



**Dr. I.K Pateriya**  
**Director (P-III)**

☎: 011-26714003

☎: 011-26179555

✉: [ik.pateriya@nic.in](mailto:ik.pateriya@nic.in)

**D.O: P-10018/1/2006-Tech.**

**2<sup>nd</sup> December, 2022**

**Subject: Volumetric analysis of in-situ WBM - grading/oversize of coarse aggregates-regarding**

Sir,

Please refer to advisory dated 07.04.2015 on the subject cited above, which was later withdrawn by NRIDA vide communication dated 30.10.2015 (*copy enclosed*).

2. It has been observed in many cases that despite of withdrawal, some NQMs/SQMs are still adhering to the advisory dated 07.04.2015, which is not correct.

3. In this regard, it is again reiterated that advisory dated 07.04.2015 has been withdrawn. Thus for assessing the adequacy of quantity and composition of material used in WBM construction, the procedure for conducting the volumetric analysis as detailed in para 405.13 of the MoRD Quality Assurance Handbook of Rural Roads (*volume-II*) published by NRIDA shall be ensured by quality monitors. Accordingly, *the grading requirement of coarse aggregate as provided in clause 405.2.7 of the MoRD Specifications for Rural Roads (revised 2014) which also provides for the acceptable variation in the grading requirement after rolling and compaction of WBM layer shall continue to be enforced in the field.*

4. This is for information of all concerned.

With kind regards,

Yours sincerely,

*R. Pateriya.*

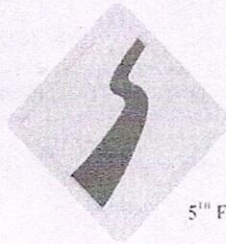
(Dr. I.K Pateriya)

**Distribution:**

Chief Engineers, all SQCs of the States & all NQMs

आई.एस./आई.एस.ओ. 9001:2008 प्रमाणित

IS/ISO 9001:2008 CERTIFIED


 राष्ट्रीय ग्रामीण सड़क विकास एजेंसी  
 (ग्रामीण विकास मंत्रालय, भारत सरकार)

 National Rural Roads Development Agency  
 (Ministry of Rural Development, Govt. of India)
5<sup>th</sup> Floor, 15-NBCC Tower, Bhikaji Cama Place, New Delhi - 110 066
 Uttam Kumar  
 Director (Projects-III)  
 ☎: 011-26714003,  
 ☎: 011-26179555,  
 ✉: uttam.basant18@gmail.com  
 D.O. # P-10018/1/2006-Tech.
30<sup>th</sup> October, 2015
**Subject: Volumetric Analysis of in-situ WBM – gradings/oversize of coarse aggregates -regarding**

Dear

As you are aware, the issue of non-conforming gradings of WBM material, post construction has been confronting the practicing field engineers for quite some time. NRRDA in the past has been receiving representations in this regard both from the field engineers as well as quality monitors engaged under PMGSY.

2. With a view to clarify the methods for testing and reporting the grading of WBM material, post construction, as indicated in the Quality Assurance Handbook, a circular dated 7<sup>th</sup> April, 2015 was issued by NRRDA. However, instances have come to our notice that the wordings of the aforesaid letter has given a space to some of the field engineers to interpret it in a way that provides leeway to depart from the grading requirement of the course aggregate as specified in the MoRD Specifications for Rural Roads, which actual was not intended.

3. Therefore, after careful consideration, it has now been decided to put the circular dated 7<sup>th</sup> April, 2015 on the above referred subject in abeyance and *the grading requirement of course aggregate as provided in clause 405.2.7 of the MoRD Specifications for Rural Roads (revised 2014) which also provides for the acceptable variation in the grading requirement after rolling and compaction of WBM layer shall continue to be enforced in the field.*

4. However, for assessing the adequacy of quantity and composition of material used in WBM construction, the procedure for conducting the volumetric analysis as detailed in the para 405.13 of the MoRD Quality Assurance Handbook of Rural Roads (*Volume-II*) published by NRRDA shall be ensured by Quality Monitors.

5. This issues with the approval of Joint Secretary (RC) & DG (NRRDA).

With regards,

Yours sincerely,

 2/3/2015  
 30/10/15  
 (Uttam Kumar)
**Distribution:**

Chief Engineers, State Quality Coordinators of all States &amp; All National Quality Monitors