

**Observations Regarding of Environmental Issues
on DPRs for Rural Roads Under CMGSY-MPRCP**

**1. DPR for Navegaon to Pathkheda in Chhindwara Block of Chhindwara District,
Consultant : IDC**

On perusal of DPR, it appears that environmental issues have been addressed in DPR. Photographs of road alignment are given with chainages describing surroundings of the road. Transect walk has been carried out and documented. However, PIU did not participated in transect walk. The following observations are noted on review of the DPR.

- Refer Section 1.6 The Project Road at page 3, it is mentioned that “*The road passes through mainly **rolling & hilly terrain***” while Section, 2.2 Design speed says “*The road is designed for a ruling speed of 50 kmph, (Minimum speed of 40 kmph) being located in **plain area***”. In Section 8.5 Roadway Width, terrain classification for this road is given as **plain & rolling, mountainous and steep**. In Section 8.10 Radius of Horizontal Curve, terrain is mentioned as **plain**. In Section 16.1 Alignment at Page 66 and ‘Rural Road : Environmental Checklist’ at Page 68, the Consultant has written **plain** terrain along the road. The consultant needs to maintain consistency about the information given in the DPR. There should not be any contradiction about information given in the DPR.
- Refer ‘Section 11 Protection work’ and drainage, Subsection 3 Protective Works, the Consultant has mentioned that ‘provision of toe wall and dry stone pitching is made to protect embankment’ but no information is given in this regard in Table 11.1.
- Refer Section 16.1 Alignment, in point number 5 of Table, the Consultant writes the “No flooding along the road” but in point 9 of ‘Rural Road: Environmental Checklist’ at Page 69, Consultant mentions that “there will be flooding at some locations. Needs attention to make consistency in the information to avoid such type of contradictory statements. The consultant needs to give correct information in this regard.
- Page 72, List of Trees – The consultant has not mentioned, whether these trees will be impacted or not? Need attention for clarification by the consultant.
- **Environmental Screening Checklist Format:** The consultant has filled and enclosed ‘Rural Roads: Environmental Checklist’, which by & large covers environmental aspects for the project road. However, this checklist is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

2. DPR for Devri to Bichhiya- Block of Dheemarkheda in Katni District. Consultant : IDC

On perusal of DPR, it appears that environmental issues have been addressed in DPR. Photographs of road alignment are given with chainages describing surroundings of the road. Transect walk has been carried and documented. However, PIU did not participated in transect walk. The following observations are noted on review of the DPR.

- Refer Section 1.6 The Project Road, at page 4. It is mentioned that “The road passes through mainly **plain** terrain”. Section, 2.2 Design speed also says “The road is designed for a ruling speed of 50 kmph, (Minimum speed of 40 kmph) being located in **plain** area”. In Section 8.2 Terrain, the Consultant has mentioned that for this road, terrain is **plain/rolling/hilly/steep**. In Section 16.1 Alignment at page 62 and ‘Rural Road : Environmental Checklist’ at Page 64, the Consultant has written **plain** terrain along the road. From photographs, terrain along the road appears plain. The consultant needs to maintain consistency about the information given in the DPR. There should not be contradiction about information given in the DPR.
- Refer Section 16.1 Alignment. In point number 5 of Table, the Consultant writes “No flooding along the road” but in Point 9 of ‘Rural Road: Environmental Checklist’ at Page 65, Consultant mentions that “there will be flooding at some locations. Such types of contradictory statements made in DPR are creating confusion. The consultant needs attention to make consistency in the information provided in DPR.
- **Environmental Screening Checklist Format:** The consultant has filled and enclosed Rural Roads: Environmental Checklist, which by & large covers environmental aspects for the project rural road. However, this checklist is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

3. DPR for Jasraj to Pipariya Ramwan Road District Sagar, Consultant : Magalam Associates

On perusal of DPR, it appears that consultant has prepared DPR by editing/updating information in old PMGSY DPR. Therefore, many places reference of PMGSY is observed in DPR. The following observations are noted on review of the DPR.

- “Section 16: Environmental Issues” has been copied from old PMGSY DPR. No road specific information about environmental issues in rural road is available in DPR. Format given by World Bank Team during Feb 2016 mission for “Section 16: Environmental Issues” and Environmental & Social Checklist –Roads & Bridges have not been followed.
- In Section No. **16 - Environmental Issues**, General description is given about alignment, environmental sensitive area, construction camp, permit/clearance required prior to commencing of civil work, borrow area, erosion control, drainage, use of material, many things of which are not applicable. No road specific information is given in this section about environmental conditions, anticipated impacts and mitigation measures and applicable NOC or permissions.
- In sub section **16.2 Environmental Sensitive Area (National Park, Wildlife Sanctuary, Protected/Reserved Forest, Wet land** - A generic statement is given. No specific detail is given whether any National Park, Wildlife Sanctuary, Protected/Reserved Forest, wet land etc are located within 1 km from the project road. The Consultant needs to clearly mention whether such environmental sensitive areas exist within 1 km or not.
- In Sub-section **16.4 “Permit/Clearance required prior to Commencing of Civil Work”**- there is reference of old regulatory requirements, which are not applicable to rural roads under CMGSY –MPCRP. For example, in first bullet- it mentioned that “No Objection Certificate will be taken by the Contractor from SPCB (State Pollution Control Board), which is not true. In fact, no such NOC is required for any rural roads.
- In second bullet, the consultant needs to clearly mention that whether forest land is involved in the project or not. If forest land is involved in project road, only then diversion of forest land will be required, otherwise it is not required.
- In forth bullet, replace “This will for the project” by the following paragraph.
- “For borrowing of earth and to open new stone quarry for the project road, environmental clearance will be obtained by the Contractor from District Level Environmental Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) or other competent authority as applicable.”

- In Sub-section 16.6, the Consultant needs to mention, whether any erosion prone area along the road and where erosion control protection work is required.
- In Sub-section 16.7, the consultant needs to mention, location of culvert based on hydrological study, irrigation pipe crossing and length of road side drain proposed in the road based on transect walk.
- Whatever DPR has been submitted by DPR Consultant, is having contradictory and irrelevant information. For example as district name as Sagar and Guna District mentioned, (which one is correct?), reference of Pradhan Mantri Gram Sadak Yojna (PMGSY), Ministry of Rural Development, Govt. of India, different terrain along the road at different places, etc have been mentioned in DPR. The consultant needs to carefully check DPRs to correct such discrepancy.
- Scanned transect walk resolution contains only generalised 3 points. Transect walk summary, photographs of transect walk, strip map showing features along the road, consultation details are missing and need to be provided properly.
- **Environmental Screening Checklist Format:** The consultant needs to provide duly filled Environmental Social checklist – Road & Bridges as given by World Bank team to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

4. DPR for AB Road to Sakonya District Sagar, Consultant : Magalam Associates

Section 16: Environmental Issues has been copied from old PMGSY DPRs. No road specific information about environmental issues is available in DPR. Format given for Section 16 and Environmental & Social Checklist –Roads & Bridges have not been followed.

- In DPR prepared by Consultant in the Section No. **16 - Environmental Issues**, General description is given about alignment, environmental sensitive area, construction camp, permit/clearance required prior to commencing of civil work, borrow area, erosion control, drainage, use of material, many things of which are not applicable. No road specific information is given in this section about environmental conditions, anticipated impacts and mitigation measures and applicable NOC or permissions.
- In sub section **16.2 Environmental Sensitive Area (National Park, Wildlife Sanctuary, Protected/Reserved Forest, Wet land** - A generic statement is given. No specific detail is given whether any National Park, Wildlife Sanctuary, Protected/Reserved Forest, Wet land etc are located within 1 km from the project road. The Consultant needs to clearly mention whether such environmental sensitive areas are available within 1 km or not.
- In Sub-section **16.4 “Permit/Clearance required prior to Commencing of Civil Work”**- there is reference of old regulatory requirements, which are not applicable to CMGSY –MPRCP. For example, in first bullet- it mentioned that “No Objection Certificate will be taken by the Contractor from SPCB (State Pollution Control Board), which is not true. In fact, no such NOC is required for any rural road.
- In second bullet, the consultant needs to clearly mention that whether forest land is involved in the project or not. If forest land is involved in project road, only then diversion of forest land will be required otherwise it is not required.
- In forth bullet, replace “This willfor the project” by the following paragraph.
- “For borrowing of earth and to open new stone quarry for the project road, environmental clearance will be obtained by the Contractor from District Level Environmental Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) or other competent authority as applicable.”
- In Sub-section 16.6, the Consultant needs to mention, whether any erosion prone area along the road and where erosion control protection work is required.

- In Sub-section 16.7, the consultant needs to mention, location of culvert based on hydrological study, irrigation pipe crossing and length of road side drain proposed in the road based on transect walk.
- Whatever document has been submitted by DPR Consultant, is having contradictory and irrelevant information. For example as district name as Sagar, Guna and also Satna District, (which one is correct?), reference of Ministry of Rural Development, Govt. of India, different terrain along the road at different place, etc have been mentioned in DPR. The consultant needs to carefully check DPRs to correct such discrepancy.
- The consultant has attached Transect Walk Summary for different road in District Raisen (Chandoniganj to Bandoli road), which is indication of cutting pasting work in DPR. The consultant needs to provide Transect Walk details including minutes of transect walk, photographs of transect walk, signatures sheet, strip map, etc.
- **Environmental Screening Checklist Format:** The consultant needs to provide Environmental Social checklist – Road & Bridges as given by World Bank team to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

5. DPR for Barotha Road To Sarpatti District Dewas, Consultant : Engineering Consultant and Technocrats

Environmental issues have been addressed in DPR. Photographs of the road alignment are given with chainage. The following observations are noted on review of the DPR.

- At places in DPR, it is mentioned that terrain along the road flat/ plain. However, in ‘Rural Roads : Environmental Checklist’ at point 1, the Consultant has written that rolling/ plain terrain along the project road. The consultant needs to maintain consistency about the information given in the DPR. There should not contradiction about the information given in the DPR.
- In Section 16.1 Alignment, it is mentioned that there is flooding at Ch-2690, 3470. However, in ‘Rural Roads: Environmental Checklist’ at point 9, the Consultant has written that there is no flooding along the project road. The consultant needs to maintain consistency about the information given in the DPR. There should not contradiction about information given in the DPR.
- The consultant has mentioned that transect walk details are given in Annexure 1. However, Annexure 1 is not available with the DPR sent for review. The consultant needs to provide Transect Walk details including minutes of transect walk, photographs of transect walk, signatures sheet, strip map, etc.
- In “Rural Roads : Environmental Checklist”, details are given for 32 trees along the project rural road. However, consultant has not clearly mentioned, whether these trees will be affected or not.
- **Environmental Screening Checklist format:** The consultant has filled and enclosed ‘Rural Roads : Environmental Checklist’, which by & large covers environmental aspects for the project rural road. However, this checklist is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

6. DPR for Chandoniganj To Bandoli, Block-Gairatganj, District Raisen, Consultant : Nayaks Syndicate

The following observations are noted on perusal of DPR:

- Refer Section 1.6 The Project Road, it is mentioned that “*The road passes through plain & rolling terrain*”, However, in point 1 of ‘Rural Roads : Environmental Checklist’, the consultant has written **plain** terrain along the project road. The consultant needs to maintain consistency about the information given in the DPR. There should not contradiction about information given in the DPR.
- Refer Section 2.13: Site Photograph has left blank. No photograph is given.
- Refer Figure-4 Strip plan showing alignment details. Same has been left blank without any details.
- The consultant has mentioned that Transect Walk has been carried out. However, minutes of transect walk, photographs of transect walk, signatures sheet, strip map, etc, have not been enclosed with DPR.
- Drawing of logo, logo sign board, sign boards and Km stone are for Pradhan Mantri Gram Sadak Yojana (PMGSY), not for CMGSY. This is copy paste work from old PMGSY DPRs. Same needs to be corrected by the consultant appropriately.
- **Environmental Screening Checklist format:** The consultant has filled and enclosed Rural Road Environmental Checklist, which is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

7. DPR for Amahi Kachnar Road To Mudra, Block -Ashok Nagar, District Ashok Nagar, Consultant :Strength Consulting associates

The following observations are noted on perusal of DPR:

- In Section 8.2:Terrain, It is mentioned that “*for this road terrain is plain/rolling/hilly/steep classification for which following criteria will be applicable*”, while in Section 1.6 : The Project Road states “The road passes through mainly plain terrain”. Section 16.1: Alignment also mentions that terrain along the project road is plain but in ‘Rural Roads: Environmental Checklist’, the consultant has written plain/rolling terrain along the project road. However, photograph of rural road indicates that terrain is plain. The consultant needs to maintain correctness and consistency about the information given in the DPR. There should not be contradiction about information given in the DPR.
- The consultant has mentioned that Transect Walk has been carried out. However, minutes of transect walk, photographs of transect walk, signatures sheet, strip map, etc, have not been enclosed with DPR.
- **Environmental Screening Checklist format:** The consultant has filled and enclosed Rural Roads: Environmental Check list, which by & large covers environmental aspects for the project rural road. However, this checklist is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.

8. DPR for Garoth- Bolya Road To Farnyakhedi, Block Garoth, District Mandsaur, Consultant :Strength Consulting Associates

The following observations are noted on perusal of DPR:

- In Section 8.2:Terrain, It is mentioned that for this road terrain is plain/rolling/hilly/steep classification for which following criteria will be applicable”, while in Section 1.6 : The Project Road states “The road passes through mainly plain terrain”. Section 16.1: Alignment also mentions that terrain along the project road is plain but in ‘Rural Roads: Environmental Checklist’, the consultant has written plain/rolling terrain along the project road. However, photograph of rural road indicates that terrain is plain. The consultant needs to maintain consistency about the information given in the DPR. There should not be contradiction about information given in the DPR.
- The consultant has mentioned that Transect Walk has been carried out. However, minutes of transect walk, photographs of transect walk, signatures sheet, strip map, etc, have not been enclosed with DPR.
- In the Rural Roads: Environmental Checklist – The consultant has mentioned 32 trees along the road, but no mention that whether these trees will be impacted or not? Need attention for clarification by the consultant.
- **Environmental Screening Checklist format:** The consultant has filled and enclosed Rural Roads: Environmental Checklist, which by & large covers environmental aspects for the project rural road. However, this checklist is different from the “Environmental Social Checklist – Road & Bridge” as given to MPRRDA during February 2016 mission.
- The consultant needs to mention in the DPR that environmental issues in the road shall be mitigated as per ESMF and ECoPs.