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

No. EE/Rd-8/PMSG/ST/Op30-1926 Date 30th June 2003

The Addl. Chief Engineer (All)
P.W.D., Rajasthan,
Jaipur.

Sub: Preparation of estimates for PMGSY work:

Sir,

You must be aware that estimates for PMGSY works for connecting habitations up to 1000 & above were to be prepared by 31st of May, 2003 and for connecting villages between 800 to 999 by 15th of June, 2003. These estimates are still awaited. However, some of the districts have brought a few estimates. The major observations on these estimates are as given below. There are some observations which were made by MoRD are also included in these observations.

1. Proper topographical surveys, soil investigations and traffic assessment are very important for preparation of Detailed Project Reports but this aspect needs attention of the State authorities.
2. For designing the crust, the CBR values should not be assumed but adequate testing should be done.
3. The design of horizontal curves and vertical curves needs to be done with due care.
4. There is a need to encourage the use of local materials, industrial wastes and soil stabilization techniques and the STAs should play a proactive role in this regard.
5. L-Section, X-Section and plan are basic requirement of the DPR.
6. Check list as per direction of MoRD is to be furnished with the estimates.
7. Presently packaging of road works is not required.
8. CBR tests for each km are required.
9. Drains to be provided where ever required in village portion.
10. Adequate width of CC/stone pavement to be provided in village portion. To justify this Plane Table Survey of village portion is required. The length of CC/stone pavement should be length of village portion plus 50 m on either side.
11. Crust design (as per SP 20 Rural Road Manual).
12. Annual traffic growth to be taken as 5% as per Rural Road Manual.
13. Estimates in STA format.
14. Maps should be for individual roads.
15. Grade line to be shown in L-section.
17. Traffic survey or traffic assessment to be enclosed. Flushing causeway should be superimposed over existing cross section of Nullah.
18. Core network references need to be mentioned. Availability of Land width needs to be mentioned.

Due attention should be given to these points while submitting the estimates to this office for checking.

Yours faithfully,

Chief Engineer