

बिहार सरकार  
जल संसाधन विभाग

प्रेषक

विपिन बिहारी मिश्र  
संयुक्त सचिव (अभि0)

सेवा में

सभी मुख्य अभियंता,  
जल संसाधन विभाग ।

/पटना, दिनांक- 2/2/15

विषय-

Regarding ensuring water security, as part of the National Action Plan on Climate Change (NAPCC) .

प्रसंग-

Ministry of Water Resources River development and Ganga Rejuvenation, GoI , D.O. No. M-41012/2/2014-NWM.

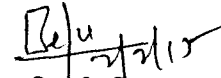
महाशय,

उपरोक्त प्रासंगिक पत्र की प्रति संलग्न करते हुए कहना है कि MoWR द्वारा निदेशित विन्दुओं को कार्यान्वयन अपने-अपने परिक्षेत्र में सुनिश्चित करेंगे ।

Goal संख्या IV, जिसके अनुसार "Increasing Water Use Efficiency by 20%" पर विशेष ध्यान देने की आवश्यकता है । इस संबंध में प्राप्त प्रतिवेदन soft copy में आपके emails पर उपलब्ध कराया जा रहा है ।

अनु0-यथोक्त ।

विश्वासभाजन,

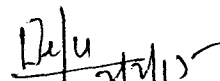
  
(विपिन बिहारी मिश्र)  
संयुक्त सचिव (अभि0)

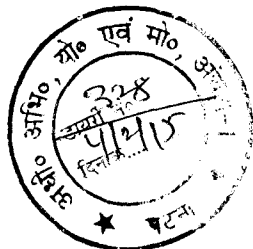
पत्रांक- 96

पटना, दिनांक- 2/2/15

प्रतिलिपि अधीक्षण, योजना एवं मोनिटरिंग अंचल सं0-1, पटना को Asian Development Bank (ADB) का final report की soft copy संलग्न करते हुए अनुरोध है कि इसे विभागीय web site पर upload करने की कृपा की जाय ।

अनु0-यथोक्त ।

  
(विपिन बिहारी मिश्र)  
संयुक्त सचिव (अभि0)



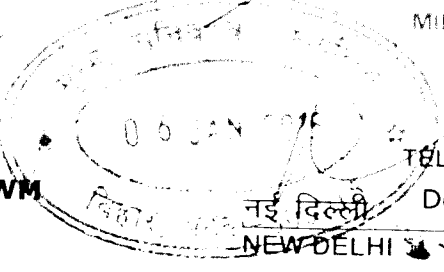


सत्यमेव जयते

ADDITIONAL SECRETARY  
GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES  
RIVER DEVELOPMENT AND  
GANGA REJUVENATION  
SHRAM SHAKTI BHAWAN  
TEL. NO.23710619 FAX NO.23725477

December 24, 2014

D.O. No. M-41012/2/2014-NWM



Dear Sir,

India faces a major crisis of water as we move into the 21<sup>st</sup> century. The demands of a rapidly industrialising economy and urbanising society come at a time when the potential for augmenting supply is limited, water tables are falling and water quality issues have increasingly come to the fore. This is likely to threaten the basic right to drinking water of our citizens; and may also put the livelihoods of millions at risk.

2. To ensure water security, the Government of India has launched the National Water Mission (NWM) as part of the National Action Plan on Climate Change (NAPCC) formulated by the Prime Minister's Council on Climate Change. The NWM has identified five goals and Goal No. IV is "Increasing water use efficiency by 20%" as one of its major goals. The Water Use Efficiency, currently, as you are aware, is low in our country, particularly in the irrigation sector where it is only 38% as compared to the international best practice of about 60% in developed countries. It is also pertinent to note that the irrigation sector utilizes about 80% of total water available in the country. Hence, there is an urgent need to improve the water use efficiency of Major-Medium Irrigation Schemes.

3. This Ministry in association with the Asian Development Bank (ADB) had undertaken a scoping study for the National Water Use Efficiency Implementation Support Programme (NWUEISP) for Major-Medium Irrigation Schemes. ADB has completed its study and final report of the study is enclosed herewith (a soft copy in CD) for undertaking water use efficiency support programme. The final Report can also be accessed at this Ministry's website [mowr.gov.in](http://mowr.gov.in). The key points can be seen at **Annexure**.

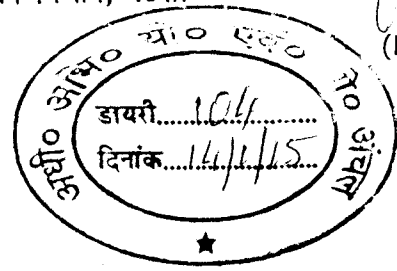
4. In Volume III of the Report, ADB has proposed Project Preparatory Technical Assistance (PPTA) to develop Multi tranche Finance Facility (MFF) or sector loan proposals for National Water Use Efficiency Implementation Support Programme (NWUEISP). ADB will also provide support for Implementation of the key activities under the National Water Mission. The State Governments/UTs are accordingly requested to identify pilot irrigation schemes/projects having low water use efficiency and take appropriate actions for formulation of project-wise proposals in accordance with the recommendations of the scoping study.

With regards,

गैर सरकारी प्रे.सं. 105  
दिनांक 13-1-15  
मु. अभि. यां. एवं मॉनिट.  
जल संसाधन विभाग, पटना।

Yours sincerely,  
(Dr. Amarjit Singh)

Shri Anjani Kumar Singh,  
Chief Secretary,  
Government of Bihar,  
Secretariat,  
Patna (Bihar).  
सचिव



स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल  
CONSERVE WATER - SAVE LIFE

12-1-15

13/1/15

152  
12/10/15

8/1/15

1603/2015 (STWD)

जल संसाधन विभाग, पटना  
दिनांक 12-1-15

## Annexure

- |               |   |
|---------------|---|
| Technical     | <ul style="list-style-type: none"><li>• Targeted maintenance work, including desilting</li><li>• Repair of old and installation of new control structures</li><li>• Upgrading of existing and installation of new measuring structures</li><li>• CAD works to improve water distribution at on-farm level, preferably with lined channels or buried pipes (head permitting)</li><li>• Selective lining of distributaries and minors</li><li>• Introduction of control and measurement structures for minor off-takes/outlets)</li></ul>             |
| Institutional | <ul style="list-style-type: none"><li>• Re-engage with participatory irrigation management</li><li>• Strengthen WALMIs and NGOs to support PIM</li><li>• Educate the ID in benefits of farmer participation</li><li>• Strengthen WUAs in water management and maintenance.</li><li>• Support WUAs in employing field staff (water masters) by using rebates from the water charge</li></ul>   |
| Management    | <ul style="list-style-type: none"><li>• Set performance targets</li><li>• Measure performance, including crop production</li><li>• Establish modern data collection, processing and analysis procedures, based on ITES.</li><li>• Liaise and work with water users</li><li>• Train ID staff in MCM</li><li>• Improve scheduling to allow for rainfall</li><li>• Monitor deliveries, establish user feedback system</li><li>• Establish incentives and reward system for ID staff related to scheme performance and achievement of targets</li></ul> |
| Legal         | <ul style="list-style-type: none"><li>• Amend the PIM Act to be more farmer-friendly and less prescriptive (involve water users in the redrafting)</li></ul>  |
| Finance       | <ul style="list-style-type: none"><li>• Carry out asset management surveys and prepare asset management plans (AMPs) for individual schemes</li><li>• Increase funding to match AMPs</li><li>• Assess the benefit/cost of increasing maintenance budget</li></ul>   |
| Policy        | <ul style="list-style-type: none"><li>• Focus on performance management</li><li>• Accept PIM and farmer involvement in scheme management</li><li>• Accept that management plays a central role in improving agricultural production and water use efficiency</li><li>• Change the culture of the ID, from construction to management focus</li><li>• Make the ID a multi-disciplinary organisation, with specialist expertise in a wide range of disciplines (irrigation, groundwater, ITES, computing, PIM, agriculture, etc.)</li></ul>           |