/09/Works Policy/ 310
Date- 30.06.09

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1. CAO/Con/N/MHX, CAO/Con/S/MHX for information pl.
2. DRM/DNR, DHN, MGS, SPJ & SEE for information pl.
3. Sr. DEN/Co-ord./DNR, DHN, MGS, SPJ & SEE for information and necessary action pl.
4. All HOD/ Engg. Deptt./ECR

Niraj Kumar
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Dy. CE/ Works/HJP