Government of West Bengal Department of Panchayats & Rural Development Joint Administrative Building (6th to 9th Floors), HC-7, Sector-III Bidhannagar, Kolkata-700106

No. 142/PN/O/III/2A-4/2015

Dated : 16/01/2015

<u>O R D E R</u>

In order that the Environmental & Social considerations are integrated into planning of Gram Panchayats, the Panchayats & Rural Development Department prepared an Environmental & Social Management Framework (ESMF) & circulated the same under order No.1997-RD/O/DPF/IE-1/2009 dated 25.03.2010 with the mention that the principles laid down in the ESMF will have to be adhered to by all Gram Panchayats in this State at the time of preparation, implementation & monitoring of plans & schemes.

2. Meanwhile suggestions & feed back from different GPs, stake holders, members of Civil Societies, Panchayats functionaries & all others associated with the preparation, implementation & monitoring of plans and schemes on various issues especially for introduction of a simplified format 'B' of the ESMF have been received in this Department.

3. After taking into account the experience, suggestions stated above including the Environmental Audit Reports received so far, the question of introduction of a simplified format 'B' of the ESMF after revision of certain provisions of the existing format and introducing scope for inclusion of quarterly reports, identification of mitigation measures & also to help measuring the progress of work at a glance was under consideration in this Department for some time past.

4. After careful consideration, the Governor is pleased to order that the revised format 'B' with its Part A Part B-1 & Part B-2 as elaborately detailed on Annexure-I to this order shall be substituted for the old format B with its Part A & Part B appearing at pages from 14 to 26 in the Environmental & Social Management Framework (ESMF) for Gram Panchayats of West Bengal earlier circulated under this Department's order No.1997-RD/O/DPF/1E-1/2009 dated 25.03.2010 and the present format being Annexure-I to this order will be applicable to all the Gram Panchayats in this State with immediate effect.

5. All other provisions & principles laid down under the ESMF shall remain unchanged.

6. All concerned are being informed.

By order of the Governor,

center''

(S. Purkait) Joint Secretary to the Govt. of West Bengal

No. 142/1(78)/PN/O/III/2A-4/2015

Dated : 16/01/2015

Copy along with a copy of Annexure-I being revised format B Part A, Part B-1 & Part-B-2 of the ESMF forwarded for information and necessary action to :

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(S. Purkait)

Annexure I

Format B Part A Environmental Review Format

			To be filled up			-	L	tion Repo up quarter			
Sl. No	Nature of Work	Mitigation Measures	<i>during Planning</i> <i>Stage</i> Sl. No. Of the Planned Activity	estimated and designed with respective implemente				ented in co	he Planned Activity in compliance with the ation measures		
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
1	Road	 Conform to natural topography to reduce 									
	Construction	cut and fill and minimise changes to									
	or Repair	natural drainage pattern									
		• Avoid alignment that encroaches on									
		agricultural land, water bodies, forests									
		• Avoid taking soil from within 1.5 metre									
		of the embankment, fertile agricultural land, grazing land, land within 0.8 km									
		from the settlement and environmentally									
		sensitive areas such as wetlands, streams,									
		unstable hillsides etc									
		 Depth of the borrow pits must not exceed 									
		45 cm									
		 Road should be constructed as per traffic 									
		volume and traffic density									
		 Provision of camber for proper drainage 									
		 Provision of drainage system beside the 									
		road									
		 Provision of culverts or cross drainage 									
		work wherever necessary for adequate									
		drainage									
		 Provision of expansion joints for 									
		PCC/RCC roads									

			To be filled up					t ion Repo l ıp quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during</i> Planning Stage Sl. No. Of the Planned Activity	estimated	b. of the Pl and design mitigation	ned with re	2	impleme	o. of the Pl ented in co mitigation	mpliance	with the
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
		 Provision of construction joints for PCC/RCC roads Provision of extra widening Used of removed top soil to protect soil erosion Provide edging and re-establishing where it is damaged Provisions to implement appropriate mitigation measures for the temporary impacts including disruption of normat traffic, increased noise levels, dust generation and damage to adjacent parce of land due to movement of heavy machinery Plantation besides the road. If trees are to be felled, plantation plan for raising at least five times number of trees felled will be made and implemented. If more than 3 trees are to be felled, permission of the Forest Department will be taken Proper and safe disposal of waste during construction of road 	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1								
2	Culvert	• Catchment area should be calculated	1								
	Construction or Repair	 before construction of culvert Culvert should be at per the road level Culvert should be constructed as per traffic volume and traffic density 	r								

			To be filled up					tion Repo up quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during Planning</i> <i>Stage</i> Sl. No. Of the Planned Activity	estimated	o. of the Pl and design mitigation	ned with re	2	impleme	b. of the Pl ented in co mitigation	mpliance	with the
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
		 Provision of parapet wall and sufficient cushion Wing wall should be constructed to reduce the soil erosion Provision of weep hole at the wing wall to ensure proper seepage 									
3	Pond excavation, de-silting etc	 Site for excavation of new pond may be on barren and uncultivable land to the extent possible Provision of bank protection to check soil erosion (i.e. plantation, tile pilling, bamboo piling etc) Systematic and even deposition of soil on banks or farm lands If trees are to be felled, plantation plan for raising at least five times number of trees felled will be made and implemented. If more than 3 trees are to be felled, permission of the Forest Department will be taken 									
4	Drinking Water Tube Well - Construction Or repair	 In case the GP is in arsenic affected blocks, take necessary technical support and guidance from PHE department 									

			To be filled up					tion Repo up quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during</i> Planning Stage Sl. No. Of the Planned Activity	SI. No. of the Planned Activity estimated and designed with respective implement mitigation measures				ented in co	the Planned Activity in compliance with the gation measures		
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
		 For flood prone area, tube well should be installed above the flood level Location of tube well must be 15 metre away from soak pits or other water bodies to avoid direct runoff of waste water into the tube well Provision of parapet and a concrete mat of sufficient thickness for 75 cm radius around the tube well to seal the outer periphery Provide a channel to take away waste water (preferably to water vegetation) in order to prevent stagnation around the tube well Testing of water quality prior to commissioning of tube well as per the norms of the Public Health Engineering Department Disinfection of tube well should be done as per requirement on the basis of water testing report and also at the time of new tube well installation Provision of water testing in regular interval Abandoned tube well should be marked (by red colour) All boreholes (during abandoned etc) must be covered / capped for safety 									

			To be filled up					t ion Repo up quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during Planning</i> <i>Stage</i> Sl. No. Of the Planned Activity	estimated	b. of the Pl and design mitigation	ned with re	2	impleme	b. of the Pl ented in co mitigation	mpliance	with the
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
	Tube Well with sub- marsabel pump for Irrigation purpose	 Take permission from the District Level office of West Bengal State Ground Water Resources Development Authority (Geologist of the State Water Investigation Directorate, GoWB) for digging of any tube well or well from which water is extracted with the help of any mechanical or electrical device. Maintain a minimum distance of 200 									
	Pipe line water supply scheme	 metre between two tube wells Based on per capita demand of population water supply scheme should be designed. In case the GP is in arsenic affected block, take necessary technical support and guidance from PHE department Bend should not be provide to reduce the head loss Provision of regular maintenance or repairing. Over headed tank should be cleaned in regular basis Water testing should be done before the supply. Ensure regular water quality testing 									
7	Community Toilet Construction	 Location of the Toilet must be atleast 15 metres away from the nearest water sources If the pit is located under a foot path or a road within 3 metre distance of water 									

			To be filled up					tion Repo up quarter			
SI No	W /1-	Mitigation Measures	during Planning Stage Sl. No. Of the Planned Activity	estimated	o. of the Pl and design mitigation	ned with re	2	impleme	o. of the Pl ented in co mitigation	mpliance	with the
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
8	Anganwadi Centre or SSK or other Community Hall Construction or repair	 supply main then pit connecting pipe should be kept 1 metre below the water main Septic tank must be constructed with the air vent pipe Provision of proper ventilation and water facilities Ensure regular cleaning Promote use of toilet and use of soap Site for construction may be on barren and uncultivated land to the extent possible, fertile agricultural land must be avoided Provision of drinking water facilities Adequate provision for ventilation and natural illumination must be made Avoid use of asbestos / asbestos containing products as construction material Provision of cooking arrangement with smoke less chullah. Out let of the smoke less chullah must be enough height Provision of dustbin Provision of toilet with adequate water supply and vent pipe Institutions, schools, establishments 									
		 Institutions, schools, establishments constructed in over exploited or critical ground water zones must include 									

			To be filled up					tion Repo up quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during Planning</i> <i>Stage</i> Sl. No. Of the Planned Activity	estimated	b. of the Pl and design mitigation	ned with re	2	impleme	b. of the Pl ented in co mitigation	mpliance	with the
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
		 provision for roof top rain water harvesting on their premises. Any debris/ waste material from the construction must be disposed carefully at pre-determined waste disposal sites and must not be left lying around the construction site 									
9	Drain Construction and maintenance	 Start and end points of drain should be clearly defined Ensure proper design including slope, cross section, lining to avoid silt accumulation, backflow etc Ensure self-cleaning velocity slope to be maintained properly Ensure that drain is only for sullage. Final treatment of the sullage to convert it into harmless and reusable water (e.g. sullage stabilization ponds, oxidation ponds, sedimentation and filtration etc) Bend should not be provide to reduced silting Provision of longitudinal and cross drainage as per requirement Surplus soil during the construction will be utilized appropriately or disposed without blocking water courses 									

			To be filled up					t ion Repo ip quarter			
Sl. No.	Nature of Work	Mitigation Measures	<i>during</i> Planning Stage Sl. No. Of the Planned Activity	estimated	and design	f the Planned Activity d designed with respective igation measures			Sl No. of the Planned Activ implemented in compliance with mitigation measures		
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1	2	3	4	5	6	7	8	9	10	11	12
		 Periodic cleaning and silt removal from the drain 									
10	Field Irrigation channels – excavation, maintenance	 Depth of channel should be as per demand Ensure self-cleaning velocity slope to be maintained properly Reinforcement of the bunds to check soil erosion Surplus soil will be utilized appropriately or disposed without blocking water courses 									
11	Canal Bank Strengthenin g										
12	Social Forestry or Nursery	 Take technical support from the field offices of the West Bengal Comprehensive Area Development Corporation (WBCADC), Krishi Viggan Kendra, 									

			To be filled up					t ion Repo up quarter				
Sl. No.	Nature of Work	Mitigation Measures	<i>during Planning</i> <i>Stage</i> Sl. No. Of the Planned Activity	Sl. No. of the Planned Activity estimated and designed with respective mitigation measures Sl No. of the Pl implemented in co mitigation							mpliance with the	
				1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
1	2	3	4	5	6	7	8	9	10	11	12	
		 District Horticulture Officer or the Divisional Forest Officer for selection of suitable species and fertilizer scheduling Avoid use of pesticides that are hazardous Ensure that proper safety gear is used while handling pesticides 										
13	Land Development	 Choose land treatment relevant to the type of land degradation Take technical support from the office of the Water Investigation and Development Department, Krishi Vignan Kendra, Divisional Forest Officer etc as per need If trees are to be felled, plantation plan for raising at least five times number of trees felled will be made and implemented. If more than 3 trees are to be felled, permission of the Forest Department will be taken 										
14	Solid Waste Management	 Scheme should be prepared based on generation of rural solid waste Ensure that the collection of solid waste is done at household level or street, market place, marriage hall Ensure that a depot or place identified and earmarked for dumping of solid waste Ensure that all the biodegradable waste should be composted at the community level by identifying a community 										

			To be filled up					tion Repo up quarter			
Sl. No	Nature of Work	Mitigation Measures	during Planning Stage	Sl. No. of the Planned Activity estimated and designed with respective mitigation measures 1 st Qtr 2 nd Qtr 3 rd Qtr 4 th Qtr				mitigation measures			
1	2	3	4	5	<u> </u>	7	8	9	10	11	12
15	Any other activity which is taken under forest area or coastal regulation zone area or activities are not listed in	 Safe disposal of waste Recyclable material should be reused Provision of soak pit for safe disposal of sewage water Provision of running water facility and toilet facility Provision of personnel protective equipment for the worker/staff Technical support from the line department concerned with that activity must be taken and Environmental Assessment as per Format C has to be conducted 									

Part B-1 (Review Certificate during Planning Stage)

We confirm that

- All the activities in the plan have been checked
- None of the proposed activities are listed in the Format A
- All the identified mitigation measures will be implemented
- No Child labour will be involved
- Any object of archaeological, cultural, historical or religious significance found during the scheme implementation will be deposited with the district collector

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Person Responsible for Environmental and Social Review (Nirman Sahayak or Executive Assistant)	Finance and Planning Sub-Committee
Name:	Name:
Designation:	Designation:
Signature:	Signature:
Date:	Date:

Part B-2 (Review Certificate during Implementation Stage)

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Month :	Month :	Month :	Month :
Name of the NS:			
Signature:	Signature:	Signature:	Signature:
Date:	Date:	Date:	Date: