

It has been observed that the steel is being procured for the RUIDP works from different vendors. Though the EE, IPIUs are required to satisfy themselves on the basis of test certificates issued by the vendor/manufacturer for the steel procured from different sources. To further ensure the quality of the steel, it is directed that:

1. The EE, IPIUs should collect three specimen samples of steel bars in his presence (about 1.0 m in length - ) of different sizes of different vendors and send the required sample to National Test House, Plot No. 763, Road no. 9F1, VKI Area, Jaipur-302013 of Govt. of India.
2. The samples should be properly marked for their identification (Manufacturer firm, Package number, Lot number and place of utilization).
3. The norms laid down in relevant IS Code no. 1786-1985 (amended up to date) of steel should be referred for procurement of steel.
4. The following methodology for testing of steel should be adopted:
  - a. under 10 mm dia bars - 1 sample test for each 25 tonne or part there of
  - b. 10 mm to 16 mm dia bars - 1 sample test for each 35 tonne or part there of
  - c. Over 16 mm dia bars - 1 sample test for each 45 tonne or part there of
5. The following tests should be done for each sample:
  - (a) Mass per meter run (kg)
  - (b) Tensile Test
    - i. Yield Stress (N/sq.mm)
    - ii. Elongation (%)
    - iii. Tensile Strength (N/sq.mm)
  - (c) Bend Test
  - (d) Re-bend Test
  - (e) Chemical Composition (% by mass)
    - i. Carbon
    - ii. Sulphur
    - iii. Phosphorus
    - iv. Sulphur & Phosphorus
6. The samples should be send within three days of the receipt of the material at site and the tests should be witnessed by the AEn of the concerned IPIU or representative of the DSC. The results should be examined by the EE, IPIU and package wise proper record should be kept.
7. The observations should be highlighted in the next monthly review meeting of IPIU for any test failure.

no 25409-459

dt/5-1-11  
(Vaibhav Galriya)  
Project Director

Copy to following for information and necessary action:

1. Addl. PD / FA/ ACE (T)/ Dy. PD (Adm.)/SE (Co-ord)/ SE (WW)/ NLCP/ (WS) /UIDSSMT/ (R&B)/ PO (all)/ Sr. AO / All APOs / AAO/ PA to PD PMU, RUIDP, Jaipur.
2. Executive Engineer, IPIU, RUSDIP, Alwar, Baran, Barmer, Bharatpur, Bundi, Chittorgarh, Churu, Dhaulpur, Jaisalmer, Jhalawar-Jhalrapatan, Karauli, Nagaur, Rajsamand, Sawai Madhopur and Sikar.
3. Team Leader IPMC, Jaipur/ DSC-I, Bharatpur/ DSC-II, Nagaur/ DSC-III, Jhalawar, RUSDIP.
4. DSC-I, Alwar/ Dholpur/ Karauli/ Sawai Madhopur, DSC-II, Churu/ Jaisalmer/ Barmer/ Sikar and DSC-III, Chittorgarh/ / Rajsamand/ Bundi/ Baran, RUSDIP.
5. ACP, RUIDP, Jaipur to send by e-mail.

Additional Chief Engineer (T)