



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
Manila

097. 13 DPWH  
02-23-2015


**FEB 20 2015**

DEPARTMENT ORDER )  
No. 23 )  
Series of 2015 *MMSS 02-23-15*

**SUBJECT: FLOOD CONTROL AND DRAINAGE/  
SLOPE PROTECTION PROJECTS  
POLICIES**

To provide the guidelines and procedures for the implementation of flood control and drainage/slope protection projects which are funded, or proposed for funding by the National Government under the DPWH Infrastructure Program, the following policies are set and prescribed for adherence to in accordance with existing laws and management policies that seek to ensure the systems of checks and balances in the Department:

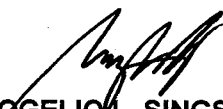
1. For every flood control and drainage project envisioned for capital funding under the DPWH Infrastructure Program, the Regional Office/District Engineering Office (DEO) or Flood Control Management Cluster of the Unified Project Management Office (FCMC UPMO) shall submit a project request with basic technical and economic data that must include, among others, the Project Impact Analysis (PIA). The request must also include the program of work, BP 202, detailed estimates, captioned pictures and fully accomplished checklist (see attached) for flood control and drainage/slope protection along national roads.
2. The project must fall within any of the following categories:
  - a. Flood control and river control works in major or principal river basins/systems as defined by the National Water Resources Board. These include floodways, dikes, retarding basins, water impounding structures, revetments, dredging/channelization works, spur dikes, and other related structures and facilities within such major or principal river basins/systems. Works on minor or local rivers and creeks are expected to be funded and undertaken by the local governments concerned.
  - b. Major components of urban drainage systems, including drainage mains, outfalls, pumping stations, control gates, and dredging and improvement of major drainage channels. Drainage laterals, canals, pipes and other facilities connecting local areas to drainage mains, outfalls and major waterways are expected to be funded and undertaken by the local governments concerned. Moreover, internal drainage facilities in private subdivisions and similar areas are presumed to be the responsibility of the private entities concerned.
  - c. Drainage/slope protection works for national roads and bridges. Slope protection and drainage facilities for provincial, city, municipal roads and streets including farm-to-market roads are expected to be funded by the local governments concerned.

3. The project must be part of an overall flood control master plan/ feasibility study for the river basin or urban area in which the same is located.
  4. The project must be economically viable, environmentally sustainable and technically sound, as evidenced by at the least, a preliminary engineering investigation and survey which shows that:
    - a. All significant technical problems and engineering aspects have been taken into account in the analysis;
    - b. All likely technical alternatives have been thoroughly examined;
    - c. Preliminary engineering has been carried out according to DPWH standards and practices to a degree of detail that will permit estimates of work quantities; and
    - d. The estimated cost of the project is comparable to any other reasonably available alternative which can produce the intended results and outcomes or better.
  5. The PIA in the prescribed format must include information on the flood return period to be used for the design based on the preliminary engineering and survey, and monitoring the following expected outcomes:
    - a. Reduction in flood prone areas;
    - b. Reduction of flood damage; and
    - c. Reduction in inundation period.
  6. Requests for funding from DEOs must be evaluated by the Regional Director to determine if the requirements in Items 1-5 are adhered to and a Certification to this effect must be signed by the latter before endorsing the said request to the Secretary. The Planning Service (PS) must ensure that complete and signed supporting documents are submitted and whenever applicable, proper cost review by the Bureau of Construction (BOC) before funding consideration.
  7. Preference shall be given to the FCMC UPMO to implement flood control projects in major or principal river basins/systems as there maybe an integrated water resource management approach given that major or principal river basins/systems transcend administrative and political boundaries. In exceptional cases wherein flood control projects in major or principal rivers/systems shall be implemented by the Regional Office/DEOs, the concerned Regional Office/DEOs must coordinate with the FCMC UPMO in validating and identifying priority areas/locations based on the Master Plan or Feasibility Study, and shall rank the areas/locations in the order of priority and importance. The validation report of the FCMC UPMO shall be part of the supporting documents. The PS shall ensure that complete and signed supporting documents are submitted including proper cost review by BOC, if necessary, before funding consideration.
  8. Projects to be implemented by the Regional Office/DEOs shall be undertaken in accordance with the limits of delegated authorities per D.O. ~~140~~ series of 2014 and D.O. 54, series of 2011. Funds, once available, shall be released/sub-allotted to the
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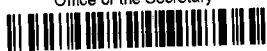
Regional Office or DEO concerned upon submission to the PS of the bid results. The Memorandum for Fund Release (MFR) prepared by the PS shall be approved by the Secretary. The Financial Management Service (FMS) shall issue the Sub-allotment Advice to the Regional Office or DEO concerned based on the approved MFR.

9. For projects to be implemented by the FCMC UPMO, final review of the design shall be undertaken by the Bureau of Design and bidding shall be undertaken by the Central Office Bids and Awards Committee (BAC) since the FCMC UPMO has no design mandate nor BAC in its organizational structure. Funds, once available, shall be earmarked upon submission to the PS of the bid results. The Memorandum for Fund Earmark (MFE) prepared by the PS shall be approved by the Secretary. The FMS shall issue the Certificate of Availability of Funds based on the approved MFE. Progress payments shall be processed by the FMS since the FCMC UPMO has no mandate to maintain separate accounting and cash divisions.
10. For drainage projects/slope protection works along national roads and bridges, the design and implementation, in accordance with applicable policies and procedures are hereby assigned as follows:
  - a. Regional Office for drainage/slope protection projects along Primary roads regardless of cost;
  - b. Regional Office for drainage/slope protection projects along Secondary and Tertiary Roads costing P50 Million and above;
  - c. District Engineering Offices for drainage/slope protection projects along Secondary and Tertiary Roads costing below P50 Million; and
  - d. District Engineering Offices for the drainage maintenance along all national roads and bridges.
11. Approval of plans, POWs and ABCs shall be consistent with the limits of delegated authorities per D.O. 140-, series of 2014 and D.O. 54 series of 2011.
12. The result or outcome monitoring shall be the responsibility of the implementing unit based on the PIA.
13. Proper communication channels must be observed.

This Order shall take effect immediately.

  
**ROGELIO L. SINGSON**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



WIN5Q32610

**DPWH CHECKLIST FOR FLOOD CONTROL STRUCTURE ALONG MAJOR/PRINCIPAL RIVER BASINS**

Name of Project:		Check (✓) the appropriate box	Remarks
Location:			
Project Cost :	Type of Structure:		
<b>1. Current Project Status</b>			
a) Continuation of on-going/phase-implemented project with RDC Endorsement		<input type="checkbox"/>	If with RDC Endorsement, please attach
b) New Proposal with RDC Endorsement		<input type="checkbox"/>	
c) New proposal without RDC Endorsement		<input type="checkbox"/>	
<b>2. Covered by a Foreign-Assisted Project (FAP)</b>			
a) Yes		<input type="checkbox"/>	If yes, indicate what FAP
b) No		<input type="checkbox"/>	
<b>3. Identified as Flood Prone Area under the Study on Nationwide Flood Risk Assessment and Flood Mitigation Plan for the Selected Areas (NFRAMP)</b>			
a) Under 18 Major River Basins		<input type="checkbox"/>	Refer to NFRAMP
b) Under First 56 Priority Rivers		<input type="checkbox"/>	
c) Under First 120 Priority Rivers		<input type="checkbox"/>	
<b>4. Status of the Project</b>			
a. With Feasibility Study or Master Plan (date completed: _____)		<input type="checkbox"/>	If with study (a) or (b), please attach soft copy
b. With Pre-Feasibility Study/Technical Study (date completed: ____)		<input type="checkbox"/>	
c. Without Study		<input type="checkbox"/>	
<b>5. Protects structure within 1 Kilometer Radius</b>			
a) National Bridge		<input type="checkbox"/>	Please attach Location Map and identify project site and structure
b) National Road		<input type="checkbox"/>	
c) Public Building (Hospital, Municipality/City Hall, School)*Encircle which		<input type="checkbox"/>	
<b>6. Project is</b>			
a) Rehabilitation		<input type="checkbox"/>	If not a, or b, or c, or d, please specify here the scope _____
b) Upgrading/Improvement		<input type="checkbox"/>	
c) New construction		<input type="checkbox"/>	
d) Desilting/Dredging/Deepening		<input type="checkbox"/>	
<b>7. Located within</b>			
a) City		<input type="checkbox"/>	If traversing more than one (1), please specify how many cities or municipalities _____
b) 1st class municipality		<input type="checkbox"/>	
c) 2nd class municipality		<input type="checkbox"/>	
d) 3rd class municipality		<input type="checkbox"/>	
e) 4th class municipality		<input type="checkbox"/>	
f) 5th class municipality		<input type="checkbox"/>	
<b>8. With ROW</b>			
a. Yes		<input type="checkbox"/>	If with ROW, please state the amount of ROW
b. No		<input type="checkbox"/>	
<b>9. Within Buildable Zone</b>			
a. Yes		<input type="checkbox"/>	Refer to Multi-Hazard Map (If you do not have one, go to DENR or DOST)
b. No		<input type="checkbox"/>	

Validated and submitted by:

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Regional Director/District Engineer

**DPWH CHECKLIST FOR SLOPE PROTECTION, DRAINAGE AND COASTAL PROTECTION WORKS ALONG NATIONAL ROADS/BRIDGES**

Name of Project:		Check (✓) the appropriate box	Remarks
Location:			
Project Cost:	Type of Structure:		
<b>1. Current Project Status</b>			
a) Continuation of on-going/phase - implemented project with RDC Endorsement		<input type="checkbox"/>	If with RDC Endorsement, please attach
b) New Proposal with RDC Endorsement		<input type="checkbox"/>	
c) New proposal without RDC Endorsement		<input type="checkbox"/>	
<b>2. Covered by a Foreign Assisted Project</b>			
a. Yes		<input type="checkbox"/>	If yes, indicate what FAP
b. No		<input type="checkbox"/>	
<b>3. The Project is along a</b>			
a. National Arterial Road		<input type="checkbox"/>	Please refer to RBIA
b. National Secondary Road		<input type="checkbox"/>	
<b>4. The Volume of Traffic (AADT) of the National Road is</b>			
a. > 5000		<input type="checkbox"/>	Please check with RTIA
b. 1000 to 5000		<input type="checkbox"/>	
c. < 1000		<input type="checkbox"/>	
<b>5. Status of the Project</b>			
a. With Feasibility Study or Master Plan (date completed: _____)		<input type="checkbox"/>	If with study (a) or (b), please attach soft copy
b. With Pre-Feasibility Study/Technical Study (date completed: _____)		<input type="checkbox"/>	
c. Without Study		<input type="checkbox"/>	
<b>6. Project is</b>			
a. Rehabilitation		<input type="checkbox"/>	If not a, or b, or c, please specify here the scope _____
b. Upgrading/Improvement		<input type="checkbox"/>	
c. New construction		<input type="checkbox"/>	
<b>7. With ROW</b>			
a. Yes		<input type="checkbox"/>	If with ROW, please state the amount of ROW _____
b. No		<input type="checkbox"/>	
<b>8. Within Buildable Zone</b>			
a. Yes		<input type="checkbox"/>	Refer to Multi-Hazard Map (If you do not have one, go to DENR or DOST)
b. No		<input type="checkbox"/>	

Validated and submitted by:

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Regional Director/District Engineer