

No.P.15011/3/2015-SPR

Government of India

Ministry of Water Resources, River Development & Ganga Rejuvenation

Shram Shakti Bhavan, Rafi Marg,  
New Delhi - 110001.

Dated 17<sup>th</sup> December, 2015

To

The Chief Secretary,  
Government of all... *States of Union of India*

Subject: Guidelines for Investment Clearance by the M/o Water Resources, River Development & Ganga Rejuvenation in respect of Irrigation and Flood Control Projects.

Sir,

The Government has approved the transfer of powers for according Investment Clearance to major, medium irrigation, Extension, Renovation & Modernisation (ERM) of Projects, Flood Control and Multi-purpose projects from the erstwhile Planning Commission to the Ministry of Water Resources River Development and Ganga Rejuvenation (M/o WR, RD&GR). Accordingly, and keeping in view the policy of decentralization, the guidelines for investment approval by the (M/oWR, RD&GR) for Irrigation and Flood Control including drainage projects are detailed below:

**A. Investment clearance by the State Governments**

- (1) The State Governments are empowered to accord investment approval for the major and medium irrigation & or multi-purpose and flood control projects including drainage projects, which do not have inter-State ramifications. A project will be exempted from seeking investment clearance of Government of India in the following cases:
  - (i). If the water utilization from the project does not impinge upon any inter-state water agreement, tribunal awards, and existing allocation or is dependent on the residual flows resulting from previous inter-State allocations, no investment clearance will be required. However, inter-State issues shall continue to be handled by CWC and clearance shall be obtained from CWC before approving the project.
  - (ii). If the Project is not covered under (i) above and does not envisage any Central assistance through Central Sector or Centrally Sponsored Scheme, no investment clearance will be required from this Ministry. However, the major/medium and multi-purpose projects envisaging central assistance through Central Sector or Centrally Sponsored Schemes shall continue to need investment clearance.
  - (iii). Projects other than Major, Medium and multi-purpose Projects such as Schemes of Surface and Ground Water Minor Irrigation, Command Area Development and Water Management, Repair, Renovation and

Restoration of water bodies will continue to be approved by the respective State Governments, as per the existing policies.

- (iv). The State Governments shall intimate with the copy of the investment clearance accorded by them in respect of eligible schemes to the M/oWR, RD, & GR, NITI Aayog (Water Resources Division), Central Water Commission and all concerned Central Ministries Organisations.
- (2) Before according the investment approval to the schemes/projects, the concerned State/UT Government will first obtain a certificate from the Central Water Commission to the effect that such project/scheme does not have any inter-state or international ramifications/implications in case of major and medium irrigation (and multi-purpose) projects as a pre-requisite whereas for flood and drainage projects/schemes, a similar certificate from Ganga Flood Control Commission in case of all Ganga basin States, the Brahmaputra Board in case of all the North Eastern States including Sikkim and CWC in case of all other flood schemes of the States shall be obtained.
- (3) The State Government should take into account the committed liabilities of ongoing schemes vis-a-vis the availability of resources for the implementation of such scheme in the Plans so that available resources are not thinly spread over number of schemes resulting in time and cost overruns. For this purpose, the State Irrigation/Water Resources Department should obtain the clearance from their State Planning Department.
- (4) The State Government shall also obtain all required statutory clearance(s) from the Ministry of Environment & Forests and Ministry of Social Justice and Empowerment such as environmental clearance; forest clearance, approval for rehabilitation and resettlement plan and all other clearances, as may be required by the Ministry in accordance with their latest guidelines/norms fixed by them, before the investment approval is accorded.
- (5) Before according investment approval, the State Government shall satisfy itself that:
  - (i). The schemes have been prepared after adequate investigations; and planning / designs have been made conforming with relevant standard codes and practices;
  - (ii). The estimates are complete and correct technically;
  - (iii). The financial forecasts and estimates of benefits anticipated are based on reliable and accurate data; and
  - (iv). The needs of environment conservation and proper rehabilitation of project-affected persons have been taken into account.

#### **B. Investment clearance by the MoWR, RD & GR.**

- (1) All new major and medium irrigation projects and flood control projects or coastal protection projects including multi-purpose and which have Inter-State or international ramifications will be subject to techno-economic appraisal in CWC and then approval by the Advisory Committee on Irrigation, Flood Control and Multi-purpose Projects in the MoWR, RD & GR. The investment clearance will henceforth be accorded by this Ministry

in place of the erstwhile Planning Commission. The following categories of projects of State Governments, located on inter-state rivers or their tributaries, based on Benefit-Cost Ratio and Technical Feasibility established after exhaustive appraisal by Central Water Commission (CWC), may be recommended for Investment Clearance:

- (i). Major Irrigation (CCA more than 10000 ha.) & Medium Irrigation (CCA more than 2000 ha and less than 10000 ha.) Projects including Multipurpose water resources projects,
- (ii). Extension, Renovation & Modernisation of Irrigation Projects,
- (iii). Flood Control Projects (Major projects costing more than Rs. 25 crore and Medium project costing more than Rs.12.5 crore). These costs would be revised on the basis of inflation index every five years, at the sole discretion of the Committee.
- (iv). In respect of revised project estimates for Major Irrigation and Multipurpose Projects where there is no change in the scope and where the costs escalation due to price rise **alone** have not changed by more than 15%, the concerned State Govt. need not forward detailed estimates for examination at Centre. For such projects/estimates the procedure will be as follows:
  - the State Govt. should send project-wise statements of excess costs to CWC giving the abstract of costs under major sub-heads indicating the excess costs over the sanctioned costs and reasons there for after obtaining concurrence of the State Finance Department.
  - The covering note will include the salient features of the project contemplated in original proposal and that being executed at site.
  - The CWC will examine such estimates broadly and send its views to the Committee for consideration and recommendation for investment clearance.
  - No successive proforma clearances will be allowed after a cap of 15%.
- (v). Revised Cost Estimate of Projects for cost escalation beyond 15% of the cost approved in the last accorded Investment Clearance for reasons other than cost escalation beyond 15%, viz. change in scope, technical reasons etc., the procedure at (iv) above would not be applicable. In that case appraisal procedure through Advisory Committee will be followed.
- (vi). Extension of time after lapse of duration to complete a previously cleared project without any change in scope or estimate will be examined on case to case basis based on detailed justifications submitted by the State Govt. directly by the Committee in MOWR, RD & GR.
- (vii). As a general principle any project which is located on an inter-State river or its tributary will be deemed to involve inter-State

ramifications and as such shall need investment clearance from this Ministry.

(2) The States will submit the proposals for Investment Clearance, along with check-list (format as annexed) to CWC, Headquarters. CWC will compile all such proposals and send fortnightly report to Ministry of WR, RD & GR with recommendations for the proposed Committee for Investment Clearance. While processing in CWC, the CWC will take into account overall picture of implementability of the project without affecting the implementation of other projects under irrigation sector, overall state plan size, the year-wise allocation for the project including allocation for all other ongoing projects and capacity of State Government to incur financial expenditure and bottlenecks in implementation of the projects.

(3) The following Committee is being constituted for making recommendations for Investment Clearance to the Hon'ble Minister of Water Resources, River Development and Ganga Rejuvenation:

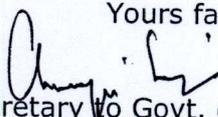
- a) Secretary (WR, RD & GR) - *Chairperson*
- b) Chairman, CWC
- c) Advisor (WR), NITI Aayog
- d) JS&FA, MoWR, RD & GR
- e) JS (PP), MoWR, RD & GR
- f) Commissioner - SPR/FM, MoWR, RD & GR - *Member Secretary* \*
- g) Economic Adviser, MoWR, RD & GR
- h) Chief Engineer (PAO), CWC (Permanent Invitee)

\*Commissioner (SPR) will be the Member-Secretary and Commissioner(FM) will brief the Committee on Flood Control Projects.

(4) The meeting of Committee, after receipt of the proposals in the MoWR, RD & GR, will be convened for considering the proposals for recommendation of Investment Clearance. The Investment Clearance will be granted on the basis of detailed check-list enclosed herewith for benefits cost ratio more than one. Investment clearance will be granted after recommendation of committee by the Hon'ble Minister of Water Resources, River Development and Ganga Rejuvenation in the Ministry.

The above guidelines take place with immediate effect.

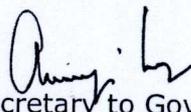
Yours faithfully,

  
Special Secretary to Govt. of India  
Tel. No. 2371 0619

**Copy for information to:**

1. Cabinet Secretary, Cabinet Secretariat, Rashtrapati Bhavan, New Delhi.
2. Principal Secretary, Prime Minister's Office, South Block, New Delhi.
3. Secretary to President, President Estate, New Delhi.
4. Secretary, Ministry of Agriculture & Farmers' Welfare (Department of Agriculture & Cooperation), Krishi Bhavan, New Delhi.
5. Secretary, Ministry of Environment, Forests & Climate Change, New Delhi.
6. Secretary, Ministry of Social Justice & Empowerment, Shastri Bhavan, New Delhi.
7. Chairman, Central Water Commission, Sewa Bhavan, R.K.Puram, New Delhi.

8. Chairman, Ganga Flood Control Commission, Patna, Bihar.
9. Chairman, Brahmaputra Board, Guwahati, Assam.
10. Joint Secretary, Ministry of Finance, Department of Expenditure, Plan Finance, North Block, New Delhi.
11. Chief General Manager, NABARD, Sterling Centre, Post Box No.6552, Dr. Annie Besant Road, Worli, Mumbai-18.
12. Irrigation Secretary of all the States/Administrator of UTs.
13. Adviser (Admn.)/Adviser (P&E), NITI Aayog
14. NIC for uploading on the site of Ministry of WR,RD&GR.

  
Special Secretary to Govt. of India  
Tel. No. 2371 061

**Annexure-I**

**Check list for investment clearance in respect of New Major, Medium Irrigation and Multipurpose Projects**

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**PART–A: PROJECT SPECIFIC INFORMATION**

1.	Name of the Project	:					
2.	Type of project	:	Major Irrigation / Medium Irrigation/ Multipurpose				
3.	Name of River & Basin	:					
4.	Type of Diversion Structure	:	Dam/Barrage/Weir/Lift Scheme				
5.	Mode of distribution	:	Gravity/Lift/Mixed				
	If Lift, then annual power (Kwh)	:					
6.	Location of Head Work	:					
	District	:					
	Latitude & Longitude	:	... <sup>0</sup> ..... ' ..... " N, & ... <sup>0</sup> ..... ' ..... " E				
7.	Command Area Detail	:					
	GCA (ha)	:					
	CCA (ha)	:					
	Annual Irrigation (ha)		<table border="1" style="width: 100%;"><tr><td style="text-align: center;"><u>Kharif</u></td><td style="text-align: center;"><u>Rabi</u></td><td style="text-align: center;"><u>Summer</u></td><td style="text-align: center;"><u>Total</u></td></tr></table>	<u>Kharif</u>	<u>Rabi</u>	<u>Summer</u>	<u>Total</u>
<u>Kharif</u>	<u>Rabi</u>	<u>Summer</u>	<u>Total</u>				
	Annual Irrigation proposed to be covered under Micro Irrigation (ha)	:					
	Districts benefitted	:					
8.	Area Proposed to be benefitted	:	Drought prone/Hilly area/Tribal area/Naxal affected area				
9.	Other Benefits	:					
	a. Drinking Water	:					
	Quantity allocated (MCM)	:					
	Population benefitted (In thousands)	:					
	District(s) Benefitted	:					
	b. Power Generation (MW)	:					
	c. Industrial Water (MCM)	:					
	d. Fisheries (Metric Tons)	:					
	e. Others	:					
10.	Approved Cost by Advisory Committee of Ministry of Water Resources, RD&GR	:	..... Crore @ Price Level.....				
11.	Cost per hectare of Annual irrigation (Rs. in lakh/ha)	:					
12.	Benefit Cost Ratio	:					
13.	Proposed mode of funding and Amount	:	Central Assistance/ External Funding/ Domestic/ JICA/ NABARD/ World Bank/ State Govt. or any other sources				
14.	Statutory Clearances	:					
	(a) Letter No. alongwith date of Environment Clearance granted by MoEF&CC (Attach copy)	:					

	(b) Letter No. alongwith date of Forest Clearance granted by MoEF&CC (Attach copy)	:
	(c) Letter No. alongwith date of Clearance granted by MoTA (Attach copy) regarding tribal population affected	:
15.	State Finance Concurrence for the approved cost (letter no. & date, copy to be attached)	:
16.	Status of Environment Safeguard measures	
17.	Present Status of Financial and Physical activities	
	(a) Expenditure incurred upto last quarter (In Crore)	:
	(b) Physical progress	:
	Head Work (%)	:
	Main Canal (%)	:
	Branch Canals (%)	:
	Distributaries and minors (%)	:
	Command Area Development and Water Management (%)	:
	Resettlement & Rehabilitation (%)	:
	Land Acquisition (%)	:
	Irrigation Potential created (ha)	:
	Irrigation Potential utilised (ha)	:
	Details of status of EMP & Catchment Area Treatment	
18.	Proposed Physical & Financial Implementation Schedule	
	(a) Completion period (No. of years)	:
	(b) Attach Bar Chart showing detail component wise & year wise for each project component mentioned at Sl. No.17 showing physical & financial milestones.	:
19.	(a) Is any litigation pending in any court/NGT/Tribunal etc.	Yes/No
	(b) If yes, provide detail & present status	
20.	Status of Water Users Association for the project	
	(a) Status	Proposed to be formed/already formed
	(b) Detail if already formed & existing	Attach the detail including any G.O.
21.	Attach Salient features and index map of the project	

**22. Details of land requirement (such as Govt. land, Private land, forest land etc.) and its acquisition status:**

Sl. No.	Description	Land Required (Ha)				Land Acquired (Ha)				Balance land to be acquired (Ha)			
		Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land
1.	Reservoir												
2.	Main Canals												
3.	Branch Canals												
4.	Distributaries and Minors and Water Courses												
5.	Resettlement & Rehabilitation												
6.	Any other purpose												
	Total												

**23. Details of Rehabilitation and Resettlement**

**23.1 Physical Detail**

Sl. No.	Description	No. of persons affected	No. of Family affected	No. of population Rehabilitated & Resettled as on date		No. of population to be Rehabilitated & Resettled as on date		Reasons for delay in implementing R&R
				No. of persons	No. of families	No. of persons	No. of families	
1.	R&R Detail							
2.	Detail of tribal population affected							
	Total							

**23.2 Financial Detail**

Sl. No.	Name of Item	Unit	Present Expenditure (Cr)	Balance Cost (Cr)	Remark
1.	Total cost	Crore			
2.	Land Cost	Crore			
3.	R&R Plan	Crore			
4.	Development of land	Crore			

**23.3 Details of R&R plan including its approval, Cost of Rehabilitation etc.**

**PART-B**

**GENERAL IRRIGATION SCENARIO OF THE STATE**

**1. Source-wise irrigation achieved till previous financial year:**

Sl. No.	Name of Source	CCA (Ha)	Remarks if any
1.	Canals		
2.	Dug Wells		
3.	Tubewells		
	a. Private		
	b. Govt.		
4.	Tanks/Check dams etc.		

**2. Detail of Irrigation Potential from completed projects**

**A. Major Irrigation projects**

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						

**B. Medium Irrigation projects**

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						

**C. Minor Irrigation projects**

Type	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
Total surface water		
Total Ground Water		
Grand Total		

**3. Detail of Irrigation Potential for the on-going projects upto last financial year:**

A. Physical & Financial Progress of major projects:

Sl. No.	Name of project	Year of Start	Targeted year of completion	Physical Status			Financial Status	
				Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)	Latest Approved Cost with Price Level (Cr)	Expenditure upto Last Financial Year (Cr)
1.								
2.								
3.								
4.								
6.								
7.								

B. Physical & Financial Progress of medium projects:

Sl. No.	Name of project	Year of Start	Targeted year of completion	Physical Status			Financial Status	
				Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)	Latest Approved Cost with Price Level (Cr)	Expenditure upto Last Financial Year (Cr)
1.								
2.								
3.								
4.								
6.								
7.								

**4. Status of micro irrigation in the State**

Sl. No.	Name of Project	Annual irrigation in Ha	Area under which micro irrigation implemented

**5. Overall plan size of irrigation sector, project wise allocation for different projects including O&M provisions**

Year	Budget Allocation Amount	% of State Budget	Expenditure on new project	O&M of existing	Revenue Collection	New Irrigation Potential created	Irrigation Potential restored

**6. Expenditure incurred in irrigation sector by State Government for the last five years including Central share and external borrowings year-wise.**

**Major Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

**Medium Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

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**Annexure-II**

**Check list for investment clearance in respect of Revised Cost Estimate of Major,  
Medium Irrigation and Multipurpose Projects**

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**PART–A: PROJECT SPECIFIC INFORMATION**

1.	Name of the Project	:				
2.	Type of project	:	Major Irrigation / Medium Irrigation/ Multipurpose			
3.	Name of River & Basin	:				
4.	Type of Diversion Structure	:	Dam/Barrage/Weir/Lift Scheme			
5.	Mode of distribution	:	Gravity/Lift/Mixed			
	If Lift, then annual power (Kwh)	:				
6.	Location of Head Work	:				
	District	:				
	Latitude & Longitude	:	... <sup>0</sup> ..... ' ..... " N, & ... <sup>0</sup> ..... ' ..... " E			
7.	Command Area Detail	:				
	GCA (ha)	:				
	CCA (ha)	:				
	Annual Irrigation (ha)		<u>Kharif</u>	<u>Rabi</u>	<u>Summer</u>	<u>Total</u>
	Annual Irrigation proposed to be covered under Micro Irrigation (ha)	:				
	Districts benefitted	:				
8.	Area Proposed to be benefitted	:	Drought prone/Hilly area/Tribal area/Naxal affected area			
9.	Other Benefits	:				
	a. Drinking Water	:				
	Quantity allocated (MCM)	:				
	Population benefitted (In thousands)	:				
	District(s) Benefitted	:				
	b. Power Generation (MW)	:				
	c. Industrial Water (MCM)	:				
	d. Fisheries (Metric Tons)	:				
	e. Others	:				
10.	Date of investment clearance of original project (Attach copy of clearance)	:				
11.	Original estimated cost with Price Level	:				
12.	Approved Revised Cost by Advisory Committee of Ministry of Water Resources,RD&GR	:	..... Crore @ Price Level.....			
13.	Cost per hectare of Annual irrigation (Rs. in lakh/ha)	:				
14.	Benefit Cost Ratio	:				

15.	Whether there is change in scope i.e change in projects parameters resulting in change in nature and benefits such as CCA, installed capacity, energy generation etc.,? If so, comparative statement of changes in the parameters.	Parameters	As per Original project proposal	As per Revised Project proposal
		1. CCA 2. AI 3. Cost 4. Power Generation 5. Name of components 6. Others		
16.	Proposed mode of funding and Amount	: Central Assistance/ External Funding/ Domestic/ JICA/ NABARD/ World Bank/ State Govt. or any other sources		
17.	Statutory Clearances			
	(a) Letter No. alongwith date of Environment Clearance granted by MoEF&CC (Attach copy)	:		
	(b) Letter No. alongwith date of Forest Clearance granted by MoEF&CC (Attach copy)	:		
	(c) Letter No. alongwith date of Clearance granted by MoTA (Attach copy) regarding tribal population affected	:		
18.	State Finance Concurrence for the approved cost (letter no. & date, copy to be attached)	:		
19.	Status of Environment Safeguard measures			
20.	Present Status of Financial and Physical activities			
	(a) Expenditure incurred upto last quarter (In Crore)	:		
	(b) Physical progress	:		
	Head Work (%)	:		
	Main Canal (%)	:		
	Branch Canals (%)	:		
	Distributaries and minors (%)	:		
	Command Area Development and Water Management (%)	:		
	Resettlement & Rehabilitation (%)	:		
	Land Acquisition (%)	:		
	Irrigation Potential created (ha)	:		
	Irrigation Potential utilised (ha)	:		
	Details of status of EMP & Catchment Area Treatment	:		
21.	Proposed Physical & Financial Implementation Schedule			

	(a) Completion period (No. of years)	:
	(b) Attach Bar Chart showing detail component wise & year wise for each project component mentioned at Sl. No.20 showing physical & financial milestones.	:
22.	(a) Is any litigation pending in any court/NGT/Tribunal etc.	Yes/No
	(b) If yes, provide detail & present status	
23.	Status of Water Users Association for the project	
	(a) Status	Proposed to be formed/already formed
	(b) Detail if already formed & existing	Attach the detail including any G.O.
24.	Attach Salient features and index map of the project	

**25. Details of land requirement (such as Govt. land, Private land, forest land etc.) and its acquisition status:**

Sl. No.	Description	Land Required (Ha)				Land Acquired (Ha)				Balance land to be acquired (Ha)			
		Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land
1.	Reservoir												
2.	Main Canals												
3.	Branch Canals												
4.	Distributaries and Minors and Water Courses												
5.	Resettlement & Rehabilitation												
6.	Any other purpose												
	Total												

**26. Details of Rehabilitation and Resettlement**

**26.1 Physical Detail**

Sl. No.	Description	No. of persons affected	No. of Family affected	No. of population Rehabilitated & Resettled as on date		No. of population to be Rehabilitated & Resettled as on date		Reasons for delay in implementing R&R
				No. of persons	No. of families	No. of persons	No. of families	
1.	R&R Detail							
2.	Detail of tribal population affected							
	Total							

## 26.2 Financial Detail

Sl. No.	Name of Item	Unit	Present Expenditure (Cr)	Balance Cost (Cr)	Remark
1.	Total cost	Crore			
2.	Land Cost	Crore			
3.	R&R Plan	Crore			
4.	Development of land	Crore			

## 26.3 Details of R&R plan including its approval, Cost of Rehabilitation etc.

### PART-B

#### GENERAL IRRIGATION SCENARIO OF THE STATE

##### 1. Source-wise irrigation achieved till previous financial year:

Sl. No.	Name of Source	CCA (Ha)	Remarks if any
1.	Canals		
2.	Dug Wells		
3.	Tubewells		
	a. Private		
	b. Govt.		
4.	Tanks/Check dams etc.		

##### 2. Detail of Irrigation Potential from completed projects

###### A. Major Irrigation projects

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						



**4. Status of micro irrigation in the State**

Sl. No.	Name of Project	Annual irrigation in Ha	Area under which micro irrigation implemented

**5. Overall plan size of irrigation sector, project wise allocation for different projects including O&M provisions**

Year	Budget Allocation Amount	% of State Budget	Expenditure on new project	O&M of existing	Revenue Collection	New Irrigation Potential created	Irrigation Potential restored

**6. Expenditure incurred in irrigation sector by State Government for the last five years including Central share and external borrowings year-wise.**

**Major Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr.	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

**Medium Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr.	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

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**Annexure-III**

**Check list for investment clearance in respect of Extension, Renovation and Modernisation (ERM) of Major, Medium Irrigation and Multipurpose Projects**

**PART-A: PROJECT SPECIFIC INFORMATION**

1.	Name of the Project	:								
2.	Type of project	:	Major Irrigation / Medium Irrigation/ Multipurpose							
3.	Name of River & Basin	:								
4.	Type of Diversion Structure	:	Dam/Barrage/Weir/Lift Scheme							
5.	Mode of distribution	:	Gravity/Lift/Mixed							
	If Lift, then annual power (Kwh)	:								
6.	Location of Head Work	:								
	District	:								
	Latitude & Longitude	:	... <sup>0</sup> ..... ' ..... " N, & ... <sup>0</sup> ..... ' ..... " E							
7.	Command Area Detail		<u>Pre-ERM</u>				<u>Post-ERM</u>			
	GCA (ha)	:								
	CCA (ha)	:								
	Annual Irrigation (ha)		<u>Kharif</u>	<u>Rabi</u>	<u>Sum mer</u>	<u>Total</u>	<u>Kharif</u>	<u>Rabi</u>	<u>Sum mer</u>	<u>Tota l</u>
	Annual Irrigation proposed to be covered under Micro Irrigation (ha)	:								
	Districts benefitted	:								
8.	Area Proposed to be benefitted	:	Drought prone/Hilly area/Tribal area/Naxal affected area							
9.	Other Benefits		<u>Pre-ERM</u>				<u>Post-ERM</u>			
	a. Drinking Water									
	Quantity allocated (MCM)	:								
	Population benefitted (In thousands)	:								
	District(s) Benefitted	:								
	b. Power Generation (MW)	:								
	c. Industrial Water (MCM)	:								
	d. Fisheries (Metric Tons)	:								
	e. Others	:								
10.	Date of investment clearance of original project (Attach copy)	:								
11.	Estimated cost of original project with Price Level	:	..... Crore @ Price Level.....							
12.	Approved ERM Cost by Advisory Committee of Ministry of Water Resources, RD&GR	:	..... Crore @ Price Level.....							
13.	Cost per hectare of Annual irrigation (Rs. in lakh/ha)	:								

14.	O&M charges of the project	
15.	Benefit Cost Ratio	:
16.	Proposed mode of funding and Amount	: Central Assistance/ External Funding/ Domestic/ JICA/ NABARD/ World Bank/ State Govt. or any other sources
17.	Statutory Clearances	
	(a) Letter No. alongwith date of Environment Clearance granted by MoEF&CC (Attach copy)	:
	(b) Letter No. alongwith date of Forest Clearance granted by MoEF&CC (Attach copy)	:
	(c) Letter No. alongwith date of Clearance granted by MoTA (Attach copy) regarding tribal population affected	:
18.	State Finance Concurrence for the approved cost of ERM (letter no. & date, copy to be attached)	:
19.	Status of Environment Safeguard measures	
20.	Present Status of Financial and Physical activities of ERM	
	(a) Expenditure incurred upto last quarter (In Crore)	:
	(b) Physical progress	:
	Head Work (%)	:
	Main Canal (%)	:
	Branch Canals (%)	:
	Distributaries and minors (%)	:
	Command Area Development and Water Management (%)	:
	Resettlement & Rehabilitation (%)	:
	Land Acquisition (%)	:
	Irrigation Potential created (ha)	:
	Irrigation Potential utilised (ha)	:
	Details of status of EMP & Catchment Area Treatment	
21.	Proposed Physical & Financial Implementation Schedule	
	(a) Completion period (No. of years)	:
	(b) Attach Bar Chart showing detail component wise & year wise for each project component mentioned at Sl. No.19 showing physical & financial milestones.	:
22.	(a) Is any litigation pending in any court/NGT/Tribunal etc.	Yes/No

	(b) If yes, provide detail & present status	
23.	Status of Water Users Association for the project	
	(a) Status	Proposed to be formed/already formed
	(b) Detail if already formed & existing	Attach the detail including any G.O.
24.	Attach Salient features and index map of the project	

**25. Details of land requirement (such as Govt. land, Private land, forest land etc.) and its acquisition status:**

Sl. No.	Description	Land Required (Ha)				Land Acquired (Ha)				Balance land to be acquired (Ha)			
		Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land	Total land	Govt. Land	Private Land	Forest land
1.	Reservoir												
2.	Main Canals												
3.	Branch Canals												
4.	Distributaries and Minors and Water Courses												
5.	Resettlement & Rehabilitation												
6.	Any other purpose												
	Total												

**26. Details of Rehabilitation and Resettlement**

**26.1 Physical Detail**

Sl. No.	Description	No. of persons affected	No. of Family affected	No. of population Rehabilitated & Resettled as on date		No. of population to be Rehabilitated & Resettled as on date		Reasons for delay in implementing R&R
				No. of persons	No. of families	No. of persons	No. of families	
1.	R&R Detail							
2.	Detail of tribal population affected							
	Total							

## 26.2 Financial Detail

Sl. No.	Name of Item	Unit	Present Expenditure (Cr)	Balance Cost (Cr)	Remark
1.	Total cost	Crore			
2.	Land Cost	Crore			
3.	R&R Plan	Crore			
4.	Development of land	Crore			

## 26.3 Details of R&R plan including its approval, Cost of Rehabilitation etc.

### PART-B

#### GENERAL IRRIGATION SCENARIO OF THE STATE

##### 1. Source-wise irrigation achieved till previous financial year:

Sl. No.	Name of Source	CCA (Ha)	Remarks if any
1.	Canals		
2.	Dug Wells		
3.	Tubewells		
	a. Private		
	b. Govt.		
4.	Tanks/Check dams etc.		

##### 2. Detail of Irrigation Potential from completed projects

###### A. Major Irrigation projects

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						



**4. Status of micro irrigation in the State**

Sl. No.	Name of Project	Annual irrigation in Ha	Area under which micro irrigation implemented

**5. Overall plan size of irrigation sector, project wise allocation for different projects including O&M provisions**

Year	Budget Allocation Amount	% of State Budget	Expenditure on new project	O&M of existing	Revenue Collection	New Irrigation Potential created	Irrigation Potential restored

**6. Expenditure incurred in irrigation sector by State Government for the last five years including Central share and external borrowings year-wise.**

**Major Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr.	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

**Medium Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr.	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

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**Annexure-IV**

**Check list for investment clearance in respect of Revised Cost Estimate of Extension, Renovation and Modernisation (ERM) of Major, Medium Irrigation and Multipurpose Projects**

**PART-A: PROJECT SPECIFIC INFORMATION**

1.	Name of the Project	:								
2.	Type of project	:	Major Irrigation / Medium Irrigation/ Multipurpose							
3.	Name of River & Basin	:								
4.	Type of Diversion Structure	:	Dam/Barrage/Weir/Lift Scheme							
5.	Mode of distribution	:	Gravity/Lift/Mixed							
	If Lift, then annual power (Kwh)	:								
6.	Location of Head Work									
	District	:								
	Latitude & Longitude	:	... <sup>0</sup> ..... ' ..... " N, & ... <sup>0</sup> ..... ' ..... " E							
7.	Command Area Detail (As per Revised ERM)		<u>Pre-ERM</u>				<u>Post-ERM</u>			
	GCA (ha)	:								
	CCA (ha)	:								
	Annual Irrigation (ha)		<u>Kharif</u>	<u>Rabi</u>	<u>Sum mer</u>	<u>Total</u>	<u>Kharif</u>	<u>Rabi</u>	<u>Sum mer</u>	<u>Tota l</u>
	Annual Irrigation proposed to be covered under Micro Irrigation (ha)	:								
	Districts benefitted	:								
8.	Area Proposed to be benefitted	:	Drought prone/Hilly area/Tribal area/Naxal affected area							
9.	Other Benefits (As per Revised ERM)		<u>Pre-ERM</u>				<u>Post-ERM</u>			
	a. Drinking Water									
	Quantity allocated (MCM)	:								
	Population benefitted (In thousands)	:								
	District(s) Benefitted	:								
	b. Power Generation (MW)	:								
	c. Industrial Water (MCM)	:								
	d. Fisheries (Metric Tons)	:								
	e. Others	:								
10.	Date of investment clearance of original project (Attach copy)	:								
11.	Estimated cost of original project with Price Level	:	..... Crore @ Price Level.....							
12.	Date of investment clearance of original ERM of the project (Attach	:								

	copy)	
13.	Estimated cost of original ERM of the project with Price Level	: ..... Crore @ Price Level.....
14.	Approved revised ERM Cost by Advisory Committee of Ministry of Water Resources,RD&GR	: ..... Crore @ Price Level.....
15.	Cost per hectare of Annual irrigation (Rs. in lakh/ha)	:
16.	O&M charges of the project	
17.	Benefit Cost Ratio	:
18.	Whether there is change in scope in the ERM scheme i.e change in projects parameters resulting in change in nature and benefits.? If so details	
19.	Proposed mode of funding and Amount	: Central Assistance/ External Funding/ Domestic/ JICA/ NABARD/ World Bank/ State Govt. or any other sources
20.	Statutory Clearances	
	(a) Letter No. alongwith date of Environment Clearance granted by MoEF&CC (Attach copy)	:
	(b) Letter No. alongwith date of Forest Clearance granted by MoEF&CC (Attach copy)	:
	(c) Letter No. alongwith date of Clearance granted by MoTA (Attach copy) regarding tribal population affected	:
21.	State Finance Concurrence for the approved cost of revised ERM (letter no. & date, copy to be attached)	:
22.	Status of Environment Safeguard measures	
23.	Present Status of Financial and Physical activities of ERM	
	(a) Expenditure incurred upto last quarter (In Crore)	:
	(b) Physical progress	:
	Head Work (%)	:
	Main Canal (%)	:
	Branch Canals (%)	:
	Distributaries and minors (%)	:
	Command Area Development and Water Management (%)	:
	Resettlement & Rehabilitation (%)	:
	Land Acquisition (%)	:



## 29. Details of Rehabilitation and Resettlement

### 29.1 Physical Detail

Sl. No.	Description	No. of persons affected	No. of Family affected	No. of population Rehabilitated & Resettled as on date		No. of population to be Rehabilitated & Resettled as on date		Reasons for delay in implementing R&R
				No. of persons	No. of families	No. of persons	No. of families	
1.	R&R Detail							
2.	Detail of tribal population affected							
	Total							

### 29.2 Financial Detail

Sl. No.	Name of Item	Unit	Present Expenditure (Cr)	Balance Cost (Cr)	Remark
1.	Total cost	Crore			
2.	Land Cost	Crore			
3.	R&R Plan	Crore			
4.	Development of land	Crore			

### 29.3 Details of R&R plan including its approval, Cost of Rehabilitation etc.

**PART-B**

**GENERAL IRRIGATION SCENARIO OF THE STATE**

**1. Source-wise irrigation achieved till previous financial year:**

Sl. No.	Name of Source	CCA (Ha)	Remarks if any
1.	Canals		
2.	Dug Wells		
3.	Tubewells		
	a. Private		
	b. Govt.		
4.	Tanks/Check dams etc.		

**2. Detail of Irrigation Potential from completed projects**

**A. Major Irrigation projects**

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						

**B. Medium Irrigation projects**

Sl. No.	Name of Project	Year of completion	CCA (Ha)	Ultimate Irrigation Potential (ha)	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
1.						
2.						
3.						

**C. Minor Irrigation projects**

Type	Irrigation Potential Created (ha)	Irrigation Potential Utilised (ha)
Total surface water		
Total Ground Water		
Grand Total		



**6. Expenditure incurred in irrigation sector by State Government for the last five years including Central share and external borrowings year-wise.**

**Major Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

**Medium Projects**

S. No.	Name of the Project	Total Expenditure Rs. Cr	State share Rs. Cr.	Central Assistance Rs. Cr.	Borrowings Rs. Cr.	
					External	Domestic

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**Annexure-V**

**Check list for investment clearance in respect of Flood Control, Drainage, Anti-river erosion and Anti-sea erosion Projects**

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**1) Project Summary:**

Name of the Scheme	:		
Name of river, river basin and district in which the scheme is situated	:		
Whether overall Master Plan prepared or not?	:		
Whether the proposed scheme comes under the Master Plan? If so, please provide detail.	:		
Nature of scheme – whether new embankments, raising and strengthening of existing embankment, drainage, anti-erosion, town protection etc.	:		
Project proposal	:		
Area benefitted (for works other than anti erosion scheme)	:		
Districts benefitted	:		
Population benefitted	:		
Approved Cost by Advisory Committee of Ministry of Water Resources, RD&GR	:	..... Crore @ Price Level.....	
Construction programme and completion period:	Name of Component	Year	Physical programme in %
Phasing of expenditure:	Year		Proposed Expenditure (Rs. In Cr.)
	Total		
B.C ratio			
Attach salient features and index map of the scheme			

**2) Status of requisite administrative/ Statutory clearances:**

Whether the scheme has been recommended by the State Technical Advisory Committee and then approved by the State Flood Control Board. If so provide details.	
Letter No. along with date of Environment Clearance granted by MoEF&CC, if applicable. (Attach copy)	
Letter No. along with date of Forest Clearance granted by MoEF&CC, if applicable. (Attach copy)	
State Finance Concurrence for the approved cost (letter no. & date, copy to be attached)	

**3) Physical and financial progress of project for which investment clearance is being sought.**

Physical progress:

Sl. No.	Name of Component	Unit	Estimated quantity	Completed up to ____	Progress in %	Target for the balance quantity		Status of balance work	Reason for delay
						For the year__	For the year __		

Financial progress:

Sl. No.	Description	As per the approved cost (in Rs. Cr.)	Expenditure incurred as on _____ (in Rs. Cr.)	Balance expenditure to be incurred (in Rs. Cr.)	Target for the balance work	
					For the year__ (in Rs. Cr.)	For the year __ (in Rs. Cr.)

**4) On-going Flood Control projects of the State – their physical and financial progress and status of balance works.**

**4.1 Physical detail**

Name of the project:

Estimated Cost (with Price Level):

Sl. No.	Name of Component	Unit	Estimated quantity	Completed up to ____	Progress in %	Target for the balance quantity		Status of balance work	Reason for delay
						For the year__	For the year __		

**4.2 Financial detail**

Name of the project:

Estimated Cost (with Price Level):

Sl. No.	Head	As per the approved cost (in Rs. Cr.)	Expenditure incurred as on _____ (in Rs. Cr.)	Balance expenditure to be incurred (in Rs. Cr.)	Target for the balance work	
					For the year__ (in Rs. Cr.)	For the year __ (in Rs. Cr.)

**5) With implementation of the project for which investment clearance is sought the burden on financial resources of other on-going projects including O&M of other completed projects.**

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**Annexure-VI**

**Check list for investment clearance in respect of Revised Cost Estimate of Flood Control, Drainage, Anti-river erosion and Anti-sea erosion Projects**

**1) Project Summary:**

Name of the Scheme	:		
Name of river, river basin and district in which the scheme is situated	:		
Whether overall Master Plan prepared or not?	:		
Whether the proposed scheme comes under the Master Plan? If so, please provide detail.	:		
Nature of scheme – whether new embankments, raising and strengthening of existing embankment, drainage, anti-erosion, town protection etc.	:		
Area benefitted (for works other than anti erosion scheme)	:		
Districts benefitted	:		
Population benefitted	:		
Date of investment clearance of original project (copy may be attached)	:		
Original Estimated Cost with Price Level	: ..... Crore @ Price Level.....		
Approved Revised Cost by Advisory Committee of Ministry of Water Resources, RD&GR	: ..... Crore @ Price Level.....		
Whether there is change in Project proposal? If so, comparative statement of changes in the project proposal	Original Project Proposal	Project	Revised Project proposal
Construction programme and completion period:	Name of Component	Year	Physical programme in %
Phasing of expenditure:	Year		Proposed Expenditure (Rs. In Cr.)
	Total		
B.C ratio			
Attach salient features and index map of the scheme			

**2) Status of requisite administrative/ Statutory clearances:**

Whether the scheme has been recommended by the State Technical Advisory Committee and then approved by the State Flood Control Board. If so provide details.	
Letter No. along with date of Environment Clearance granted by MoEF&CC, if applicable. (Attach copy)	
Letter No. along with date of Forest Clearance granted by MoEF&CC, if applicable. (Attach copy)	
State Finance Concurrence for the approved cost (letter no. & date, copy to be attached)	

**3) Physical and financial progress of project for which investment clearance is being sought.**

Physical progress:

Sl. No.	Name of Component	Unit	Estimated quantity	Completed up to ____	Progress in %	Target for the balance quantity		Status of balance work	Reason for delay
						For the year__	For the year __		

Financial progress:

Sl. No.	Description	As per the approved cost (in Rs. Cr.)	Expenditure incurred as on _____ (in Rs. Cr.)	Balance expenditure to be incurred (in Rs. Cr.)	Target for the balance work	
					For the year__ (in Rs. Cr.)	For the year __ (in Rs. Cr.)

**4) On-going Flood Control projects of the State – their physical and financial progress and status of balance works.**

**4.1 Physical detail**

Name of the project:

Estimated Cost (with Price Level):

Sl. No.	Name of Component	Unit	Estimated quantity	Completed up to ____	Progress in %	Target for the balance quantity		Status of balance work	Reason for delay
						For the year__	For the year __		

**4.2 Financial detail**

Name of the project:

Estimated Cost (with Price Level):

Sl. No.	Head	As per the approved cost (in Rs. Cr.)	Expenditure incurred as on _____ (in Rs. Cr.)	Balance expenditure to be incurred (in Rs. Cr.)	Target for the balance work	
					For the year__ (in Rs. Cr.)	For the year __ (in Rs. Cr.)

**5) With implementation of the project for which investment clearance is sought the burden on financial resources of other on-going projects including O&M of other completed projects.**

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