

OK. 5693-IN

Supplemental Letter No. 2

INDIA
STATE OF GOA
STATE OF GUJARAT
STATE OF WEST BENGAL
STATE OF KARNATAKA
STATE OF KERALA
STATE OF MAHARASHTRA

August 11, 2015

International Development Association
1818 H Street, N.W.
Washington, D.C. 20433
United States of America

INDIA: Credit No. 5693-IN
(National Cyclone Risk Mitigation Project – II)
Performance Monitoring Indicators


Dear Sirs and Mesdames:

We refer to: (a) Section II.A of Schedule 2 to the Finance Agreement of even date between India and the International Development Association (the Association); (b) Section II.A of the Schedule to the Project Agreement between the Association and the State of Goa; (c) Section II.A of the Schedule to the Project Agreement between the Association and the State of Gujarat; (d) Section II.A of the Schedule to the Project Agreement between the Association and the State of West Bengal; (e) Section II.A of the Schedule to the Project Agreement between the Association and the State of Karnataka; (f) Section II.A of the Schedule to the Project Agreement between the Association and the State of Kerala; and (g) Section II.A of the Schedule to the Project Agreement between the Association and the State of Maharashtra.

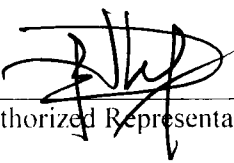
Unless otherwise agreed with the Association, we shall monitor and evaluate implementation of the Project in accordance with the Performance Monitoring Indicators attached to this letter.

Very truly yours.

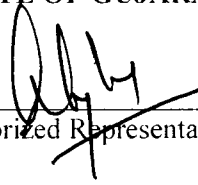
INDIA

By 
Authorized Representative

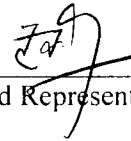
STATE OF GOA

By 
Authorized Representative

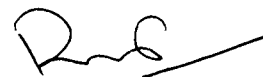
STATE OF GUJARAT

By 
Authorized Representative

STATE OF WEST BENGAL

By 
Authorized Representative

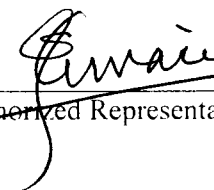
STATE OF KARNATAKA

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STATE OF KERALA

By 
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STATE OF MAHARASHTRA

By 
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National Cyclone Risk Mitigation Project-II

Results Framework

Project Development Objectives							
PDO Statement							
The Project Development Objective is to reduce vulnerability to cyclone and other hydro-meteorological hazards of coastal communities in project States, and increase the capacity of the State entities to effectively plan for and respond to disasters.							
These results are at	Project Level						
Project Development Objective Indicators							
		Cumulative Target Values					
Indicator Name	Baseline	YR1	YR2	YR3	YR4	YR5	End Target
Proportion of the targeted coastal population covered by the EWDS (Percentage)	TBD						75.00
Proportion of vulnerable coastal population with access to emergency shelters (Percentage)	TBD						30.00
Results of the vulnerability assessment presented to officials of NDMA for investment planning (Yes/No)	No						Yes
Results of the comprehensive multi-hazard risk financing strategy for policy making (Yes/No)	No						Yes

Intermediate Results Indicators							
Indicator Name	Baseline	Cumulative Target Values					End Target
		YR1	YR2	YR3	YR4	YR5	
Number of R-PACS installed (Number)	0.00						750.00
Number of multi-purpose cyclone and flood shelters completed (Number)	0.00						340.00
Number of people with access to multi-purpose cyclone and flood shelters built or rehabilitated under the Project (Number - Sub-Type: Supplemental)	0.00						500,000.00
Roads rehabilitated. Rural (Kilometers) - (Core)	0.00						310.00
Number of bridges completed under the project (Number)	0.00						13.00
Kilometers of embankments rehabilitated under the Project (Kilometers)	0.00						90.00
Square kilometers protected by embankments rehabilitated by the Project	0.00						1,600.00

(Square kilometer(km2) - Sub-Type: Supplemental)							
Kilometers of HT and LT lines moved underground (Kilometers)	0.00						280.00
Probabilistic risk model for selected areas completed (Yes/No)	No						Yes
Number of training modules on disaster damage assessment implemented (Number)	0.00						8.00
Multi-hazard risk assessment for selected areas completed (Yes/No)	No						Yes
Physical structural assessment of lifeline infrastructure completed (Yes/No)	No						Yes
Hydro-meteorological Resilience Action Plans completed (Yes/No)	No						Yes

Indicator Description

Project Development Objective Indicators				
Indicator Name	Description (indicator definition etc.)	Frequency	Data Source + Methodology	Responsibility for Data Collection
Proportion of the targeted coastal population covered by the EWDS	Percentage of the targeted population who is aware of EWDS, measured by a household survey. The baseline will be provided by the BME consultant, following the same model as NCRMP I	At mid-term and completion	Benefit Monitoring Evaluation consultant report	NDMA
Proportion of vulnerable coastal population with access to emergency shelters	Access is determined by a distance of no more than 2km from locality, accessible by all-weather roads, and with sufficient capacity of the shelter. The baseline will be provided by the BME consultant, following the same model as NCRMP I	At mid-term and completion	BME consultant	NDMA
Results of the vulnerability assessment presented to officials of NDMA for investment planning	The results of the vulnerability assessment of lifeline infrastructure will be presented to officials from NDMA in order to inform investment planning	Once, at project completion	Vulnerability assessment produced by consulting firm	NDMA
Results of the comprehensive multi-hazard risk financing strategy for policy making	The results of the comprehensive multi-hazard risk financing strategy will be presented in order to inform policy making	Once, at project completion	Multi-hazard risk financing strategy produced by consulting firm	NDMA
Intermediate Results Indicators				
Indicator Name	Description (indicator definition etc.)	Frequency	Data Source + Methodology	Responsibility for Data Collection
Number of R-PACS installed	Number of Remote Public Alert Communication Systems installed in the participating states. The target number will be determined during implementation based on the consultant's results.	Quarterly	Project monitoring report, based on field supervision	NDMA
Number of multi-purpose cyclone and flood shelters	A completed shelter includes the hand-over of a completed shelter to an established and trained	Quarterly	Reports from supervision firm	NDMA

completed	community group			
Number of people with access to multi-purpose cyclone and flood shelters built or rehabilitated under the Project	Based on vulnerable people, distance to shelters (under 2km), access roads, and capacity of the shelters	Quarterly	Project's quarterly report and supervision firm reports	NDMA
Roads rehabilitated, Rural	Kilometers of all rural roads reopened to motorized traffic, rehabilitated, or upgraded under the project. Rural roads are roads functionally classified in various countries below Trunk or Primary, Secondary or Link roads, or sometimes Tertiary roads. Such roads are often described as rural access, feeder, market, agricultural, irrigation, forestry or community roads. Typically, rural roads connect small urban centers/towns/settlements of less than 2,000 to 5,000 inhabitants to each other or to higher classes of road, market towns and urban centers.	Quarterly	Quarterly reports and supervision firm report	NDMA
Number of bridges completed under the project	Number of bridges constructed under the project	Quarterly	Project's quarterly report and supervision firm report	NDMA
Kilometers of embankments rehabilitated under the Project	Kilometers of embankments rehabilitated under the Project	Quarterly	Project's quarterly report and supervision firm report	NDMA
Square kilometers protected by embankments rehabilitated by the Project	Square kilometers protected by embankments rehabilitated by the Project	Quarterly	Project's quarterly reports and supervision firm report	NDMA
Kilometers of HT and LT lines moved underground	Total number of kilometers of high and low tension lines moved underground by the Project	Quarterly	Project's quarterly reports and supervision firm reports	NDMA
Number of operational EOCs	Number of Emergency Operations Centers built, rehabilitated, and/or equipped under the project to the point of satisfactory conditions to be able to respond to emergencies	Quarterly	Project's quarterly reports	NDMA
Probabilistic risk model for selected areas completed	The probabilistic risk model is completed and presented to NDMA and MHA authorities	Once, at project completion	Consultant's report	NDMA
Number of training modules on disaster damage assessment	Number of training modules implemented by NIDM to state disaster management officials	Quarterly	Project's quarterly report	NIDM

implemented				
Multi-hazard risk assessment for selected areas completed	The multi-hazard risk assessment financed under Component C is completed and presented to NDMA and MHA authorities for decision making	Once, at Project completion	Consultant's report	NDMA
Physical structural assessment of lifeline infrastructure completed	Physical structural assessment of lifeline infrastructure in high risk zones completed and presented to NDMA and MHA for decision making	Once, at Project completion	Consultant's report	NDMA
Hydro-meteorological Resilience Action Plans completed	Hydro-meteorological Resilience Action Plans, financed under Component C, is completed and presented to State Authorities, NDMA, MHA and DEA for decision making	Once, at Project completion	Consultant's report	NDMA