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30/12/20

GOVERNMENT OF KERALA

No.Insp.Tech-2/121/2020-FIN

Finance(Inspection -Technical -Wing) Dept.,  
Bank Employees Union Buildings,  
Pulimoodu, Thiruvananthapuram - 1.  
Dated: 10/12/2020.

To

1. The Chief Engineer(Roads), PWD, Tvpm - 695033.
2. The Chief Engineer(LSGD), Tvpm - 695033.
3. The Chief Engineer, HED, Kamaleswaram, Tvpm - 695009.

Sir,

Sub:- Road Restoration works after laying KWA pipe lines - Reg.

Ref:- Site inspection conducted by FIW(T) officials.

Please refer to the above. During inspection of various road restoration works arranged by PWD and LSGD in the State, it was observed that back filling the trenches digged by KWA for pipe lines were done with costly granular materials like GSB, WMM, etc. for the full depth of about 60cm after removing the earth filled by KWA.

However, even after filling with GSB/WMM for a depth of 60cm, settlements are noticed in road surfaces due to inadequate compaction.

Therefore, in order to ensure economy and to avoid settlement of road surfaces executed as roads restoration works in SH / MDR / ODR, the following guidelines are suggested for issue to all concerned:-

1. KWA shall arrange to back fill the trench with serviceable excavated earth, after laying the pipelines, in 20cm thick layers each with proper compaction using rollers of appropriate capacity. The concerned PWD Engineers shall confirm the same.
2. For road restoration works, further excavation of trench may be done for a depth of 30cm.


3. Loosening the earth inside the trench for a depth of 30cm and compaction with roller of appropriate capacity at optimum moisture content.
4. Providing GSB & WMM in layers of compacted thickness @ 15cm each with proper compaction of each layer with power roller.
5. The surplus earth, if any, shall be disposed through public auction or to be issued to the contractor at local market rates.

Yours faithfully,

S. HARIKUMAR,  
Chief Technical Examiner &  
Ex - Officio Secretary to Government.

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Approved for Issue

  
ACCOUNTS OFFICER.