



Alka Upadhyaya
Joint Secretary (RC) & DG, NRIDA
Tel No: 23384707
Fax No: 23386173



ग्रामीण विकास मंत्रालय
ग्रामीण विकास विभाग
भारत सरकार
कृषि भवन, नई दिल्ली-110114
Ministry of Rural Development
Deptt. of Rural Development
Government of India
Krishi Bhavan, New Delhi-110114

DO# PO10(18)/2/2016-Dir(Tech)

Dated: 27 .11.2018

Dear Madam/Sir

Ministry had issued detailed Guidelines on New Technology initiatives under PMGSY in May 2013 for the use of new technologies, non-conventional materials, promoting the use of locally available materials and industrial wastes etc in PMGSY roads. It is mandated that all PMGSY proposals should have at least 15% of roads to be constructed using new technology. The adoption of such technologies provides multiple benefits including reduction of cost of construction, reduction in time, reduces use of natural resources, reduces the CO₂ emissions and allows the construction in adverse weather conditions.

As per Para 3.1.2 of New Technology Initiative Guidelines, for IRC Accredited materials/technologies, it is necessary to obtain warranty of performance and stability in price regime for the product from the technology provider/industry even though performance analysis from elsewhere has shown satisfactory results. States are aware that, a MoU must be signed between NRIDA, SRRDA and the material /technology provider for the purpose of Performance evaluation of these roads for a period of 18 months after construction of roads. The provision of fee to the tune of 2.5 percent of project cost (excluding structures) for preparation of DPRs and performance monitoring by Material Supplier/ Technology Provider through a Technical Expert, as proposed in the draft MoU, will be applicable with prior approval of MoRD in first few cases in each State and will be released by MoRD. A draft MoU was also communicated to the States.

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It is to inform that, so far 4,850 Km length of roads works have been sanctioned to various State Governments since 2015-16 using IRC Accredited materials/technologies such as Nano technology, Ecogreen probase system, Coir Geo-textile, Jute, Terrazyme, Evocrete, Terrasoil, RBI Grade 81, Iron slag, Soiltec, Techgrid, Tenax 3D, Zycosoil etc. It is observed from OMMAS that, certain works were completed without signing MoU and it is not known whether the performance of such roads is being evaluated or not. If the performance of these technologies are not evaluated properly, there is no benefit of proposing works with new technologies and if the technologies are implemented successfully and performed well in field as compared to conventional technology, the implementation of such technologies should be scaled up in the States/Country. The scaling up would require preparation of detailed specifications and Rate analysis and approval by the competent authority. NRIDA will take the lead in bringing up the matter with IRC for preparation of Codes/Specifications for such technologies. The absence of systematic performance evaluation would render such tasks difficult.

In view of the above, you are requested to direct the officers concerned to send the MoUs for the roads sanctioned using IRC Accredited Technology/Materials to NRIDA before 31.12.2018. Further, if the materials are supplied by the technology provider to PIUs/SRRDAs without signing of tripartite agreement, it would be viewed very seriously, leading to be further sanctions under the said technology.

with warm regards

Yours sincerely

Alka
(Alka Upadhyaya)

To,

**All Principal Secretaries/ Secretaries I/c of PMGSY
All CEOs/Chief Engineers, SRRDA**

Copy to

**The Secretary General, IRC, Sector-6, RBI Colony, Kama Kothi Marg, R.K. Puram, New
Delhi – 110022.**