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OFFICE OF THE CHIEF ENGINEER (ROADS), P.W.D., RAJASTHAN JAIPUR

No.F.7()/Sec.II/PMGSY-Cir/JD-510

Dated : 22.01.2002

CIRCULAR

Sub:- Quality Control on P.M.G.S.Y. Works.

As you may be aware that in the PMGSY works the defect liability period and the maintenance liability period of the contractors is 5 years. To achieve this object, we have to maintain certain standards of the quality control. The following steps are hereby suggested :-

1. There should be a complete control on the compaction of the earth work right from the first layer to the top layer of the sub grade. The Executive Engineers should make themselves assured that the density is achieved 100% at the top level and 95% at the layer under-neath (of the Proctor density achieved in the Lab.) and the frequencies of the tests have been specified in the Quality Control Manual of the I.R.C., you may test and keep a complete record.
2. There should be proper drainage at all levels i.e. surface of the road, side drains and should have proper shoulders, so that, there may not be any stagnant water on the formation.
3. There should be a proper compaction of each layer of the WBM. Please make sure of compaction at each stage. If possible, you may check the CBR (Field) of each layer, from time to time.
4. There should be a proper tests of bitumen i.e. viscosity of the bitumen should be taken at the mixing time and make sure that it is 80/100 bitumen and meets all quality control specification as given in the IRC Manual.
5. There should be proper temperature control while laying tack coat, priming coat on the WBM.
6. You should also try to plant some trees along the road side of any nature, may be fruits or may be of general nature. It is not necessary the trees should be spread over

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the whole length, but it may be limited to the few reaches where the water is available.

- 7. All the quality control tests should be ensured at all stages. For any negligence on your part, you will be held personally responsible.
- 8. I may mention that the Ministry of Rural Development, will be very shortly sending the independent monitors to check the quality of the work done in the field and you have to show, all the test results which you have done, to the monitors. The monitors will themselves, be testing any test which they feel like. In case of any thing found sub-standard, this will be recorded in your APARs. The tests will not only be performed by the Supdtg. Engineers and Executive Engineers, Asstt. Engineers & Jr. Engineers, the Addl. Chief Engineers are requested to send the Quality Control Executive Engineers to the field for frequent checking on the roads and also see the quality control people do not indulge in mal-practices while testing the work. In WBM you should frequently conduct the Los angle's test, Impact test gradation and water absorption tests.
- 9. I may also add herewith quality control assurance is not achieve only by tests, but it comes through self-consciousness of engineer with regards to quality assurance and desire for quality. The same pattern should be followed for CRF works & RUP works.

[Signature]
CHIEF ENGINEER (ROADS)

Copy to the following for information and strict compliance:-

- 2 *Secretary P.W.D. / As. P.W.D. / CE N.M.R.* Addl. Chief Engineer, P.W.D. Region _____ (All)
- 2 Supdtg. Engineer, P.W.D. Circle _____ (All)
- 4 Executive Engineer, P.W.D. Dn. *Dist. North Tripura* _____ (All)

The copies of this circular must be made available to all his Assistant Engineers and Junior Engineers.

note:- This is enclosure of this office circular.
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