

OFFICE OF THE CHIEF ENGINEER, PWD, RAJASTHAN, JAIPUR

No. EE(OMMS)/RM 40/24/0-109

DATED: 04-10-20

THE INCHARGE PIU  
Superintending Engineer  
Public Works Department  
Circle: *Rural, Jaipur*

THE INCHARGE PIU  
Executive Engineer  
Public Works Department  
Division:

Sub : Development and operationalisation of computerized database for Rural Roads in GIS environment for effective management of PMGSY and various state level programmes : Regarding Pilot Project of GIS for the state of Rajasthan.

Sir,

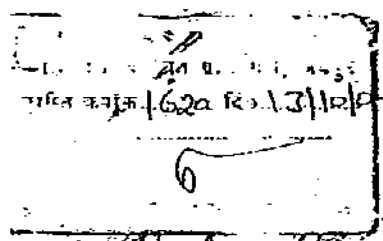
You will be glad to know that Rajasthan State has been selected for implementation of Pilot Project on "Development and operationalisation of computerized database for Rural Roads in GIS environment for effective management of PMGSY and various state level programmes" by MoRD and the above work has been assigned to C-DAC, Pune by NRRDA. This is a time bound World Bank Funded Project and its success depends upon effective participation by the state along with timely submission of requisite information to C-DAC.

To develop OMMS interface with the proposed GIS, following actions are urgently required at your level :-

1. Correction of all spellings of habitations in the Form-1 of OMMS with respect to the corresponding spellings in the Census Book.
2. Preparation of DRRP on Survey of India Maps in scale 1:50000 along with marking of quarry sites in the standardized legend as per guidelines of MoRD i.e. IRCSP20. Three copies of maps may be prepared by each PIU so that one copy each may be used by C-DAC, CE's Office and PIU respectively. A copy of legend to be followed is enclosed for ready reference.

This may be noted that previously Core Network (which is a subset of DRRP) was marked on each block map of GT sheet as per guidelines of MoRD whereas for optimum utilization of GIS, complete DRRP is to be marked accurately on each GT sheet pertaining to PIU concerned.

3. All habitations of the SOI Topo Sheet should normally appear in the Habitation Master on OMMS unless the habitation no more exists due to area under submergence / migration of all habitants etc. This is required to be ensured while preparing Topo Sheets with DRRP marked on it.



*Urgent!*  
*AE (CD) RM*

*TA 2 pleachante*  
*copy to EE I Div for RM 40/24/0-109/10*  
*4053*  
*16-10-20*

*S. E. P. W. D.*

*500*

*23/7/20-20*  
*12-10-20*  
*Mogul Singh*

*Inwarded to A. G. S. B. D. E. S. L.*  
*11/10/20*

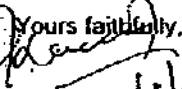
*16/10/20*  
*7/1*  
*enclosure*

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You are requested to kindly take immediate action on the above two issues and submit compliance report by 30-10-2004 positively. As the accuracy in marking various alignments of roads pertaining to DRRP shall be of vital importance for GIS, it needs to be personally checked at your level, signed and then submitted to this office through the concerned ACE.

Any further clarification in this regard can be obtained from SE(PMGSY) Shri Anoop Kulshreshtha, EE-V.

Yours faithfully,  
  
(H.L. MINA) 4/10/2004  
CHIEF ENGINEER, PWD

Copy to the Additional Chief Engineer, PWD, Zone : \_\_\_\_\_ (All) for information with the direction that above work may be monitored at your personal level for timely submission of compliance report along with prepared SOI sheet with DRRP duly marked.


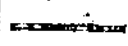

  
CHIEF ENGINEER, PWD  
4/10/2004



### Guidelines to provide maps depicting DRRP and Core Network plan

1. All features should be traced on the polyester tracing film using Rotring Pens.
  - a. Rotring pens of 0.5 mm, 1 mm and 2 mm should be used. Ink for all basic colors is also available.
  - b. Tracing film should be 75 micron thick. Tracing film of 'Garware' brand is commonly preferred.
  - c. Outer boundary of SOI toposheet should be traced with 0.2 mm thickness Rotring Pen.
2. Tracing should be done with the guidelines (legend) provided below.
3. Information should be provided toposheet wise and not block wise.
4. Habitation which are not to be included should be struck off on the map itself.
5. Map should be thoroughly checked before making it available to C-DAC for digitization.

### Major roads/Railway

Type	Symbol	Style	Thickness	Color	Remarks
National highways		Solid line	2 mm	Black	Single thick line at the centre of NH shown on toposheet. Text 'NH' to be mentioned along line after gap of 10 cm
State highways		Solid line	1 mm	Black	Single thin line at the centre of shown on toposheet. Text 'SH' to be mentioned along the line after gap of 10 cm
Railways		Solid line with cross bars	0.5 mm	Black	Interval between cross bars = 2 mm

Other roads

Road category	Symbol	Colors for surface condition				Remarks
		BT	WBM	Gravel/ Brick soling	Earthen	
MDRs		Red	Green	Violet	Cyan	Length of bars = 2.5 mm, Width 2 mm, Interval between bars = 2 mm
ODR/VRs		Red	Green	Violet	Cyan	Length of bars = 2.5 mm, Width 1 mm, Interval between bars = 2 mm, Diameter of dot = 1 mm
Any other VRs		Red	Green	Violet	Cyan	Diameter of dot = 0.5 mm, Interval between dots = 1 mm

Other features

Feature	Symbol	Remarks
Cross drainage		Line width = 1 mm, color black
Water bodies		Line width = 1 mm, color black

Boundaries

Feature	Symbol	Remark
District boundary		Length of bars = 5 mm, Width 1 mm, Interval between bars = 3 mm, Diameter of dot = 1 mm, Color black
Block boundary		Length of bars = 2 mm, Width 0.5 mm, Interval

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	between bars = 1 mm, Diameter of dot = 0.2 mm Color black
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**Habitation**

Description	Symbol	Colour	Remarks
>=1000	●	Black (filled)	Dots to be marked at the center of habitation shown on toposheet. In case of new habitation or changed name of habitation, the text should be written at top right position of the dot. Dot diameter = 1.5 mm
500-999	●	Red (filled)	do
250-499	●	Blue (filled)	do
<250	○	Green (filled)	do
Block/Tehsil Headquarter	⊞	Black	Names to be written top right position of symbol. Line width = 0.5 mm, size: 1.5x1.5 mm.
District headquarter	▲	Black	Names to be written top right position of symbol. Line width = 0.3 mm, size: Triangle should fit in 1.5x1.5 mm box

**Other features**

Feature	Symbol	Remarks
Place of tourist/religious and historical importance	⊗	Line width = 0.3mm, color black
Quarry site	QS 	Line width = 0.3 mm, color black