

Eastern Railway  
(Construction Department)

Kolkata, dt. 16.12.2011.

NO.CAO/Con/WT/Rly.Bd's Circular

Dy.Chief Engineer/Con/E.Rly.  
HWH-I, II, III & IV, SDAH-I, II, & III,  
JB-SDAH, ASN-I, II, & III, BGP, JMP  
& MLDT.  
Dy.CSTE/Con/E.Rly.HWH, SDAH, ASN,  
& MLDT.  
Dy.CSTE/Con/E.Rly./HQ  
Dy.CEE/Con/E.Rly.HWH, SDAH,  
DEE/ASN  
Dy.CEE/Con/E.Rly./HQ.  
Dy.FA & CAO/Con/ E.Rly./I, II & III.  
Sr.AFA/Con/ASN & BGP

Sub: Delegation of power for recording measurement and test check  
in contractual works in construction organization.

Ref:1. Railway Board letter No.71/WI/CT/6 dated 16.01.86.

2. Railway Board letter No.2006/CE-II/MB/2 dated 25.05.07.

The system of recording of measurements and test check of measurements at different levels, in contractual works in Construction Organization, has been reviewed and modified as per the Annexure attached. The above instructions should be implemented with immediate effect.

This has the approval of CAO/Con.

DA: Annexure( 2 Pages).

(P.K.Jain)

CE/CON/V

for Chief Admn. Officer(Con)  
Eastern Railway /Kolkata.

COPY TO:

1. Secy. To CAO/Con for kind information of CAO/C.
2. Secy.to CAO/Con/II for kind information of CAO/C/II.
3. FA & CAO/Con/E.Rly./Kolkata for kind information.
4. Dy.CVO(Engg)/ Eastern Railway/Kolkata.
5. CE/Cons/ I, II, III, IV, VI & VII for information and necessary action.
6. CEE/Con & CSTE/Con for information & necessary action.

for Chief ADmn. Officer(Con)  
Eastern Railway/Kolkata.

Copy to all officers  
Maha  
28/12/11

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**Annexure (Page-1 of 2)**

**Note :** Delegation of power for recording measurement and test check in contractual works in construction organization.

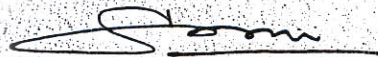
| SN  | Name of work                                                                                                                                | Measurements Recording Authority                                                                                                                                                         | % Test Check by AEN/DEN                                                                                                                                                                                                                                  | % Test Check by Dy CE/C                                                                                                                                                                                                                                                |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Earthwork/blank etting                                                                                                                      | SSE/SE/JE Cr.I & II (Independent in charge). If measurements are recorded by SE/JE who is not independent in charge in that case in charge SSE/SE/JE-I shall exercise 100% test check on | 100% test check by AEN/DEN in levels along the centre line of alignment & not less than 20% of the remaining levels of the cross section with the provision that this check should invariably be carried out in cross section having heavy cross slopes. | 10% test check of longitudinal levels in at least every alternate detailed bill.                                                                                                                                                                                       |
| 2   | Ballast and pitching (stack measurement in depot as well as on cess. For direct loading into wagon Engg Code Para- 1333 & 1332 will follow) | measurements recorded by SE/JE                                                                                                                                                           | 100% test check by AEN/DEN both in respect of stack measurement as well as quality checks.                                                                                                                                                               | 10% test check, both in respect of stack measurement and quality. At least 30 to 33% bills should be covered by test check. Bills should preferably be checked keeping an element of surprise, but in no stage more than three bills should be missed in continuation. |
| 3   | Foundation/hidden measurements & RCC/PCC works                                                                                              |                                                                                                                                                                                          | 100% test check by AEN/XEN in every bill.                                                                                                                                                                                                                | 10% test check on at least every alternate bill                                                                                                                                                                                                                        |
| 4   | All other works                                                                                                                             |                                                                                                                                                                                          |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                        |
| i)  | Works costing up to Rs. 10 lakhs only                                                                                                       |                                                                                                                                                                                          | 50% test check by AEN/DEN in every bill.                                                                                                                                                                                                                 | No test check                                                                                                                                                                                                                                                          |
| ii) | Works costing above Rs.10 lakhs                                                                                                             |                                                                                                                                                                                          | 100% test check by AEN/DEN in every bill                                                                                                                                                                                                                 | 5% test check on at least every alternate bill                                                                                                                                                                                                                         |

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DyCE/C/PRD

Note:

1. Test check by S&T and electrical Dy.CE's as proposed for Dy.CE/C's.
2. Test check by ASTE/SSTE and AEE/SEE similar to Test check of AEN/DENs
3. In case of approximate measurements, not more than 2 bills should be passed without detailed measurement and test check.
4. The test check is mandatory for the first on account bill.
5. In addition to the above mentioned mandatory test-checks, Dy.CE's in charge of work should also conduct test checks, on the works done in their jurisdictions, at their discretion irrespective of the value of work, to ensure that-
  - Correct methods for recording measurement are being adopted.
  - Works are getting executed to the specifications.
  - Correct initial ground levels are taken and recorded in cross-section for earthwork, by the staff and officers.
  - Contracts of specialized works such as costly finishes, interior and exterior decorations, etc., should preferably be covered by Dy.CEs in their discretionary checks.
6. The test check should not be restricted to one single item but should preferably spread over a few representative items.



DyCE/Con/PRD in charge