

RTI MATTER**SPEED/REG POST**

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate 5 वां तल (द 0), सेवा भवन,
 राम कृष्ण पुरम, नई दिल्ली -110066

E-mail : wppcdte@nic.in दूरभाष- 29583225

विषय: श्री मिहिर वेद, अहमदाबाद मिरर, द्वितीय तल, फादिया चेम्बर, आश्रम रोड, अहमदाबाद- पिन 380009 का दिनांक 25-02-2019 के आवेदन (CWCND/R/2019/80042 दिनांक 13-03-2019) द्वारा सूचना के अधिकार अधिनियम, 2005 के अंतर्गत मांगी गई सूचना के संबंध में।

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का अधिकार, केन्द्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 19-03-2019 को प्राप्त उपरोक्त आवेदन के संदर्भ में सूचित किया जाता है कि केन्द्रीय जल आयोग के जल आयोजन एवं परियोजना स्कन्ध में उपलब्ध बिन्दुवार सूचना वांछित सूचना निम्नानुसार है।

Sl. No.	Information sought	Reply
1	What is the amount spent till date by the Indian Government in promotion of the Statue of Unity.	The requisite information do not pertain to WP & P wing of Central Water Commission.
2	What is total the amount spent by the Indian Government till date in promoting Swachh Bhart Movement.	The requisite information do not pertain to WP & P wing of Central Water Commission.
3	What is the total amount spent by the Current Government in promoting Beti Bachao, Beti Padhao Yojana	The requisite information do not pertain to WP & P wing of Central Water Commission.

4	List all the Government schemes which have been promoted by the Indian Government since April 2014 and specify the amount spent on such scheme.	<p>MoWR, RD&GR, Government of India is implementing the Scheme for Repair, Renovation and Restoration (RRR) of water bodies which has multiple objectives like Comprehensive improvement and restoration of water bodies thereby increasing tank storage capacity, Ground Water Recharge, Increased availability of drinking water, Improvement in agriculture/horticulture productivity, Improvement of catchment areas of tank commands, Environmental benefits through improved water use efficiency; by promotion of conjunctive use of surface and ground water, Community participation and self-supporting system for sustainable management for each water body, Capacity Building of communities in better water management and Development of tourism, cultural activities, etc. The water bodies under the minor irrigation schemes which have a maximum CCA of 2000 ha (Rural water bodies) and satisfying the criteria of minimum 5 ha of water spread area in case of rural water bodies and 2-10 ha water spread area in case of urban water bodies are eligible to be included under the scheme RRR of water bodies. This is a continuing scheme since X Plan and is presently being implemented during XII Plan and onwards also.</p> <p>XII Plan & onwards:</p> <p>Pradhan Mantri Krishi Sinchae Yojana (PMKSY) was launched in 2015-16 with aims to enhance physical access of water on farm and expand cultivable area under assured irrigation, improve on farm water use efficiency, introduce sustainable water conservation practices etc. PMKSY-Har Khet Ko Pani (HKKP) is one of the components of PMKSY (HKKP). Under PMKSY the cabinet has approved for an outlay of Rs.9050 crore for PMKSY (HKKP) component with a target to create 21.0 lakh ha of irrigation potential including 1.50 lakh ha from RRR of water bodies scheme.</p> <p>The State wise Status of scheme of RRR of Water Bodies and funds released during XII Plan is enclosed as Annexure-A. Information in respect of PMKSY and Special Package for completion of Irrigation Projects is enclosed as Annex-I</p>
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Signature Not Verified
Digitally signed by PADMA
DORJE
Date: 2019.04.14 16:07:39 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

श्री मिहिर वेद, अहमदाबाद मिरर, द्वितीय तल, फादिया चेम्बर, आश्रम रोड, अहमदाबाद- पिन 380009

FILE NO. T-57077/1/2019-WPP COORD/

दिनांक :

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/91 दिनांक 15-03-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. **Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in**

**Status of Water Bodies included under the Scheme RRR of water bodies
during XII Plan & onwards (till date)**

(Rs in crore)

S. No.	Name of State	No. of Water Bodies Included	Total Project Cost	Central Share	Total Fund released	No. of Water Bodies Completed
1	Bihar	27	64.933	31.276	6.255	
2	Gujarat	61	102.908	61.7	8.8125	
3	Odisha	760	361.52	215.433	107.646	715
		103	87.51	52.503	3	19
4	Madhya Pradesh	125	183.242	93.01	37.70	121
5	Meghalaya	9	11.43	10.29	5.183	4
6	Manipur	4	65.442	58.9	10.3671	
7	Rajasthan	32	89.688	46.914	35.925	30
		36	98.132	39.8217	14.3026	1
8	Tamil Nadu	48	27.02	16.0615	5.1279	48
		56	27.30	16.3823	4.0956	56
		49	23.43	14.0556	7.0279	
9	Telangana	182	125.45	74.7934	44.876	141
		147	162.71	94.6193	28.9	
		70	50.53	30.3153	9.0946	
		176	120.49	72.2959	21.6887	
10	Uttar Pradesh	8	37.08	29.54	15.361	
		12	12.42	3.1052	1.0477	
		54	33.91	20.3436		
11	Uttarakhand	5	12.49	11.24		
Total		1964	1697.64	992.6	366.411	1135

I. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

Government of India has launched the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) during 2015 with the motto of 'Har Khet Ko Pani' ensuring access to some means of protective irrigation to all agricultural farms in the country, to produce 'per drop more crop', thus bringing much desired rural prosperity. The programmes as being implemented by the Government of India, viz Accelerated Irrigation Benefits Programmes (AIBP), Repair, Renovation and Restoration (RRR) of Water bodies and Command Area Development and Water Management (CADWM) have been subsumed in Pradhan Mantri Krishi Sinchayee Yojana (PMKSY).

In order to overcome the bottlenecks faced in completion of project under PMKSY-AIBP, during 2015-16, MoWR, RD&GR has identified 99 priority projects amongst the 149 ongoing projects under AIBP for early completion. Under the dedicated funding mechanism that is Long Term Irrigation Fund (LTIF) a special window has been created in NABARD which could be utilized by the Central and State Governments to bridge the requirement of funds for completion of the 99 priority projects including CAD works for central assistance as well as state share component. Out of these 99 priority projects 27 projects have been reported to be completed by March 2019 apart from some peripheral works and remaining projects are targeted to be completed by December 2019.

Details of central assistance, expenditure incurred and irrigation potential created since the inception of PMKSY are given as under.

Particulars	2015-16	2016-17	2017-18	Total
Central assistance (Cr. Rupees)	2327.80	3309.47	3596.61	9233.88
Expenditure incurred (Cr. Rupees)	10969.97	10648.43	5021.18	26639.58
Irrigation potential created (Th. Ha)	533.70	521.76	352.31*	1407.77

* Figures of IP creation are as per MIS and tentative. Final figures are yet to be received from the State Govts./Project Authorities

II. Special Package for completion of Irrigation Projects to address agrarian distress in Vidarbha and Marathwada and other chronically drought prone areas of Rest of Maharashtra

Government of India has sanctioned a special package for completion of Irrigation Projects to address agrarian distress in Vidarbha and Marathwada and other chronically drought prone areas of Rest of Maharashtra during June, 2018. The package consists of 8 Major and Medium Irrigation (MMI) Projects approved by TAC of MoWR, RD & GR and 83 Surface Minor Irrigation (SMI) Projects. The balance estimated cost of projects of Maharashtra to be completed under this package is Rs 13651.61 Cr as on 01.04.2018, with Rs 3831.41 Cr being the Central Assistance (CA) by Government of India. On completion of the balance works of these projects, additional Irrigation Potential of 3.77 Lakh Ha would be created.

Total central assistance provided under special package as on date is Rs. 500.00 Crore.

No specific information of other schemes (if any) is available as far as PMO, CWC is concerned.

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WP&P Coordination Directorate
तृतीय तल (द 0), सेवा भवन,
राम कृष्ण पुरम, नई दिल्ली -110066
E-mail : wppcdte@nic.in दूरभाष- 29583225

विषय: श्री सरत कुमार मोहंती, प्लॉट नं 61/1839, **Patrapada, Bhubaneshwar, Odisa** – पिन 751019, का दिनांक 26-03-2019 का आवेदन (CWCND/R/2019/80046) द्वारा सूचना के अधिकार अधिनियम, 2005 के अंतर्गत मांगी गई सूचना के संबंध में।

With reference to above RTI Application, which was received in this office on 28-03-2019 on transfer from CPIO, MOWR, RD & GR, New Delhi and Under Secretary & Nodal Officer for RTI, CWC, New Delhi, , it is to inform that as the subject matter under point No 2 to 4 of the application may be treated as NIL as far as WP&P Wing of CWC, New Delhi is concerned.

The information with respect to point No 1 of the RTI application is as under:

Sl. No.	Information sought	Reply
1	Are the State Governments allowed to squander AIBP money to construct unsafe works which may fail?	Assistance under AIBP to the State Govt. are provided as per fixed guide lines duly scrutiny of the proposals submitted by State Govt.

Signature Not Verified
Digitally signed by PADMA
DORJE
Date: 2019.04.11 16:10:26 IST

निदेशक Director
ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

श्री सरत कुमार मोहंती, प्लॉट नं 61/1839, **Patrapada, Bhubaneshwar, Odisa** –पिन 751019

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं0A-49012/8/2019/RTI/104 दिनांक 27-03-2019 के संदर्भ में सूचना

एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. **Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in**

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WP&P Coordination Directorate 5 वां तल (द 0), सेवा भवन,
राम कृष्ण पुरम, नई दिल्ली -110066

E-mail : wppcdte@nic.in दूरभाष- 29583225

विषय: सुश्री गीतिका सिंग, CISRS House, 14 Jungpura B Mathura Road, New Delhi Pin 110001, का दिनांक 28-03-2019 के आवेदन (CWCND/R/2019/50037) द्वारा सूचना के अधिकार अधिनियम, 2005 के अंतर्गत मांगी गई सूचना के संबंध में।

With reference to above RTI Application, which was received in this office on 02-04-2019 on transfer from Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/108 dt 01/04/2019), it is to inform that as the subject matter of the application is not related to WP&P Wing of CWC, the information may please treated as NIL as far as WP&P Wing of CWC, New Delhi is concerned.

Signature Not Verified
Digitally signed by B B Saikia
Date: 2019.04.04 17:08:35 IST

(बी बी शईकिया B. B. Saikia)

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

सुश्री गीतिका सिंग, CISRS House, 14 Jungpura B Mathura Road, New Delhi Pin 110001,

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/108 दिनांक 01-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

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केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,

राम कृष्ण पुरम, नई दिल्ली -110066

दूरभाष- 29583225

विषय: Information sought under RTI Act 2005 by, Shri Praveen, Research Schloar, Department of Mechanical Engineering, Karunya University, Coimatore, Tamilnadu, Pin: 641114 vide RTI application (MOWRC/R/2019/80059) dt 29/03/2019.

With reference to above RTI Application, which is received in this office on 02-04-2019 on transfer from MoWR, RD & GR (MOWRC/R/2019/80059 dt 29/03/2019), from Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/109 dt 01-04-2019), it is to inform that the subject matter of the application is not related to WP&P Wing of CWC, the information may please treated as NIL as far as WP&P Wing of CWC, New Delhi is concerned.

Signature Not Verified

Digitally signed by PADMA
DORJE

Date: 2019.04.26 09:27:55 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

Shri Praveen, Research Schloar, Department of Mechanical Engineering,
Karunya University, Coimatore, Tamilnadu, Pin: 641114.

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/109 दिनांक 01-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

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Central Water Commission
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WP&P Coordination Directorate
5 वां तल (द 0), सेवा भवन,
राम कृष्ण पुरम, नई दिल्ली -110066

E-mail : wppcdte@nic.in दूरभाष- 29583225

विषय: श्री सरत कुमार मोहंती, प्लॉट नं 61/1839, **Patrapada, (Near Andhra Bank) Bhubaneshwar, Odisha** -पिन 751019, का दिनांक 28-03-2019 का आवेदन द्वारा सूचना के अधिकार अधिनियम, 2005 के अंतर्गत मांगी गई सूचना के संबंध में।

With reference to above RTI Application, which was received in this office on 02-04-2019 on transfer from Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/111 dt 01/04/2019).), it is to inform that as the subject matter of the application is not related to WP&P Wing of CWC, the information may please treated as NIL as far as WP&P Wing of CWC, New Delhi is concerned.

Signature Not Verified
Digitally signed by B. B. SAIKIA
Date: 2019.04.04 17:11:07 IST

(बी बी शईकिया B. B. Saikia)
निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

श्री सरत कुमार मोहंती, प्लॉट नं 61/1839, **Patrapada, (Near Andhra Bank) Bhubaneshwar, Odisha** – पिन 751019

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं0A-49012/8/2019/RTI/111 दिनांक 01-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

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Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,

राम कृष्ण पुरम, नई दिल्ली -110066

दूरभाष- 29583225

विषय: सूचना का अधिकार, 2005 के अंतर्गत श्री अजित सिंह , उत्तर प्रदेश - 201309 (ईमेल: ajeetsingh4248@gmail.com) के दिनांक 31/03/2019 का आवेदन (सीडबल्यूसीएनडी/आर/2019/50043) द्वारा मांगी गई सूचना के संबंध में।

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का अधिकार, केन्द्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 04-04-2019 को प्राप्त उपरोक्त आवेदनके संदर्भ में सूचित किया जाता है कि सूचना का विषय केन्द्रीय जल आयोग के जल आयोजन एवं परियोजना स्कन्ध से संबन्धित नहीं होने के कारण सूचना उपलब्ध नहीं /शून्य है । अतः आवेदक से निवेदन है की विषय सम्बन्धी सूचना, संबन्धित प्रोजेक्ट अभिकरण से प्राप्त करे।

Signature Not Verified
Digitally signed by PADMA DORJE
Date: 2019.05.01 17:54:03 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

श्री अजित सिंह , उत्तर प्रदेश - 201309 (ईमेल: ajeetsingh4248@gmail.com)

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केन्द्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/118 दिनांक 02-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

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Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,
राम कृष्ण पुरम, नई दिल्ली -110066
E-mail : wppcdte@nic.in दूरभाष- 29583225

विषय: सूचना का अधिकार, 2005 के अंतर्गत श्री विनय कुमार , ग्राम व पोस्ट बेलवा, परिमंडल पिपराही, जिला शिवहर, बिहार पिन 84334 के दिनांक 12/03/2019 का आवेदन: (MOWRC/R/2019/50086) द्वारा मांगी गई सूचना के संबंध में।

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का अधिकार, केन्द्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 19-03-2019 को प्राप्त उपरोक्त आवेदनके संदर्भ में सूचित किया जाता है कि सूचना का विषय केन्द्रीय जल आयोग के जल आयोजन एवं परियोजना स्कन्ध से संबन्धित नहीं होने के कारण सूचना उपलब्ध नहीं/शून्य है ।

Signature Not Verified
Digitally signed by PADMA
DORJE
Date: 2019.04.11 16:01:28
IST

निदेशक Director

ज. आ. एवंप.स. नि. तथामुख्यजनसूचनाअधिकारीWP&P (C) & CPIO

श्री विनय कुमार , ग्राम व पोस्ट बेलवा, परिमंडल पिपराही, जिला शिवहर, बिहार पिन 84334 के दिनांक 12/03/2019

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केन्द्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं0 A-49012/8/2019/RTI/87 दिनांक 12-03-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. **Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in**

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,

राम कृष्ण पुरम, नई दिल्ली -110066

दूरभाष- 29583225

विषय: Shri Vatti Vasanth Kumar, M. M. Purram, Pulla Village, Bhimadolu Mandat, West Godavari Distt., Andhra Pradesh, Pin:534401 का दिनांक 04.04.2019 का आवेदन (CWCND/R/2019/80055) दिनांक 04.04.2019 द्वारा सूचना के अधिकार अधिनियम 2005 के अंतर्गत मांगी गयी सूचना के संबंध में।

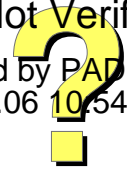
With reference to above RTI Application, which was received in this office on 08-04-2019 on transfer from CPIO, MOWR, RD & GR, New Delhi and Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/126 dt 08/04/2019), the information available with WP&P wing of CWC is as under:

S No	Ref to Information asked (Point No)	Reply
1	a	Copy of various correspondence related to point No a & b is enclosed. No information is available in regard with Tadipudi Lift Irrigation Scheme.
2	b	
3	c	The information may be treated as Nil as far as WP&P wing of CWC is concerned.
4	d	The information sought is available in CWC publication "Legal instruments on Rivers in India (Vol-II) and are available on CWC Web site http://old.cwc.gov.in/main/downloads/legalinst-Volume-II.pdf .
5	e	
6	f	The information may be treated as Nil as far as WP& P Wing of CWC is concerned.
7	g	
8	h	

Signature Not Verified

Digitally signed by PADMA DORJE

Date: 2019.05.06 10:54:41 IST



निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

Shri Vatti Vasanth Kumar, M. M. Purram, Pulla Village, Bhimadolu Mandat, West Godavari

Distt., Andhra Pradesh, Pin:534401

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं0A-49012/8/2019/RTI/104 दिनांक 27-03-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

No. 21/53/2017-PA(S)/231-95

भारत सरकार Govt. of India
केन्द्रीय जल आयोग Central Water Commission
परियोजनामूल्यांकन (उत्तर) विभाग Project Appraisal (S) Dte.

टेली. केन्द्र/ Tele/ Fax: 011-29583418
ई-मेल/ E-mail: pasdte-cwc@nic.in

मजिस्- 7वां तल (द.) / 7th Floor
सेवाभवन / Sewa Bhawan
आर.के. पुरम / R.K. Puram
नई दिल्ली / New Delhi-110066
Date: 29/03/2019

To,
The Chairman,
Godavari River Management Board,
5th Floor, Jalsoudha Building,
Erramanjil,
Hyderabad.

Sub: PMO reference dated 23rd January, 2019 enclosing letter dated NIL of Dr.V.Vasant Kumar, Former Minister, Govt. of Andhra Pradesh, regarding interlinking of rivers by way of Lift Irrigation in Andhra Pradesh.

Sir,

Reference is invited to the letter No 8/5/2018/PMO/WP&P(C) (letter enclosed) regarding PMO reference of Dr.V.Vasant Kumar, Former Minister, Govt. Of. Andhra Pradesh, where in, views /comments of CWC were requested on the subject matter.

The following Lift Irrigation Projects initiated by State of Andhra Pradesh, have been referred to in the above reference:

1. Pattiseema Lift Irrigation Scheme	Rs.1667.14 Crores
2. Purushothapatnam Lift Irrigation Scheme	Rs.1700 Crores
3. Chintalapudi Lift Irrigation Scheme	Rs.4909.80 Crores
4. Godavari-Penna Linking Scheme	Rs.6020.15 Crores

The projects have not been appraised at Project Appraisal (South) except Chintalapudi Lift Irrigation Scheme and no specific information is available for Schemes No 1, 2, 4 in PAO.

It is pertinent to say that the DPR of Chintalapudi Lift Irrigation Scheme, Andhra Pradesh was received in this office in 2016. However, the project was sent back and project authority was requested to submit the revised DPR attending all the deficiencies to CWC through GRMB. It was never submitted back.

Accordingly, your views /comments on the issues raised by Dr. Vasant Kumar in respect of above four projects may please be communicated so that the subject matter may appropriately be disposed from this end.

Encls: PMO ref.(8/5/2018/PMO/WP&P sent
through Mail ID: chairman-grmb@gov.in

(Rajiv Kumar)
Director, PA (S)

Copy for kind information to:

1. Member Secretary, PPA, Hyderabad
2. Director, (WP & P) Co-ord Dte, CWC, New Delhi.
3. Director, TC Dte, CWC, New Delhi.
4. Director, NP, CWC, New Delhi

F.No.7/1/PMO/2019/PPA/1024-1025

PMO References

Government of India

Ministry of Water Resources, River Development and Ganga Rejuvenation

Polavaram Project Authority

Tele No: 040 – 29700903

Fax No: 040 – 29700906

polavaram.authority@gmail.com

11-4-648, AC Guards,
Krishna Godavari Bhavan,
Hyderabad – 500 004.

Dated: 10.04.2019

To .

The Director,
National Project Directorate,
Central Water Commission,
8th Floor (N), Sewa Bhawan,
R.K.Puram, Sector-1,
New Delhi – 110066.

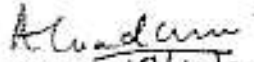
Sub: PMO reference of Dr.V.Vasant Kumar, Former Minister, Govt. of A.P. regarding Interlinking of rivers by way of Lift Irrigation in AP received from National Project Directorate, Central Water Commission.

Ref: 1) NP Dte, Letter No.4/7/2017/NP/Vol-IX/1604 dtd 22.02.2019.
2) NP Dte, Letter No.2/8/2012/NP-II/Vol.V/665-68 dtd 20.03.2019.

Sir,

Kind reference is invited to letter (s) cited on above mentioned subject. In this regard, it is to mentioned that Polavaram Project Authority (PPA) is dealing with only Polavaram Irrigation Project. Hence requisite information of projects referred in PMO reference vide letter dated 23.01.2019 of Dr.V.Vasant Kumar, Former Minister, Government of Andhra Pradesh is not available in this office.

Yours faithfully,


(A.K.Pradhan) 10/4/2019
Member Secretary

Copy to the Director, PA(S), CWC, New Delhi w.r.t to Email dated 29.03.2019 and 08.04.2019.

भारतसरकार/ Govt. of India
केन्द्रीय जल आयोग/ Central Water Commission
परियोजनामूल्यांकन (दक्षिण) निदेश/Project Appraisal (S) Dte.

टेली/ फैक्स/ Tele/ Fax: 011-29583418
ई-मेल/ E-mail: pasdte-cwc@nic.in

मजिल—7वां मंज(द.)/7th Floor
सेवाभवन / Sewa Bhawan
जवाहर, पुरम / R.K. Puram
नई दिल्ली/New Delhi-110066

Sub: PMO reference dated 23rd January, 2019 enclosing letter dated NIL of Dr.V.Vasant Kumar, Former Minister, Govt. of Andhra Pradesh, regarding interlinking of rivers by way of Lift Irrigation in Andhra Pradesh.

Ref. No. (i) WP&P Dte. letter no. 8/5/2018/PMO/WP&P(c)/61-64 dated 13.02.2019
(ii) SJC letter no. R-14012/2/2019-Pen.Riv dated 04.02.2019.

Sir,

Reference is invited to the letter No 8/5/2018/PMO/WP&P(C) regarding PMO reference of Dr.V.Vasant Kumar, Former Minister, Govt. Of Andhra Pradesh, where in, views /comments of CWC were requested on the subject matter.

The following Lift Irrigation Projects initiated by State of Andhra Pradesh, have been referred to in the above reference:

1. Pattiseema Lift Irrigation Scheme	Rs.1667.14 Crores
2. Purushothapatnam Lift Irrigation Scheme	Rs.1700 Crores
3. Chintalapudi Lift Irrigation Scheme	Rs.4909.80 Crores
4. Godavari-Penna Linking Scheme	Rs.6020.15 Crores

The above projects have not been appraised at CWC except Chintalapudi Lift Irrigation Scheme and no specific information is available for Schemes No 1, 2, 4 in CWC.

It is pertinent to say that the DPR of Chintalapudi Lift Irrigation Scheme, Andhra Pradesh was received in CWC, New Delhi in 2016. However, the project was sent back and project authority was requested to submit the revised DPR attending all the deficiencies to CWC through GRMB. Subsequently it was never submitted back.

However, the comments/observations as received from Godavari River Management Board (GRMB), Hyderabad and Polavaram Project Authority (PPA), Hyderabad on the above schemes are as follows:

(A)

Sl.No	Project Name	Status of The Project
1.	PATTISEEMA LIS	DPR submitted to GRMB. After scrutiny GRMB raised some observations for clarification to GoAP on 18th May, 2018 but reply is still awaited.
2.	PURUSHOTHAPATNAM LIS	GRMB requested GoAP several times for submitting DPR but still it is pending.
3.	CHINTALAPUDI LIFT IRRIGATION	CWC returned DPR to GoAP as mentioned above. The GoAP has not submitted revised DPR to GRMB till date.
4.	GODAVARI PENNA LINKING SCHEME	DPR was not submitted to GRMB for studying feasibility of the project and for technical clearance.

(B)

PPA has offered no comments on the above subject matter.

15/4/19
(N. Mukherjee)
Director, PA (S)

Senior Joint Commissioner, MoWR, RD & GR, Pen. River Wing.

No. 21/53/2017-PA(S)/ 366 - 371

Dated: 18.04.2019

Copy for kind information to:

1. Chairman, GRMB, Hyderabad/ Member Secretary, PPA, Hyderabad.
2. Director, National Project Directorate, CWC, New Delhi.
3. Director, (WP & P) Co-ord Dte., CWC, New Delhi.
4. Director, TC Dte., CWC, New Delhi.

भारत सरकार
जल संसाधन, नदी विकास और
गंगा संरक्षण मंत्रालय
गोदावरी नदी प्रबंधन बोर्ड
५ वी मंजिल, जलसीधा
एरुम मंजिल, हैदराबाद- ५०० ०८२



Government of India
Ministry of Water Resources
River Development & Ganga
Rejuvenation
Godavari River Management Board
5th Floor, Jalasoudha, Errum Manzil
Hyderabad- 500 082

Lr. No. GRMB/ CHIN /2018/456-457

Dt: 05.04.2019

The Director,
Project Appraisal (S) Directorate,
Central Water Commission,
7th Floor, Sewa Bhawan,
R.K. Puram, New Delhi - 110066.

Sub.: PMO reference dated 23.01.2019 enclosing letter dated NIL of Dr. V. Vasant Kumar, Former Minister, Govt. of Andhra Pradesh, regarding interlinking of rivers by way of Lift irrigation in Andhra Pradesh -reg.

Ref.: 1. MoWR, Lr. No. R-14012/2/2019-Pen. Riv. Section, Dt: 04.02.2019 along with PMO letter dated 23.01.2019.
2. GRMB, Lr. No. GRMB/CHIN/2018/209-211, Dt: 22.02.2019.
3. CWC, Lr. No. 21/53/2017-PA(S)/291-95, Dt. 29.03.2019.

Sir,

Kind attention is invited to the reference 1st cited above vide which MoWR requested this office to furnish the views / comments on the above subject matter so as to enable them to furnish reply to PMO at an early date. This office forwarded the letter to GoAP vide reference 2nd cited above for their views. The same is still awaited.

The DPRs of the Projects namely Purushothapatnam LJS, Chintalapudi LJS, Godavari-Penna linking scheme have not been made available to GRMB for appraisal for technical clearance under A.P. Reorganisation Act, 2014 by GoAP.

The status of the submission of proposals as available in GRMB in response to your letter 3rd cited above is as follows:

S.NO	PROJECT NAME	STATUS OF THE PROJECT IN GRMB
1	PATTISEEMA LIS	DPRs submitted to GRMB. After scrutiny some observations were raised by GRMB for clarification to GoAP on 18.05.2018 (Copy enclosed). But the reply is still awaited. However, status report on Pattiseema LIS (AP) prepared by GRMB was also furnished to CE(PAO), CWC vide this office letter even number dated 18.05.2018 (Copy enclosed for ready reference).
2	PURUSHOTHAPATNAM LIS	GRMB requested GoAP repeatedly to furnish the DPR for appraisal for giving technical clearance. The same is still pending from GoAP.
3	CHINTALAPUDI LIS	CWC returned DPRs to GoAP with certain remarks and requested to prepare revised DPRs and furnish to GRMB. GoAP has not furnished revised DPRs to GRMB for onward submission to CWC.
4	GODAVARI-PENNA LINKING SCHEME	DPR not submitted to GRMB for studying feasibility of the project and for giving technical clearance.

This issues with the approval of Chairman, GRMB.

Encl.: As above.

Yours faithfully,

(P.S. Kutiyal)

Member

Copy to the Sr. Joint Commissioner (Pen. River Wing), MoWR, RD & GR,
Room No. 107 B, Shastri Bhawan, New Delhi - 110001.

भारत सरकार
जल संसाधन, नदी विकास और
नंगा संरक्षण मंत्रालय
गोदावरी नदी प्रबंधन बोर्ड
५ वी मंजिल, जलसंधि
एररुन मंजिल, हैदराबाद- ५०० ०८२



Government of India
Ministry of Water Resources
River Development & Ganga Rejuvenation
Godavari River Management Board
5th Floor, Jalasoudha, Errunt Manzil
Hyderabad- 500 082

Lr. No. GRMB / PATT / 2018 / 960-961

Dt: 18.05.2018

To,
The Secretary to Govt.,
Water Resources Department,
Government of Andhra Pradesh,
Room No. 216, 1st Floor,
4th Block, A.P. Secretariat,
Velagapudi, Amaravathi,
Guntur Dist., Andhra Pradesh.

Sub.: Construction of Lift Irrigation Project at Pattiscema to divert flood water /remaining water from River Godavari to River Krishna by Government of Andhra Pradesh-Submission of Project Reports-reg.

Ref: 1. Lr No SE/PIPHW/OT2/AEE3/PLS/Vol.3/C/1572M Dt: 1-12-2015.

2. Lr No. WRD-19063/13/2015-PROJECTS-I-WRD Dt: 16-03-2016.

Sir,

It is to mention that the Project Report (Vol-I) of "Diversion of water from River Godavari to River Krishna through Polavaram Project Right Main Canal for domestic and industrial use as a part of water grid at Bangarammapet (V) of Polavaram (M) of West Godavari (Dt)" was submitted to GRMB vide 1st reference cited above. On request of GRMB, another 4 copies of Project Report (Vol-I) were also submitted to this office vide reference 2nd cited above and the same were forwarded to CWC for techno economical examination. Inter-State Matters Directorate, Cost Appraisal (Irrigation) Directorate, Hydrology (South Directorate) of CWC communicated some observations to this office. Those were communicated to Engineer-in-Chief (Irrigation), GoAP vide this office letter dated 18.08.2017 with the request to furnish the compliance report directly to CWC under intimation to this office.

However, the compliance has not been carried out so far. Therefore, it is again requested to comply with the observations of CWC, under intimation to this office.

This office also requested ENC(I) to furnish the Vol (II & III- 6 copies) vide this office letter dated 12.09.2017. Vol (II & III-1copy) was furnished to GRMB during 6th Board meeting held on 12.12.2017.

Project Report (Vol-I) and estimate (Vol-II) of Pattiseema LIS has been scrutinised in this office and following observations are made:

1. The project report & estimate submitted to GRMB is incomplete in respect of the "guidelines for preparation the project report", as the consolidated checklist of contents and details of the reports is not given.
2. The project report & estimate, at one hand state that the scheme is contemplated as part of Polavaram to derive early benefits and it does not involve any interstate aspects since the yield and utilization of Polavaram project are already approved by TAC of MoWR.

On the other hand it is stated that the project is lifting **surplus water** during floods spilling over Sir Arthur Cotton Barrage on river Godavari (above 75% dependable yield). These two statements are contradictory.

Therefore, it may be clarified whether the water used by this LIS is within the 75% dependable yield as per agreement in GWDT award for Polavaram project or surplus water (above 75% dependable yield) during floods.

In this regard, it is to mention that in case this LIS is not a part of Polavaram project and is based on surplus water (above 75% dependable yield) during floods, then it is to be considered as a new project and needs to be technically cleared by GRMB as per Section 85 (8) (d) and to be approved by the Apex council as per Section 84 (3) (ii) of A.P. Reorganisation Act, 2014.

3. The details of the ayacut served by this LIS are not given, which may also be clearly mentioned so that it may be ascertained whether the ayacut served by this LIS is one and the same as served by Polavaram project or not. It is requested to furnish the ayacut map and details.

4. As per the DPR (Vol-II), estimate for the scheme, the expenditure is chargeable to the Head of Account "DA 4700 - Capital out lay in Major Irrigation - 01 - Major Irrigation - Commercial - MH 120- Polavaram Barrage - GH 11- Normal State Plan -SH 27 canals and distributaries - 530 Major Works - 531 other expenditure".

Therefore, the cost of the LIS needs to be included in the cost of Polavaram project for calculation of B.C Ratio & IRR etc of Polavaram project. Accordingly, revised DPR/Estimate of Polavaram project may be prepared and submitted to CWC for appraisal, under intimation to this office.

This issues with the approval of Chairman, GRMB.

Yours faithfully,

O/C

(P.S. Kutiyal)
Member

Copy to the Engineer-in-Chief (I), Water Resources Department, Irrigation Compound, PWD Grounds, Vijayawada for necessary action please.

Dispatched
18/5/18

STATUS REPORT ON PATTISEEMA LIS (ANDHRA PRADESH)

DIVERSION OF FLOOD WATER/REMAINING WATER FROM RIVER GODAVARI TO RIVER KRISHNATHROUGH POLAVARAM PROJECT RIGHT MAIN CANAL FOR DOMESTICAND INDUSTRIAL USE, AS A PART OF WATER GRID AT BANGARAMMAPET (V) OFPOLAVARAM MANDAL WEST GODAVARI DISTRICT.

1. The Govt. of Telangana (GoT) vide letter No.2151/IS.EA1/2015, Dt:03.07.2015 requested GRMB that appropriate orders be passed restraining the State of AP from proceeding with lift irrigation project at Pattiseema to divert flood water / remaining water from River Godavari to Krishna basin through Polavaram RMC by stating that -
 - (i) "The Government of Andhra Pradesh issued administrative approval vide G.O.MS.No.1, dt:01.01.2015 for diversion of flood water from River Godavari to River Krishna through Polavaram project Right Main Canal for domestic and industrial use by constructing a lift irrigation scheme at Pattiseema located d/s of Polavaram project site".
 - (ii) The State of AP intends to draw 80TMC or more water during flood days
 - (iii) The unilateral decision of GoAP is contrary to mandate of Section 84 (3) (ii) and 85 (8) (d) of A.P. Reorganisation Act, 2014 and is totally illegal.
 - (iv) Under Section 90 of AP reorganisation Act, Polavaram project is declared as a National Project. It is agreed in GWDT award that a quantity of 80TMC at 75 % dependability of Godavari water can be diverted to Krishna basin from Polavaram Project thereby displacing the discharges from Nagarjuna Sagar Project to Krishna Delta and it enables the use of 80TMC in river Krishna for projects upstream of Nagarjuna Sagar.

- (v) The agreement dated 4.8.1978 between erstwhile AP and Karnataka, in clause 7(f) made provision for an eventuality of more than 80TMC of water being diverted from Godavari to Krishna further diminishing the release from Nagarjuna Sagar and made it clear that such excess quantity shall also be shared between the three States in the same proportion. The proposed lift scheme flood water of 80TMC creates a right to have allocation in favour of the States of Telangana, Karnataka and Maharashtra.
- (vi) As per agreement dated 7.8.1978 between Maharashtra, MP and erstwhile AP, which is also part of GWDT creates specific rights in favour of erstwhile AP over the remaining water generated in different sub-basins. After bifurcation of erstwhile AP this right has accrued / devolved in favour of both the successor States of Telangana and AP. The remaining water neither quantified nor apportioned between AP and Telangana. Without such determination and apportionment, it is highly inappropriate on the part of the State of AP to proceed with any project for diversion of remaining water from Godavari.
- (vii) The decision of Govt. of AP is highly inappropriate, illegal and would adversely affects the rights of Telangana State over the remaining water in Godavari River and also the rights of upper riparian States in Krishna Basin.
2. The Govt. of AP vide letter No.WRD-19063/13/2015-Projects-I-WRD dated 5-8-2015 and letter No. ENC(I)/EE/DEE-2/AEE-3/GRMB/2015 dated 27.08.2015 sent their views/comments on the GoTS letter dated 3-7-2015 by stating that -
- (i) Govt of Andhra Pradesh G.O.MS.No. 1, Dt:01.01.2015 under Para 3 & 4 clearly stated that, as the completion of head works of ISPP will take four years, it is proposed to divert 80 TMC of waters of Godavari to Krishna river by lift by providing 30 vertical turbine pumps each of 8 cusecs discharging capacity at an estimated cost of Rs.1300 crore which can be redeployed once the water is available through gravity after completion of head works of Polavaram project.

As the proposed pumping at Pattiseema is mainly intended to achieve early benefits by making use of the Right Main Canal which is almost completed as a part of Polavaram project, the said proposal is well within the frame work of Godavari Award and the decision to take up the Pattiseema LIS by GoAP cannot be termed unilateral or does not fall into the category of new projects which must be approved by River basins and Apex council as per AP reorganisation Act. There is no additional utilization of water over and above which is in the award nor there is a new scheme separate for Polavaram Project. It is only an early diversion through an electro mechanical system which otherwise would be functional through a gravity system at a later date.

- (ii) AP is the lower riparian State in G-12(Sub-basin) of Godavari basin and below Polavaram project, there is no sharing boundaries with any other state. Therefore, contention that by Pattiseema lift the interest of Telangana state being affected is completely erroneous and unfounded.
- (iii) The Present proposal is as per the clause 7 (a) of the agreement dt:04.08.1978 between the States of AP and Karnataka vide Annexure C of GWDT Award wherein the State of AP agrees to draw a quantity of 80 TMC at 75% dependability of Godavari water from Polavaram Project, the question of application of clause 7 (f) of the said agreement of GWDT Award regarding drawls of water in excess of 80TMC at 75% dependability does not arise.
- (iv) The KWDT-2 while reiterating the Clause XIV (B) of final order by the KWDT-1 observed that with regard to the proposed diversion of 80 TMC of Godavari water from Polavaram Project, there is already an agreement among the States that 45 TMC shall go to AP, 25TMC to Karnataka and 14 TMC to Maharashtra.
- (v) The apprehension of the State of Telangana that G.O. Ms No.1 of I&CAD (Proj.I. A2) Dept. dated 1-1-2015 is illegal and adversely affects the rights of Telangana State over the remaining waters in River Godavari and also the rights of upper riparian states in Krishna basin is totally unfound.

3. The Govt. of Telangana (GoT) vide letter No.2151/IS.EA1/2015, Dt:08.09.2015 and Lr. No. ENC(I)/DCE-1/OT-2/EE-4/Pattiseema /2015 Dt.19.09.2015 requested GRMB to take necessary action to ensure that the interests of Telangana State are protected by giving replies to GoAP letter No.WRD-19063/13/2015-Projects-I-WRD dated 5-8-2015 and ENC(I), WRD Lr No ENC(I)/EE/DEE-2/AEE-3/GRMB/2015 dated 27-08-2015 and stated that -
- (i) It is fact that Polavaram, a gravity flow-based project mentioned in the Bachawat Award on Godavari river. However, there is no mention of any Pattiseema Lift irrigation Scheme either in the Award or in any other interstate agreement.
 - (ii) Pattiseema LIS though uses the RMC of Polavaram Project as water conveyance system, it cannot be camouflaged as short term alternative measure of Polavaram Project. Although GoAP has stated that Pattiseema Lift Irrigation is only an early diversion through an electromechanical System which otherwise, would be replaced by a Gravity System, on completion of Polavaram Project at a later date. In fact, a gravity base system is being further supplemented by a new Pattiseema LIS.
 - (iii) The contention that by Pattiseema LIS, the interest of the Telangana State will not be affected is incorrect. The State of Telangana after bifurcation has a share in the quantum of water allocated to erstwhile AP by Bachawat Award. Accordingly G.O Ms.No.1, I & CAD (Proj.I.A2) Dept., Dt.01.01.2015 is ultravires, illegal and would adversely affect the rights of Telangana State over Godavari river water.
 - (iv) While sanctioning Pattiseema Lift Irrigation Project, the Govt. of AP has taken up a new project violating the letter and spirit of the AP Reorganisation Act, 2014. As Pattiseema Lift Irrigation Project is a new Project, the Board may wish to state whether any such appraisal was done for this Project.

- (v) Stating that the Pattiseema LIS as an interim arrangement is immaterial. The AP State has conceived, sanctioned and implemented Pattiseema LIS for diverting 80TMC of waters for which there is no sanction from any appropriate authority. This fact could be further collaborated by the facts that AP has straightaway given administrative orders for taking up construction of the Project at a cost of Rs.1300 Crores even before DPR was prepared and submitted. The statement that it is not a new project is not only misleading but a clear after thought.
- (vi) In their communication, Govt. of AP further states that this is within the frame work of Godavari Award which is totally incorrect. Polavaram is a scheme to deliver Godavari water by means of Gravity whereas Pattiseema is purely a Lift Scheme. It is irrelevant and immaterial whether Pattiseema would continue or disbanded once Polavaram fructifies. Further, in reply to the up-starred question No. 543 answered on 23-07-2015 in the Lok Sabha the Minister for Water Resources, River Development & Ganga Rejuvenation has stated that the Pattiseema Project is not part of Polavaram Project and no project proposal has been received in CWC/MoWR, RD &GR.
- (vii) As regards interest of Telangana State in the Godavari water is concerned, attention of AP is invited to Agreement Dt.07.08.1978 entered into between States pertaining to G5, G6, G7, G8, G9, G10, G11 and G12 sub-basins of Godavari. After bifurcation of erstwhile AP, both Telangana and AP have their due share and interest in all the waters of the Godavari in the aforesaid Sub-basins. Therefore, Government of AP's contention that Telangana Govt., interests will not be adversely affected is totally unfounded.
- (viii) The Govt. of AP issued G.O Ms No.1 Dt.01.01.2015 according in-principle administrative approval for diversion of water from river Godavari to river Krishna through Polavaram project RMC for domestic and industrial use only as a part of water grid for an amount of Rs.1300 Crores. There is no mention about meeting the requirement of Krishna Delta, enroute requirements of ISRMC.

- (ix) The State of AP is stating that Pattiseema Project has been taken for utilising flood waters only and that it is within its right for doing so, which is not based on any factual vide GWDT Award.
 - (x) The AP Govt., is going ahead with the plea that they can take shelter under surplus flows or flood flows which will not be measured and sharing Krishna water savings to be given to other States, which is contrary to Clause VIII (a) of GWDT Award which stipulates "use of water of River Godavari by any person or entity of any nature whatsoever within the territories of a State shall be reckoned as use by that State".
 - (xi) As per the section 84(3)(ii) & 85(8)(d) of AP Reorganisation Act, 2014, any new project on river Godavari shall be vetted, appraised and recommended by GRMB and by CWC to the Apex Counsel.
 - (xii) Polavaram Project and Pattiseema LIS are two separate schemes located at different points on the main river Godavari at about 10km apart and are simultaneously under execution for which RMC is a common source for diversion of water.
 - (xiii) Pattiseema Project is not a part of Polavaram Project and accordingly Clause 7(f) of the Agreement Dt.04.08.1978 would not be applicable viewed in this context. However, the State of Telangana is at full liberty and within its right to claim the entire 80TMC of waters being diverted by the States of AP through Pattiseema LIS as per Clause XIV(B) of KWDT-I (Bachawat). In view of the above, it is reiterated that the State of AP cannot unilaterally proceed with such construction of Pattiseema LIS on its own without the process as setup in the AP Reorganisation Act, 2014 and without the process of finalisation of sharing of waters in lieu of the diversion of 80TMC of water from Pattiseema LIS.
4. The DPR's-4No.s (Volume-I) on Construction of Lift Irrigation Project at Pattiseema to divert flood water/ remaining water from River Godavari to River Krishna by Govt. of AP were received vide Ir. No. WRD- WRD-19063/13/2015-Projects-I-WRD dated 16-3-2016 and forwarded to the Chairman, CWC vide T.O Ir No G-28011/1(A)/2014-

15-Admin/280 Dt 29-03-2016 for examining in respect to Hydrology aspect, Interstate aspect and cost aspect. After examining the DPR by CWC, comments were received from various Directorates of CWC and the same were communicated to the ENC(I), WRD, GoAP vide Lr No G-28011/1(A)/2014-15-Admin/1226, Dt.18-08-2017 for their compliance, the Directorate-wise comments are as follows:

- (i) Inter-State Matters Directorate, CWC: The share of erstwhile AP and other co-basin States in Godavari Basin have been decided by GWDT by incorporating many bilateral and multilateral agreement on sharing of Inter State river water. The share of Godavari water between State of Telangana and Andhra Pradesh is yet to be agreed upon by both the States. Therefore, the instant report may be shared with State of Telangana and Godavari River Management Board by Project Authority for views and comments if any on the subject.
- (ii) Cost Appraisal (Irrigation) Directorate, CWC:
 - (a) The Volume -II & III were not received along with the report which are required for the finalisation of the cost estimate.
 - (b) The details of cost estimate submitted inline with Pg.101-128 of Para 18 of guidelines for preparation of the detailed Project Report of Irrigation and Multipurpose Project, GoI, MoWR, RD & GR.
 - (c) The copy of approved CAT, EMP and R&R Plans shall also be appended with the cost estimate.
 - (d) The cost estimate shall be supported by soft copy in Excel format along with all details of each work items properly linked with separate sheets having details of bill of quantities, measurement sheets, SOR analysis of rates, lead statements, final design details in order to facilitate speedy appraisal.
- (iii) Hydrology (South Directorate), CWC:
 - (a) The good layout map of the scheme may be given for clarity.
 - (b) As a proposed scheme is the part of the Polavaram Project, the water availability assessment has carried out for Polavaram Project as approved by this Office vide Lr.

No.7/AP/83/2006/HYD(S)-264 Dt.12.09.2006 shall be applicable for the above Project.

- (c) In the absence of storage available at Polavaram project at present, the divertible water (Surplus available at Dowlaiswaram) may be assessed based on latest data of about 10 years rather than assessing the same based on past data from 1962-1999.
5. GRMB vide Lr no. G-28011/1(A)/2014-15-Admin/1450-1451 Dt: 25-05-2016 requested the Principal Secretary, WRD, GoAP to furnish Vol-II & Vol-III of DPR referred to in Vol-I for abstract of the various estimates and data for the different items of work and also relevant plans of the scheme. Only one copy of Vol-II & Vol-III of DRP is received out of 6 copies requested. The compliance to the comments from Inter State Matters Directorate, Cost Appraisal (Irrigation) Directorate, Hydrology (south Directorate), CWC are yet to be received from the Project Authority.
6. The ENC(I), GoTS vide Lr.No.ENC(I)/DCEI/OT-1/AEE-4/Diversion of Godavari water/2018,Dt.10.01.2018 requested GRMB to take necessary action on sharing of Godavari water lifted by GoAP from Pattiseema as discussed in 6th Board Meeting under Item No. 6.9 and stated that,
- (i) As per the Agreement between erstwhile AP and Karnataka Dt.04.08.1978, displacing of discharges to an extent of 80TMC from Nagarjuna Sagar Project to Krishna Delta starts from the date of clearance of Polavaram Project by the CWC irrespective of actual diversion. The Polavaram project was cleared by CWC in 95th advisory Committee meeting held on 20.01.2009. Subsequently the revised Polavaram Project was also cleared by CWC vide 108th TAC held on 04.01.2011. Hence, it is just and proper to allocate the entire said quantum or major share of 45 TMC for utilisation by State of Telangana in Krishna Basin.

- (ii) In addition to the above the State of AP has been diverting Godavari water to Prakasham barrage by Pattiseema LIS from 2015 onwards. The Hon'ble Minister for Irrigation, GoTS has requested the Hon'ble Minister for Water Recourses, GoI, in capacity of Chairperson of Apex Counsel to direct to ensure the additional usage of 90TMC by the State of Telangana on account of the afore stated augmentation to both the projects (Polavaram and Pattiseema into Krishna Basin).
7. The GRMB vide Lr No GRMB/PATT/2018 dated 28-03-2018 informed the ENC(I), GoTS that the issue of sharing of Krishna water (45TMC/90TMC) or even making recommendation in the matter is beyond the purview of GRMB. The share of Telangana State in the Krishna water so becoming available is to be decided by the Inter State Water Dispute Tribunal or may be arrived at by an agreement between the two States of Andhra Pradesh and Telangana.
8. The DPRs (Vol-I, II & III) were scrutinised and the details are as follows:
- (i) The water is diverted from River Godavari to River Krishna through Polavaram Project Right Main Canal for domestic and Industrial Use as part of Water Grid. This was administratively approved by Govt. of AP vide G.O Ms No.1, (I & CAD) Dt.01.01.2015 for Rs.1300 Cr. and technically sanctioned by ENC, ISPF vide proceeding No.ENC/ISPP/DCE/OT.1/AEE-2/Pattisima LIS Dt. 13.01.2015 for Rs.1299.90 Cr.
- (ii) Every year on an average 2500 TMC of flood water going waste into the sea, the scheme is intended to draw maximum water during flood days for industrial and domestic use by lifting surplus water spilling over Sir Arthur Cotton Barrage on river Godavari at Dowlaiswaram. As per the report, it does not involve any Inter-State aspects and will not affect riparian rights.
- (iii) The Head works are proposed at Km 31.20 u/s of Sir Arthur Cotton Barrage at Dowlaiswaram on R/B of Akhanda Godavari near Bangarammapet village in Polavaram Mandal (Long.81-38'-16" E & Lat. 17-13'-32"N) to draw 240 Cumecs (8500 Cusec) of water. The discharge will lift water from the sump of the main Pump House from

+12.5m to +42.5m involving a static head of 30m at the rate of 24hrs running per day for a period of 100 to 120 days. The pumping of water is resorted to only from June to September during Monsoon so that only surplus water is utilised. No pumping will be permitted u/s of Sir Arthur Cotton Barrage from January till the month of May to protect the interest of Ayacut of Godavari Delta.

- (iv) 5 pump houses with 12 m gap between them are proposed. The pump houses are located very nearer to the water course of river Godavari to draw the water directly into the sumps by providing suitable groynes. Size of pump house - 64X17.5 M/50 X 17.5 M. A set of 30 Nos. of VTPs of each 8 cumecs (total 240 Cumecs). Capacity of each pump and motor is 4.1 MW /4.3 MW and 4611 HP, respectively. 15 rows of MS pressure mains of 16mm thick each 3m dia and length 4.5 km laid to drop water into delivery cistern. Peak demand of electric power is 123 MW.
- (v) The minimum surplus discharge day of the month from June to November observed daily at Sir Arthur Cotton Barrage, Dowlaiswaram for a period from 1962 to 1999 (38 years) is taken for calculation of availability of water in river duly taking into consideration of requirement of ongoing lift irrigation and drinking water schemes.

The minimum pond level observed in a month over the period is taken as the MDDL in the river and these levels for the months of June to November are given below.

Minimum Draw Down Level (MDDL):

1.	June	8.06 M (26.44Ft)
2.	July	11.48 M (37.66Ft)
3.	August	12.48 M (40.93Ft)
4.	September	12.45 M (40.15Ft)
5.	October	12.24 M (40.15 Ft)
6.	November	11.90 M (39.03Ft)

MDDL - 12.50 M (39.37Ft) is found to be safe and adequate.

(vi) The details of water utilisation and irrigated ayacut are as follows,

(a) Total available Quantity considering 100 days of pumping-	74TMC
(b) Drinking water requirement 10 %	-7.4 TMC
(c) Industrial water requirement 20 %	-14.8TMC
(d) Irrigation requirement-	-51.08TMC

Ayacut:

(a) Irrigated at 70 Duty	-	4,66,000 Acs
(b) Polavaram RMC ayacut	-	1,20,000 Acs
(c) Other benefited ayacut	-	3,46,000 Acs

(vii) The revenue is realised by supplying water for industrial and domestic use. Diverted water to Krishna River shall be supplied to the industrial use at Rs. 30 per K. litre.

(viii) The cost and benefit ratio are worked out to be 2.6

PMO Reference

PMO
No: 8/5/2018/APP/WP&P(C)/ 70-71

Most Immediate

भारत सरकार
केन्द्रीय जल आयोग
जल आयोजन एवं परियोजना समन्वय निदेशालय

पांचवा तल (दक्षिण) सेवा भवन

आर० के० पुरम नई दिल्ली 110066

Dated: 14/02/2019

विषय :- PMO Reference dated 03/01/2019 enclosing letter dated nil of
Dr. V. Vasant Kumar, former Minister, Govt of A.P regarding
Interlinking of Rivers by way of Left Irrigation in A.P.

उपरोक्त विषय पर SSC (Pen-Riv) new, RD&ER से
प्राप्त पत्र सं० 14012/2/2019 Pen-Riv Section दिनांक 04/02/2019.
(प्रति सलग्न) के संदर्भ में निवेदन है कि प्राथमिकता के आधार पर इस स्तब्ध के अन्य सघटनों/मुख्य
अभियंताओं से वांछित सूचनाएँ एकत्रित कर इस कार्यालय को सूचित करते हुये समेकित सामग्री शीघ्र
सीधे संबन्धित अधिकारी/व्यक्ति/कार्यालय को भेजने का कष्ट करें।
संलग्नक :- यथोक्त।

किरीट गुप्ता

जल आयोजन एवं परियोजना समन्वय निदेशालय
निदेशक

मुख्य अभियंता : PAO

निदेशक : PA(S)

प्रतिलिपि :

1. मुख्य अभियंता : PPO

निदेशक : NP

2. मुख्य अभियंता :

निदेशक :

3. मुख्य अभियंता :

निदेशक :

DM

18/02/19

आग्रह है कि उपरोक्त से संबन्धित सामग्री मुख्य अभियंता PAO
निदेशक PA(S) को भिजवाए।

DM/PA



DO-2

NK
18/02/19

AD

Comments from Govt of AP/PPA

File No.R-14012/2/2019-Pen Riv Section



No. R-14012/2/2019-Pen.Riv.
Government of India
Ministry of Water Resources
River Development & Gang Rejuvenation
(Peninsular Rivers Wing)

Chy/n
To/2
M. Kanodia
Dir. (G) CWC
S. 8/2 12/19
Dir. - Genl
C.E. (BPMO)
A 2:

Room No. 107 B
Shastri Bhawan, New Delhi
Dated: 04th February,
2019

To

The Chairman,
Central Water Commission,
Room No:-325 (South)
Sewa Bhawan, R.K. Puram
New Delhi-110066

Subject:-PMO reference dated 23.01.2019 enclosing letter dated NIL of Dr. V. Vasant Kumar, Former Minister, Govt. of Andhra Pradesh, regarding Interlinking of rivers by way of Lift Irrigation in Andhra Pradesh.

Sir,

I am directed to enclose herewith a copy of PMO reference dated 23.01.2019 enclosing letter dated NIL of Dr. V. Vasant Kumar Former Minister, Govt. of Andhra Pradesh on the above mentioned subject. In this regard, it is requested that views/comments of CWC on the matter may kindly be sent to this office so as to enable this Ministry to furnish reply to Prime Minister's office at an early date.

Encl. as above

Yours faithfully,

Signature not visible
Digitally signed by R.K. Kanodia
DN: cn=R.K. Kanodia, o=CWC, ou=Ministry of Water Resources, c=IN

(R.K. Kanodia)

Senior Joint Commissioner

cadwmsouth-mowr@nic.in/Tel-23383518

PRIME MINISTER'S OFFICE

*****10*

567262/Kowar
Date 25/01/19

South Block
New Delhi - 110 011

Please find enclosed herewith, copy of a self-explanatory letter dated NIL addressed to the Prime Minister by Dr. V. Vasant Kumar, Former Minister, Govt. of Andhra Pradesh, for action as appropriate.

(Rajender Kumar)
Director
Tel: 2301-3024

Secretary, M/o Water Resources, River Development & GR

PMO ID no.4978330/2018/ES-2

Dated: 23.01.2019

Encl. As above

Ketan/ASO

I/3692053/2019



**NATIONAL PROJECTS DIRECTORATE
CENTRAL WATER COMMISSION**
2A, 8th Floor (N), Sewa Bhawan, R.K. Puram
Sector-1, New Delhi-110066

राष्ट्रीय परियोजना निदेशालय
केन्द्रीय जल आयोग
Tele / Fax : 011 - 29583396
Email: npldte@gmail.com
npldte-cwc@gov.in

क्रमांक / No.: 4/7/2017/NP/Vol-IX/ 1604

दिनांक / Date: 22 फरवरी / February 2019

प्रति / To,

The Member Secretary
Polavaram Project Authority
Krishna Godavari Bhawan
H. No. 11-4-648, (1 Floor), AC Guards
Hyderabad - 500004

विषय / Sub: PMO Reference dated 03/01/2019 enclosing letter dated NIL of Dr. V. Vasant Kumar, Former Minister, Govt of A.P. regarding Interlinking of rivers by way of Lift irrigation in AP.

संदर्भ / Ref: WP&P Coordination Dte Lr. No. 8/5/2018/PMO/WP&P(C)/70-71, dated 14.02.2019.

महोदय / Sir,

Please find enclosed herewith a copy of the letter under reference above, received from WP&P Coordination Directorate, CWC enclosing therewith PMO reference of Dr. V. Vasant Kumar, Former Minister, Govt. of AP regarding Interlinking of Rivers by way of Lift irrigation in Andhra Pradesh for views / comments in this matter.

It is therefore requested that views / comments of PPA in this matter may kindly be sent to this office at an early date for taking further necessary action in the matter.

भवदीय / Yours faithfully,

Encl : As Above.


(भूपिंदर सिंह / Bhupinder Singh)
निदेशक / Director



**NATIONAL PROJECTS DIRECTORATE
CENTRAL WATER COMMISSION**

2A, 8th Floor (N), Sewa Bhawan, R.K. Puram Sector-1,
New Delhi-110066

स्मरण पत्र / REMINDER

राष्ट्रीय परियोजना निदेशालय

केन्द्रीय जल आयोग

Tele / Fax : 011 - 29583396

Email: npdte@gmail.com

क्रमांक / No.: 2/8/2012/NP-II/ Vol-V/1665-68

दिनांक / Date: 28/ मार्च / March, 2019

प्रति / To,

The Member Secretary

Polavaram Project Authority

Krishna Godavari Bhawan

H. No. 11-4-648, (I Floor), AC Guards

Hyderabad - 500004.

विषय / Sub: PMO reference dated 03/01/2019 enclosing letter dated NIL of Dr. V Vasant Kumar, Former Minister, Govt of A.P regarding Interlinking of rivers by way of Lift irrigation in AP. - Regarding.

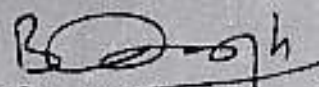
संदर्भ / Ref: (1) This office Lr. No. 4/7/2017/NP/ Vol-IX/1604, dated 22.02.2019.
(2) PPA Lr. No. 7/1/PMO/2019/PPA/680-682 dated 06.03.2019

महोदय / Sir

Please refer the above cited letter vide which a copy of letter received from WP&P Coordination Directorate, CWC enclosing the PMO reference of Dr. V. Vasant Kumar, Former Minister, Govt. of AP regarding Interlinking of Rivers by way of Lift irrigation in Andhra Pradesh has been forwarded for views/comments.

In this regard, the necessary inputs are yet to be received in this office. The same may kindly be sent to this office at earliest for taking further necessary action in the matter.

भवदीय / Yours faithfully,


(भूपिन्द्र सिंह / Bhupinder Singh)
निदेशक / Director

प्रतिलिपि / Copy to : For necessary action please-

1. The Secretary, Water Resources Department, Govt. of Andhra Pradesh, Vijayawada.
2. The Engineer-in-Chief, WRD, Govt. of Andhra Pradesh, Vijayawada.
3. Directors, PA(S), CWC, Sewa Bhawan, New Delhi for Information please.

PMO References
F.No.7/1/PMO/2019/PPA/1024-1025
Government of India

Ministry of Water Resources, River Development and Ganga Rejuvenation
Polavaram Project Authority

Tele No: 040 – 29700903
Fax No: 040 – 29700906
polavaram.authority@gmail.com

11-4-648, AC Guards,
Krishna Godavari Bhavan,
Hyderabad – 500 004.

Dated: 10.04.2019

To

✓ The Director,
National Project Directorate,
Central Water Commission,
8th Floor (N), Sewa Bhawan,
R.K.Puram, Sector-1,
New Delhi – 110066.

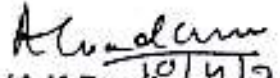
Sub: PMO reference of Dr.V.Vasant Kumar, Former Minister, Govt. of A.P. regarding Interlinking of rivers by way of Lift Irrigation in AP received from National Project Directorate, Central Water Commission.

Ref: 1) NP Dte, Letter No.4/7/2017/NP/Vol-IX/1604 dtd 22.02.2019.
2) NP Dte, Letter No.2/8/2012/NP-II/Vol.V/665-68 dtd 20.03.2019.

Sir,

✓ Kind reference is invited to letter (s) cited on above mentioned subject. In this regard, it is to mentioned that Polavaram Project Authority (PPA) is dealing with only Polavaram Irrigation Project. Hence requisite information of projects referred in PMO reference vide letter dated 23.01.2019 of Dr.V.Vasant Kumar, Former Minister, Government of Andhra Pradesh is not available in this office.

Yours faithfully,


(A.K.Pradhan) 10/4/2019
Member Secretary

Copy to the Director, PA(S), CWC, New Delhi w.r.t to Email dated 29.03.2019 and 08.04.2019.

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

विषय: श्री एन अजय सिम्हा, No 2017, 3rd, B Cross, Opposite Sheshdripuram Public School, Yelahanka New Town, Karnataka, Bengaluru, Pin: 560064, का दिनांक 07.03.2019 के आवेदन (CWCND/R/2019/80052) दिनांक 04.04.2019 द्वारा सूचना के अधिकार अधिनियम 2005 के अंतर्गत मांगी गयी सूचना के संबंध में।

With reference to above RTI Application, which was received in this office on 04-04-2019 on transfer from CPIO, MOWR, RD & GR, New Delhi and Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/120 dt 04/04/2019), the information available with WP&P wing of CWC is as under:

Information sought	Reply
Please provide the details of Central Govt. Schemes (Yearly) that were implemented and NOT implemented in the State of Karnataka during the current Government (2014 onwards)	MoWR, RD&GR, Government of India is implementing the Schemes "RRR of water bodies & Surface Minor Irrigation (SMI)" during XII Plan and onwards also. The above cited schemes are now part of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)- Har Khet ko pani (HKKP). The available details of projects under implementation during XII plan and onwards under scheme Surface Minor Irrigation(SMI) in respect of Karnataka are enclosed as an Annexure-I . Further, it is to intimate that there are no Projects under implementation under the scheme RRR of Water Bodies during XII plan and onwards in Karnataka.

संलग्नक: As above (3page)

Signature Not Verified

Digitally signed by PADMA DORJE
Date: 2019.05.06 13:08:21 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

श्री एन अजय सिम्हा, No 2017, 3rd, B Cross, Opposite Sheshdripuram Public School, Yelahanka New Town, Karnataka, Bengaluru, Pin: 560064,

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं0A-49012/8/2019/RTI/120 दिनांक 04-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

Annexure-I

Details of projects under implementation during XII plan and onwards under SMI Scheme in Karnataka

(Amount in Rs. Crore)

Name of State	Proposal no.	Number of schemes	Year of inclusion	Estimated Cost	Central Share (CA)	Cumulative CA released till 03/2019	No of Schemes completed till 03/2019
Karnataka	i	38	2012-13	66.530	52.164	33.860	32
	ii	71	2012-13	96.142	77.976	55.590	65
	iii	88	2012-13	121.489	96.012	44.090	77
	iv	1	2012-13	23.980	15.107	7.530	
	v	75	2013-14	98.650	73.988	7.380	41
	vi	62	2013-14	43.640	32.730	7.860	18
	vii	73	2013-14	46.583	34.937	2.730	
	viii	57	2013-14	97.905	73.429	3.380	38
	Total	465		594.9188	456.343	162.42	271

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,

राम कृष्ण पुरम, नई दिल्ली -110066

विषय: श्री मिहिर वेद, अहमदाबाद मिरर, द्वितीय तल, फाड़िया चेबर, आश्रम रोड, अहमदाबाद ,
पिन- 380009 का दिनांक 11.03.2019 के आवेदन (CWCND/R/2019/80053) दिनांक
02.04.2019 द्वारा सूचना के अधिकार अधिनियम 2005 के अंतर्गत मांगी गयी सूचना के संबंध
में।

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का
अधिकार, केन्द्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 05-04-2019 को
प्राप्त उपरोक्त आवेदनके संदर्भ में केन्द्रीय जल आयोग के जल आयोजन एवं परियोजना स्कन्ध से संबन्धित,
विषय सूचना निम्नानुसार है:

Information sought	Reply
Name all the Centrally Sponsored Schemes CSS and the year wise amount spent on each of the schemes since their inception. For the above schemes, specify the state wise amount spent on these schemes during their inception. For the above schemes, specify the year wise information of the amount spent on these schemes in each state.	MoWR,RD&GR, Government of India is implementing the Schemes " RRR of water bodies & Surface Minor Irrigation (SMI) ". The above cited schemes are now part of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)- Har Khet ko pani (HKKP). The available information i.e. Details of Central Assistance (CA) released to National Projects ,along with the details of Water Bodies included under Scheme RRR of water bodies during X,XI & XII Plan onwards (state wise) are enclosed as Annexure-I,II,III & IV respectively . Further, the available information i.e. Details of Central Assistance (CA) released along with the details of Surface Minor Irrigation (SMI) schemes included during XII Plan onwards (state wise) enclosed as Annexure-V . A note on Centrally Sponsored scheme along with Annexure A (expenditure on MMI Project), B (AIBP Projects) is also enclosed.

Signature Not Verified
Digitally signed by PADMA
DORJE
Date: 2019.05.09 18:32:19 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

मिहिर वेद, अहमदाबाद मिरर, दवितीय तल, फाड़िया चेबर, आश्रम रोड, अहमदाबाद , पिन- 380009

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/133 दिनांक 12-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

Details of Central Assistance (CA) released & Water Bodies included under Scheme RRR of water bodies during X Plan

S.No.	Name of State	Name of District	No. of water bodies included	C A released (Rs. In crore)
1	United Andhra Pradesh	Mahabubnagar	226	24.26
		Anantpur	52	8.99
2	Chattisgarh	KabirDham	10	1.68
3	Gujarat	Sabarkantha	17	4.8
		Banaskantha	25	4.35
4	H.P.	Mandi	13	0.78
5	J&K	Kupwara	22	2.29
6	Jharkhand	Saraikela	22	2.1
		Palamu	38	6.45
7	Karnataka	Gulbarga	116	26.55
		Banglore Rural	182	28.55
8	Kerala	Palakkad	10	1.02
		Pathanamthitta	13	1.04
9	Madhya Pradesh	Takamgarh	5	2.39
		Shivpuri	65	25.63
10	Maharashtra	Beed	32	13.83
11	Odisha	Ganjam	68	9.61
		Gajapati	59	4.51
12	Rajasthan	Ajmer	4	3.37
		Pali	1	1.84
13	Tamil nadu	Sivagangai	8	0.92
		Villupuram	38	7.02
14	West Bengal	Uttar Dinajpur	15	3.31
		South 24	51	10.61
15	Bihar	Nalanda	1	0.27
		Jamui	5	1.13
Total	15	26	1098	197.30

Details of CA released & Water Bodies included under the Scheme RRR of water bodies(Domestic Support) during XI Plan

(Rs in crore)

S. No.	Name of State	No. of water bodies included	Total project cost	Central Share	Total CA released
1	Odisha	1321	451.40	312.81	244.45
2	Karnataka	427	232.77	209.49	199.02
3	Andhra Pradesh	345	112.358	101.122	66.105
4	Telangana	684	227.332	204.598	122.895
5	Bihar	15	64.45	55.3	52.54
6	U.P. (Bundelkhand)	28	46.15	41.53	39.459
7	M.P. (Bundelkhand)	78	41.89	10.47	9.95
8	Meghalaya Umiam Lake(cost related to irrigation only)	1	2.83	2.54	2.42
9	Maharashtra	258	135.08	119.34	80.53
10	Gujarat	34	17.47	15.72	10.61
11	Chhattisgarh	131	122.91	110.61	72.65
12	Rajasthan	16	11.35	7.45	7.07
13	Haryana	3	40.24	10.06	9.56
	Total	3341	1506.23	1201.04	917.259

**Details of CA released & Water Bodies included under the Scheme RRR of water bodies(External Assistance)
during XI Plan**

(Rs in crore)

State	No. of Water Bodies proposed	No. of Water bodies taken up for implementation	Total cost	Amount released to State Govt
Odisha	900	324	432.00	381.00
Tamilnadu	5763	5012	2051.64	1781.19
Karnataka	1224	1047	306.98	336.28
Andhra Pradesh	1818	1182	438.00	403.10
Telengana	1182	1182	443.80	NA
Total	10887	8747	3672.42	2901.57

Details of Central Assistance (CA) released & Water Bodies included under the Scheme RRR of water bodies during XII Plan & onwards

(Rs in crore)

S. No.	Name of State	No. of Water Bodies included	Total Project Cost	Central Share	Total CA released Till 03/2019
1	Andhra Pradesh	100	66.766	40.0596	2.70
2	Bihar	27	64.933	31.276	6.255
3	Gujarat	61	102.908	61.7	8.8125
4	Odisha	760	361.52	215.433	107.646
		103	87.51	52.503	3
5	Madhya Pradesh	125	183.242	93.01	37.70
6	Meghalaya	9	11.43	10.29	5.183
7	Manipur	4	65.442	58.9	10.3671
8	Rajasthan	32	89.688	46.914	35.925
		36	98.132	39.8217	14.3026
9	Tamil Nadu	48	27.02	16.0615	5.1279
		56	27.30	16.3823	4.0956
		49	23.43	14.0556	7.0279
10	Telangana	182	125.45	74.7934	44.876
		147	162.71	94.6193	28.9
		70	50.53	30.3153	9.0946
		176	120.49	72.2959	21.6887
11	Uttar Pradesh	8	37.08	29.54	15.361
		12	12.42	3.1052	1.0477
		54	33.91	20.3436	
12	Uttarakhand	5	12.49	11.24	
Total		2064	1764.40	1032.66	369.1106

**Details of Central Assistance (CA) released & SMI schemes included
during XII Plan & onwards**

(Rs in crore)

Sl. No.	Name of State	Number of schemes	Estimated Cost	Central Share (CA)	Cumulative CA released till 03/2018	CA released in 2018-19	Cumulative CA released till 03/2019
1	Arunachal Pradesh	919	716.316	644.684	186.227	22.248	208.475
2	Assam	1010	4975.356	4477.820	2429.231	428.343	2857.57
3	Bihar	176	351.620	274.071	115.292	32.276	147.568
4	Chhattisgarh	147	722.170	433.2	200.370		200.37
5	Himachal Pradesh	154	499.265	449.339	82.800	66.195	148.995
6	Jammu & Kashmir	419	1317.431	1185.688	491.627	31.706	523.333
7	Jharkhand	82	75.324	56.493	19.379		19.379
8	Karnataka	465	594.919	456.342	162.420		162.42
9	Madhya Pradesh	276	1817.392	1191.5	987.690		987.69
10	Manipur	102	170.370	153.333	104.546		104.546
11	Meghalaya	260	702.651	632.191	253.677	31.500	285.177
12	Mizoram	36	42.469	38.222	10.236		10.236
13	Nagaland	704	519.701	467.731	272.315	35.328	307.643
14	Sikkim	381	115.021	103.519	65.626	16.610	82.236
15	Tripura	21	47.323	42.591	17.750		17.75
16	Uttarakhand	651	520.616	468.550	343.995	61.000	404.995
	TOTAL	5803	13187.944	11075.27	5743.181	725.206	6468.38

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,

राम कृष्ण पुरम, नई दिल्ली -110066

दूरभाष- 29583225

विषय: Shri Dinesh, no.13, second cross, Annanagar, Puduchery Pin:605005 का दिनांक 07.04.2019 का आवेदन (CWCND/R/2019/50048) दिनांक 07.04.2019 द्वारा सूचना के अधिकार अधिनियम 2005 के अंतर्गत मांगी गयी सूचना के संबंध में।

With reference to above RTI Application, which was received in this office on 10-04-2019 on transfer from Under Secretary & Nodal Officer for RTI, CWC, New Delhi, (No A-49012/8/2019/RTI/127 dt 10/04/2019), it is to inform that the related information available in WP & P Wing of CWC is as under:

Information sought	Reply				
Complete list of Village Ponds and other surface water bodies in the full of Union Territory of Puducherry – ward wise list	Specific information is not available. However, the available information i.e. Statistics of Water bodies provided by WS&RS Directorate of Central Water Commission under India-WRIS project in respect of Union Territory of Puducherry is given as below: <table border="1" data-bbox="571 1272 1401 1467"> <thead> <tr> <th>Name of Union Territory</th><th>Water bodies (no.)</th></tr> </thead> <tbody> <tr> <td>Puducherry</td><td>11 (Size Range of Water bodies: 0.0102-67536.19 Ha.)</td></tr> </tbody> </table>	Name of Union Territory	Water bodies (no.)	Puducherry	11 (Size Range of Water bodies: 0.0102-67536.19 Ha.)
Name of Union Territory	Water bodies (no.)				
Puducherry	11 (Size Range of Water bodies: 0.0102-67536.19 Ha.)				
	Further, as per 5 th MI Census with Reference Year 2013-14, the total number of Water Bodies used for Minor Irrigation in respect of Union Territory of Puducherry were available in the Final Report of 5th Minor Irrigation Census at http://mowr.gov.in/report-5th-mi-census				

Signature Not Verified

Digitally signed by PADMA DORJE
Date: 2019.05.03 18:34:18 IST

निदेशक Director

ज.आ.एवं प. स.नि. तथा मुख्य जनसूचना अधिकारी WP&P (C) & CPIO

Shri Dinesh, no.13, second cross, Annanagar, Puduchery Pin:605005

(maildineshk@gmail.com)

प्रति अवर सचिव एवं सूचना के अधिकार के नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं. A-49012/8/2019/RTI/127 दिनांक 10-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

RTI MATTER

SPEED/REG. POST

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द 0), सेवा भवन,
राम कृष्ण पुरम, नई दिल्ली -110066

E-mail: wppcdte@nic.in दूरभाष- 29583225

विषय: सूचना का अधिकार, 2005 के अंतर्गत श्री चेतन्य के. एस. 155-BA Block, Jankpuri, New Delhi के
दिनांक 03/04/2019 का आवेदन: (MOWRC/R/2019/50107) द्वारा मांगी गई सूचना के संबंध में

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का अधिकार, केन्द्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 11-04-2019 को प्राप्त उपरोक्त आवेदनके संदर्भ में सूचित किया जाता है कि केन्द्रीय जल आयोग के जल आयोजन एवं परियोजना स्कन्ध में बिन्दु क्रमांक 1, 4 एवं 5 के समक्ष सूचना उपलब्ध नहीं शून्य है। बिन्दुवार क्रमांक ii एवं iii के समक्ष वांछित सूचना निम्नानुसार है ।

Sl. No.	Information sought	Reply
ii	Authenticated copy of notification/ order creating NWIC	Enclosed as annexure-I
iii	Recommendations made by the Committee formed under the Chairmanship of Additional Secretary (WR RD &GR) on the structure of NWIC. Soft copy of the minutes of the meetings may kindly be provided.	Soft copy of composition of the committee, Notes regarding structure, Goal & functioning of NWIC which was put up in first meeting, Minutes of 1st, 2nd, 3rd & 4th meeting are being sent by e mail as Annexure-II to VII.

Signature Not Verified
Digitally signed by PADMA
DORJE
Date: 2019.04.26 09:23:58 IST

निदेशक Director

ज. आ. एवं प.स. नि. तथा मुख्य जन सूचना अधिकारी WP&P (C) & CPIO

..श्री चेतन्य के. एस. 155-BA Block, Jankpuri, New Delhi

प्रति अवर सचिव एवं सूचना के अधिकार के-----
नोडल अधिकारी, केंद्रीय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दिल्ली-110066 को उनके पत्र सं.A-

49012/8/2019/RTI/131 दिनांक 10-04-2019 के संदर्भ में सूचना एवं आवश्यक कार्यवाही हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), SewaBhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

[To be published in the Gazette of India Extra Ordinary Part II Section 3 Sub-Section (ii)]

Ministry of Water Resources, River Development &
Ganga Rejuvenation
(ISO 9001:2008 certified)

NOTIFICATION

New Delhi, dated 28th March, 2018

No.2/2018 (F.No. G-72020/1/2016-NHP/Admn) – The President is pleased to create the **National Water Informatics Centre (NWIC)** in New Delhi as a Subordinate Office under the Ministry of Water Resources, River Development and Ganga Rejuvenation, as a repository of nation-wide water resources data. To Head the Centre, a post of Director (Joint Secretary Level) is also hereby created.

(Akhil Kumar)

Joint Secretary to the Govt. of India
Tel. 23710340
E-mail: js-mowr@nic.in

To

The Manager
Government of India Press
Mayapuri,
New Delhi

Copy to:

1. Appointments Committee of the Cabinet, DoPT (Attn: Shri Rajender Kumar, Deputy Secretary) North Block, New Delhi.
2. Principal Secretary to Prime Minister, New Delhi
3. Cabinet Secretariat, Rashtrapati Bhawan, New Delhi
4. Secretary (Coordination & PG), Cabinet Secretariat.
5. Secretary to the President of India
6. Secretary to the Vice President of India
7. Chairman, Central Water Commission, R.K. Puram, New Delhi.
8. Director, National Water Informatics Centre, New Delhi.
9. Deputy Secretary (E.I), Ministry of WR, RD & GR.
10. Senior Joint Commissioner (NHP), Ministry of WR, RD & GR.
11. PS to Hon'ble Minister (WR, RD & GR)/ PSs to Hon'ble MoS (WR, RD & GR)
12. PS to Secretary/PS to DG, NMCG/PPS to JS (A)/ / PPS to JS (PP)/ PPS to JS & FA/ PPS to MD (NWM), Ministry of Water Resources, RD & GR
13. All Organizations under the Ministry of WR, RD & GR
14. All Wing Heads in the Ministry of Water Resources, RD & GR
15. Pay and Accounts Office, Ministry of Water Resources, RD & GR
16. Cash/ General Administration/ Vigilance Sections, Ministry of Water Resources, RD & GR.
17. NIC/ e-Gov Cell for uploading the notification on the Ministry's website and intranet circular page
18. Press Information Officer, Ministry of Water Resources, RD & GR.

(Akhil Kumar)

Joint Secretary to the Govt. of India
Tel.No.23710340
E-Mail:js-mowr@nic.in

(7)

No. 7/2/2013-PP
Government of India
भारत सरकार
Ministry of Water Resources
जल संसाधन मंत्रालय

Shram Shakti Bhawan,
Rafi Marg, New Delhi-01,
Dated 6th January, 2014

ORDER

Subject: Constitution of Committee for making recommendations for setting up the National Water Informatics Centre.

In pursuance of the recommendation of the National Water Policy (2012) to establish a National Water Informatics Centre to collect, collate and process hydrologic data regularly from all over the country, conduct the preliminary processing, and maintain in open and transparent manner on a GIS platform, a Committee with following composition and terms of reference is hereby constituted for making recommendations for setting up the National Water Informatics Centre.

2. Composition of the Committee

- | | |
|--|--------------------|
| (i) Additional Secretary, Ministry of Water Resources | - Chairman |
| (ii) Chairman, Central Ground Water Board | - Member |
| (iii) Member (WP&P), Central Water Commission | - Member |
| (iv) Joint Secretary (PP), Ministry of Water Resources | - Member |
| (v) Joint Secretary & Finance Advisor, Ministry of Water Resources | - Member |
| (vi) Dr. J R Sharma, Project Director, India-WRIS | - Member |
| (vii) Dr. Kishore Kumar, Sr. Director (Tech.), National Informatics Centre | - Member |
| (viii) Advisor (C&M), National Water Mission | - Member Secretary |

3. Terms of Reference

- (i) To make recommendations on the modalities for establishing the National Water Informatics Centre to maintain and periodically update water related data in the Water Resources Informatics System (India WRIS) keeping in view the provisions of Inter State Water Dispute Act 1956 (as amended in 2002) and recommendations of the Planning Commission Working Group for Water Database Development & Management for the Twelfth Five Year Plan.

- (ii) To suggest mandates of the National Water Informatics Centre and its organizational structure including redeployment of Officers from Central Water Commission, Central Ground Water Board and National Remote Sensing Centre and the job profile of various personnel.
- (iii) To suggest protocol for effective functioning of National Water Informatics Centre.
- (iv) Any other work incidental to setting up of National Water Informatics Centre.

4. Tenure

The Committee shall submit its report within a period of three months.

5. This issues with the concurrence of IFD, MoWR vide Dy. No. 8796-FD dated 25.10.2013.

Ajay Kumar
6/11/14

(Ajay Kumar)
Under Secretary to the Government of India
Tel-23714350

Copy forwarded to:

All Members of the Committee.

Copy for information to:

1. Sr. PPS to Secretary (WR);
2. Finance Desk, MoWR;
3. Cash Section;
4. Standing Guard file, PP Section.

/

(Ajay Kumar)
Under Secretary to the Government of India
Tel-23714350

Ans
6/11/2014

No. 7/2/2013-PP
Government of India
भारत सरकार
Ministry of Water Resources
जल संसाधन मंत्रालय

Shram Shakti Bhawan,
Rafi Marg, New Delhi-01,
Dated the 9th January, 2014

ORDER

Subject: Constitution of Committee for making recommendations for setting up the National Water Informatics Centre.

Reference Ministry of Water Resources Order of even number dated 6th January, 2014 on the subject mentioned above.

2. The entry at S. No. 2(viii) of the said Order will be read as "Chief Engineer (P&D), CWC/ Advisor (Tech), National Water Mission."
3. The Secretariat of the Committee will be in Central Water Commission.

(Syed Ravish Ali)
Under Secretary to the Government of India
Tel-23714350

Copy forwarded to:

- (i) Additional Secretary, Ministry of Water Resources.
- (ii) Chairman, Central Ground Water Board
- (iii) Member (WP&P), Central Water Commission
- (iv) Joint Secretary (PP), Ministry of Water Resources
- (v) Joint Secretary & Finance Advisor, Ministry of Water Resources
- (vi) Dr. J R Sharma, Project Director, India-WRIS
- (vii) Dr. Kishore Kumar, Sr. Director (Tech.), National Informatics Centre
- (viii) Advisor (C&M), National Water Mission
- (ix) Chief Engineer (P&D), CWC/ Advisor (Tech), National Water Mission.

Copy for information to:

1. Sr. PPS to Secretary (WR);
2. Finance Desk, MoWR;
3. Cash Section;
4. Standing Guard file, PP Section.

(Syed Ravish Ali)
Under Secretary to the Government of India

ISSUED

No. 7/2/2013-PP
Government of India
भारत सरकार
Ministry of Water Resources
जल संसाधन मंत्रालय

Shram Shakti Bhawan, Rafi Marg,
New Delhi-01, Dated 20th February, 2014

ORDER

Sub:- Constitution of Committee for making recommendations for setting up the National Water Informatics Centre.

Reference Ministry of Water Resources Orders of even no. dated 6th January, 2014 and 24th January, 2014 on the subject cited above.

2. It has been decided to nominate Chairman, Central Ground Water Board (CGWB) as the **Vice-Chairman of the Committee**. He will chair the meetings of the Committee in the absence of the Chairman of the Committee.

3. The other terms and conditions of the Committee will remain unchanged.

(Syed Ravish Ali)

Under Secretary to the Government of India
Tel-23714350

Copy forwarded to:

1. Chairman, Central Ground Water Board, Bhujal Bhawan, NH IV, Faridabad-121001;
2. Member (WP&P), Central Water Commission, Sewa Bhawan, New Delhi-110066;
3. Joint Secretary (PP), Ministry of Water Resources;
4. Joint Secretary & Finance Advisor, Ministry of Water Resources;
5. Dr. J R Sharma, Project Director, India-WRIS;
6. Dr. Kishore Kumar, Sr. Director (Tech.), National Informatics Centre;
- ✓ 7. Chief Engineer (P&D), CWC/Advisor (Tech.), National Water Mission.

Copy for information to:

1. Sr. PPS to Secretary (WR);
2. Finance Desk, MoWR;
3. Cash Section;
4. Standing Guard file, PP Section.

(Syed Ravish Ali)

Under Secretary to the Government of India

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25/02
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No. 2/5/14-CE(P&D)/CWC/ 13-2)

भारत सरकार
GOVERNMENT OF INDIA

जल संसाधन मंत्रालय
MINISTRY OF WATER RESOURCES

केंद्रीय जल आयोग
CENTRAL WATER COMMISSION

कार्यालय मुख्य अभियंता (पी एंड डी)
OFFICE OF CHIEF ENGINEER(P&D)

सेवा भवन, आर.के. पुरम नई दिल्ली-110606
SEWA BHAVAN, R.K. PURAM, NEW DELHI
Tele:26102267, Fax: 26176710
Email: cepd-cwc@nic.in

Sub: Notice for the 1st meeting of the Committee for making recommendations for setting up the National Water Informatics Centre.

Ref: No.7/2/2013-PP dated 06.01.2014 & 24.01.2014

The first meeting of the Committee for making recommendations for setting up the National Water Informatics Centre under the chairmanship of Chairman, CGWB is scheduled to be held during 12 March 2014 at 1130 Hrs at Conference Hall, 5th Floor, CWC, Sewa Bhawan.

The points to be discussed are as under :

- i. To make recommendations on the modalities the National Water Informatics Centre to maintain and periodically update water related data in Water Resources Information System (INDIA WRIS) keeping in view the provisions of Inter state Water Dispute Act 1956 (as amended in 2002) and recommendations of the Planning Commission Working Group for water Database Development & management for the 12th five year plan.
- ii. To suggest mandate of the NWIC and its organizational structure and protocol including redeployment of officers from CWC, CGWB and NRSC and the job profile of various personnel.

The copy of notes is enclosed. Kindly make it convenient to attend the meeting.

Encl: As above

Sanjiv Aggarwal
(Sanjiv Aggarwal)
CE(P&D) & Member Secretary

To:

1. Chairman, CGWB, Bhujal Bhawan, Faridabad
2. Member (WP&P), CWC, Sewa Bhawan, New Delhi
3. Joint secretary & Financial Advisor, MoWR, New Delhi
4. Joint Secretary (PP), MoWR, New Delhi.
5. Dr J R Sharma, Project Director (INDIA WRIS), ISRO, New Delhi
6. Dr Kishore Kumar, Sr Director (Tech), NIC, New Delhi
7. Director, Remote Sensing Directorate, CWC, New Delhi

Copy for information to :-

- i. Sr. PPS to Secretary(WR), MoWR, New Delhi
- ii. PPS to Chairman, CWC, Sewa Bhawan, New Delhi.

अनु. / Sec. निदे. / Dte.
डा. सं. / Dy. No. 1654
दिनांक / Date 26/9/14

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3/144

**NATIONAL WATER RESOURCES INFORMATION CENTRE
(NWR-IC)**

1.0 Background

As per Inter-State River Water Dispute Act 1956, Sub section (1) of Section 9 A, provides that Central government shall maintain a data bank and information system at the national level for each river basin which shall include data regarding water resources, land, agriculture and matter related thereto, as the Central Government may prescribe from time to time. The Act further provides that the state Government shall supply the data to the Central Government or to an agency appointed by Central Government for the purpose, as and when required. In pursuance to the above, Ministry of Water resources vide notification No 5/2/2005-BM, New Delhi, dated 23rd November 2005 (annexure-1), declared the following:

“Central water commission (CWC) is maintaining basin-wise information on water resources; agriculture statistics for landuse (State-Wise), irrigation potential, water pricing etc, based on the information collected by Information System Organization of the CWC.

Central Government keeping in view the functions performed by CWC, considers it necessary to appoint the CWC as an agency to collect all data and information relating to river basins (s) supplied by State government”.

Central Water Commission (CWC), MoWR, initiated, the project 'Generation of Database and Implementation of Web enabled Water Resources Information System named as **India –WRIS in XI plan**. WRIS has been jointly formulated by CWC and ISRO to generate nationally consistent water resources database and is now scheduled to be completed in March 2014.

These large volume of data on water resources and allied fields generated under India-WRIS project now needs to be maintained and also to be updated periodically for proper decision making. New data in the field of Water Resources is also required to be put into this database as technology advances in water resources management. Apart from Water resources Engineering Services (CWES) cadre officers, Services, of professionals from the specialized fields, namely: GIS, Remote Sensing, Computer Science, IT etc is also required to accomplish the above tasks. Presently, there is no organization / institution in the country which can maintain and update such a large volume of water resources data at national level. Hence, there is an urgent need for establishment of a new organization as **NATIONAL WATER RESOURCES INFORMATION CENTRE (NWR-IC) within CWC.**

2.0 Goal

The goal of centre is to provide a 'Single Window' source of updated data on water resources & allied themes; and provide value added products and services to all stake holders for its management and sustainable development and benefit all communities across the nation.

3.0 Objectives

The broad objectives of the centre are:

- Management, updation, addition and maintenance of a national level water resources database as generated from India WRIS project
- Information generation for formulation of sound policies leading to sustainable and integrated water resources management at different levels
- Providing technical support in development of decision support system as per the requirement of various departments
- Creation of automated tools in water sector and their linking with water resource information system - providing web based data processing facility.

- Providing technical support to emergency response for hydrological extremes in the country.
- National / International Collaboration with institutions of repute. Establishing mechanisms for the exchange of knowledge for sustainable water resources in India in the context of global climate change.
- To bring awareness amongst the stakeholders about the portal as well as involving public in populating the information system.

4.0 Activities envisaged during XII Plan

- Maintenance, updating (Both at Country and State level) and management of database in spatial and non-spatial domain generated under India-WRIS project.
- Integration of State Government data like Hydro-meteorological data, Ground water data, Reservoir water level data, Water utilization data in agriculture/domestic/industrial use. By way of entering an MOU with State Government.
- Collaborating with IMD for integrating the meteorological data. Uploading of their real time data both point data and thematic information.
- Integration of output of morphological studies being undertaken by CWC during XII plan.
- Mapping of flood protection works done so far.
- Remote Sensing and GIS applications in water resources (Irrigation Infrastructure mapping, Flood inundation mapping, Irrigated area mapping)
- Mapping of CADA works
- Programming and application development for water resources as per user requirement
- Updating and uploading of daily/hourly observation data after calibration in real time (reservoir level, Gauge level on rivers, Flood data, Meteorological data)
- Training programmes alongwith NWA and organize workshops and symposia

- To create good video films on important irrigation projects by engaging professionals
- To produce technical publications and other media items related to the activities of the Centre.
- Supporting e-governance activities in CWC including developing small utility software's as per requirements.

For integrations of database from different sources as well as regular updation, a network between different agencies will have to be created so that all the updated data is available on India-WRIS portal. A schematic diagram is Annex – 2.

5.0 Financing

Budget is to be provided to CWC accordingly.

6.0 Special Requirements:

- i. **Manpower:** The center will require manpower support of both domain specialist as well as GIS, Remote Sensing and IT/Software. The domain specialist will be from CWES and redeployment from CGWB. To fulfill requirement of expertise in GIS, Remote Sensing and IT/Software few Scientist are to be taken from NRSC on deputation and in addition young professionals as JRF/SRF/RA/Research Scientist, as per DST guidelines, based on the need from time to time with upper limit of 20. The Scientist from NRSC will be required to maintain the continuity as well as for updation, maintenance and supervising the new works to be undertaken. The young contractual Scientist/Engineer's are essential in providing the requisite flexibility both in terms of quantity of professionals required and quality of work as this being part of IT industry, the technology keeps changing every 2 to 3 years and to keep pace with the technology only younger brains can infuse the know how as well as ideas. By keeping mix of the two, continuity

will be maintained as well as the information system will keep upgrading as per the latest technology.

- ii. **Power for Procurement Hardware & Software:** The Centre will have to work on 24x7 basis. The software and hardware has also be maintained and updated regularly, in order to keep pace with the technology. In emergency few purchases will have to be made in faster manner. This will require faster decision making. The Center will have additional powers then what is available to CWC officers. The Powers are:

- Procurement of Computer Hardware including servers, networking, Softwares which includes propriety softwares and there regular upgradation. – Rs 5.0 crore each case.
- Power to appoint JRF/SRF/RA/Research Scientist on Contractual basis as per DST guidelines. A selection committee under the Chairmanship of Member (WP&P), CWC with 2 experts and Chief Engineer of the Centre will be member. Approval to be given by Chairman, CWC.
- Award of Consultancy – Rs 1.0 crore
- Appointment of consultant for providing expert guidance in software and publications as well as data collection from various sources especially from State Government.
- Appointment of contractual staff for office work (PA, MTS)
- Payment of Honorarium and travel expenses to experts for delivering lectures
- Hiring of vehicles as per requirement
- For organizing seminar and workshops – Rs 2.0 lakh (each case)

The Chief Engineer of the Centre will thus have the powers, which are available to other field Chief Engineers of CWC including Chief Engineer, NWA.

The above additional powers will be vested with Chairman, CWC and these will be exercised on the advice of a need base committee setup under the chairmanship of Member (WP&P), CWC. The Committee may comprise of a member of IFD, MoWR, one representative from NRSC of the rank of JS (Scientist H), one representative from NIC not below rank of JS (Scientist G), with CE of the Centre acting as Member Secretary.

JS&FA, MoWR will act as IFD for the Centre and the cases will be sent directly for his concurrence before Chairman, CWC, gives approval.

7.0 Organizational Structure

Chief Engineer will have the overall responsibility of the center and will work/report in the direction of Chairman, CWC. For providing overall guidance to the center, it will have an Advisory committee consisting of representatives from MoWR / other ministries and states and will provide a broad framework for all the activities.

Based on the proposed objectives, the work involved and with the experience of India-WRIS project implementation, a total of 32 manpower for the entire setup will be there which will have cadre post for Central Water Commission, CGWB and 11 post on deputation from ISRO/NRSC as scientist which will have to be created and 4 post of technicians will also have to be created which will be by direct recruitment. The proposed schematic diagram is enclosed in Annexure – 3. The details of the eligibility criteria and qualification required for the new posts to be created is given in Annexure – 4.

8.0 Advisory Committee

The Centre will disseminate the current data sets on all aspects of water resources to all concern, and will collaborate with organizations in the country, which are observing / generating data sets on water resources. The organizations will be represented in the advisory committee of the centre namely; MoWR, CWC, IMD, ISRO, CGWB, CPCB, Agriculture, Rural development Ministry & state chiefs of the water resources department etc. with CWC Chairman as chairman of the committee.

The Advisory committee shall:

- Approve the long term and medium term programmes of the Centre and monitor them periodically

1. Chairman, CWC- Chairman

Members of the Committee

2. Commissioner (SPR)
3. Member (RM), CWC
4. ADG, IMD, Pune
5. Deputy Director, WR Division, NRSC, Hyderabad
6. Member, SML, CGWB
7. Member Secretary, CPCB
8. Joint Secretary, Agriculture
9. Joint Secretary, MoRD
10. Engineering Chief (WRD/Irrigation) of State Government from 5 states on rotational basis for 2 years
11. Head of NWIC-Member Secretary
12. MOEF
13. Planning Commission
14. SASE

केंद्रीय जल आयोग
CENTRAL WATER COMMISSION





भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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NEW DELHI, WEDNESDAY, NOVEMBER 23, 2005/AGRAHAYANA 2, 1927

जल संसाधन मंत्रालय

(बी. एम. अनुभाग)

अधिसूचना

नई दिल्ली, 23 नवम्बर, 2005

का.आ. 1637(अ).—अंतर्राष्ट्रियक नदी जल विवाद अधिनियम, 1956 (1956 का 33) (जिसे इसमें उक्त अधिनियम कहा गया है) की धारा 9क की उप-धारा (1) में, यह उपबंध है कि केन्द्रीय सरकार प्रत्येक नदी द्रोणी के लिए राष्ट्रीय स्तर पर एक आंकड़ा कोष और सूचना प्रणाली बनाकर रखेगी जिसमें जल संसाधनों, भूमि, कृषि और उससे संबंधित विषयों के आंकड़े सम्मिलित होंगे जिन्हें केन्द्रीय सरकार समय-समय पर विहित करे।

और, उक्त अधिनियम की धारा 9क की उप-धारा (1) में यह उपबंध है कि राज्य सरकार, केन्द्रीय सरकार को या उस प्रयोजन के लिए केन्द्रीय सरकार द्वारा नियुक्त किसी अधिकरण को, जब कभी अपेक्षित हो, आंकड़े प्रदाय करेंगी;

और, तत्कालीन सिंचाई मंत्रालय (वर्तमान में जल संसाधन मंत्रालय) के अधीन गठित केन्द्रीय जल आयोग, जल संसाधनों, भूमि के संबंध में कृषि खांछाकीय, सिंचाई क्षमता, जल मूल्यांकन आदि पर केन्द्रीय जल आयोग के सूचना प्रणाली संगठन द्वारा संग्रहीत सूचना पर आधारित, द्रोणी-वार सूचना बनाए रख रहा है;

और, केन्द्रीय सरकार, केन्द्रीय जल आयोग द्वारा चालन किए जाने वाले कृत्यों को दृष्टि में रखते हुए, राज्य सरकारों द्वारा प्रदाय किए गए नदी द्रोणीयों से संबंधित सभी आंकड़े और सूचना संग्रहण करने के लिए केन्द्रीय जल आयोग को एक अधिकरण के रूप में नियुक्त करना आवश्यक समझती है;

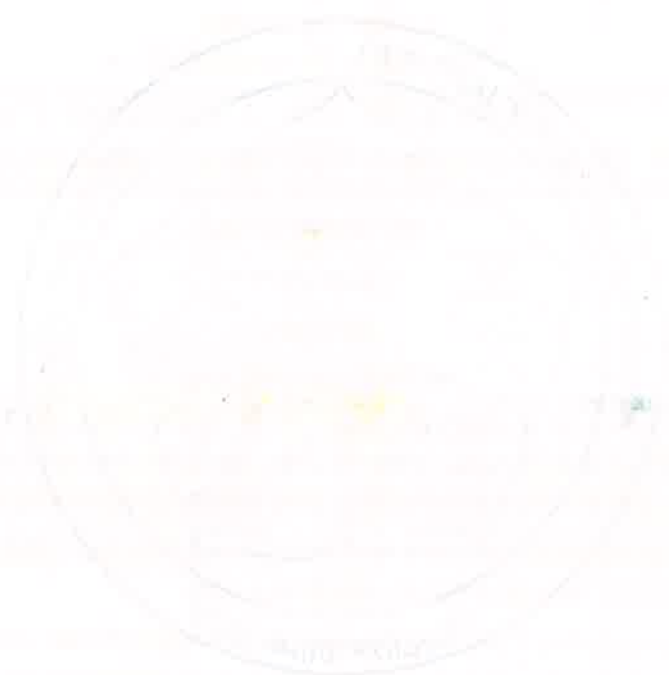
और, अतः अब, केन्द्रीय सरकार, अंतर्राष्ट्रियक नदी जल विवाद अधिनियम, 1956 की धारा 9 क की उप-धारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, प्रत्येक नदी द्रोणी के लिए आंकड़े कोष और सूचना प्रणाली बनाए रखने के लिए केन्द्रीय जल आयोग को एक अधिकरण के रूप में नियुक्त करती है जिसमें संबंधित राज्य सरकारों द्वारा केन्द्रीय जल आयोग द्वारा समय-समय पर अपेक्षित ऐसे प्रारूप और रीति में उपलब्ध कराए जाने वाले जल संसाधनों, भूमि, कृषि और उससे संबंधित विषयों के बारे में आंकड़े सम्मिलित हैं;

और, उक्त अधिनियम की धारा 9क की उप-धारा (2) के प्रयोजनों के लिए भी, केन्द्रीय सरकार, केन्द्रीय जल आयोग को नियुक्त करती है कि राज्य सरकार द्वारा प्रदाय किए गए आंकड़ों का सत्यापन करेगी और इस प्रयोजन के लिए केन्द्रीय जल आयोग, केन्द्रीय सरकार या केन्द्रीय जल आयोग के किसी अधिकारी को प्राधिकृत कर सकेगी जिसके अंतर्गत संबंधित राज्य सरकारों से ऐसे अभिलेखों और सूचना की मांग करने के लिए पर्याप्त अधिकार सम्मिलित हैं, जो उनके कृत्यों का निर्वहन करने के लिए आवश्यक समझे जाते हैं।

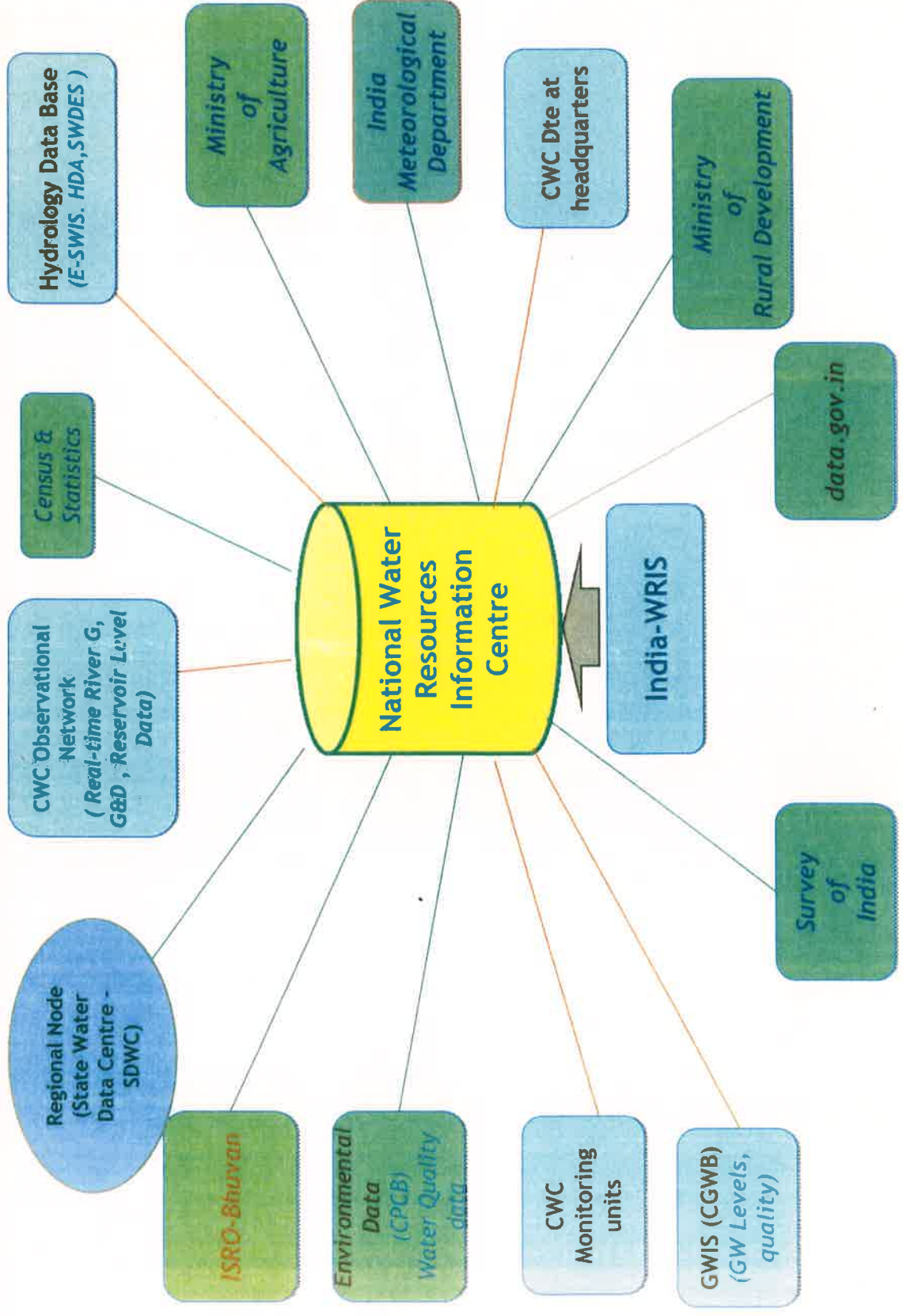
(पृष्ठ 57/12005-कोष)

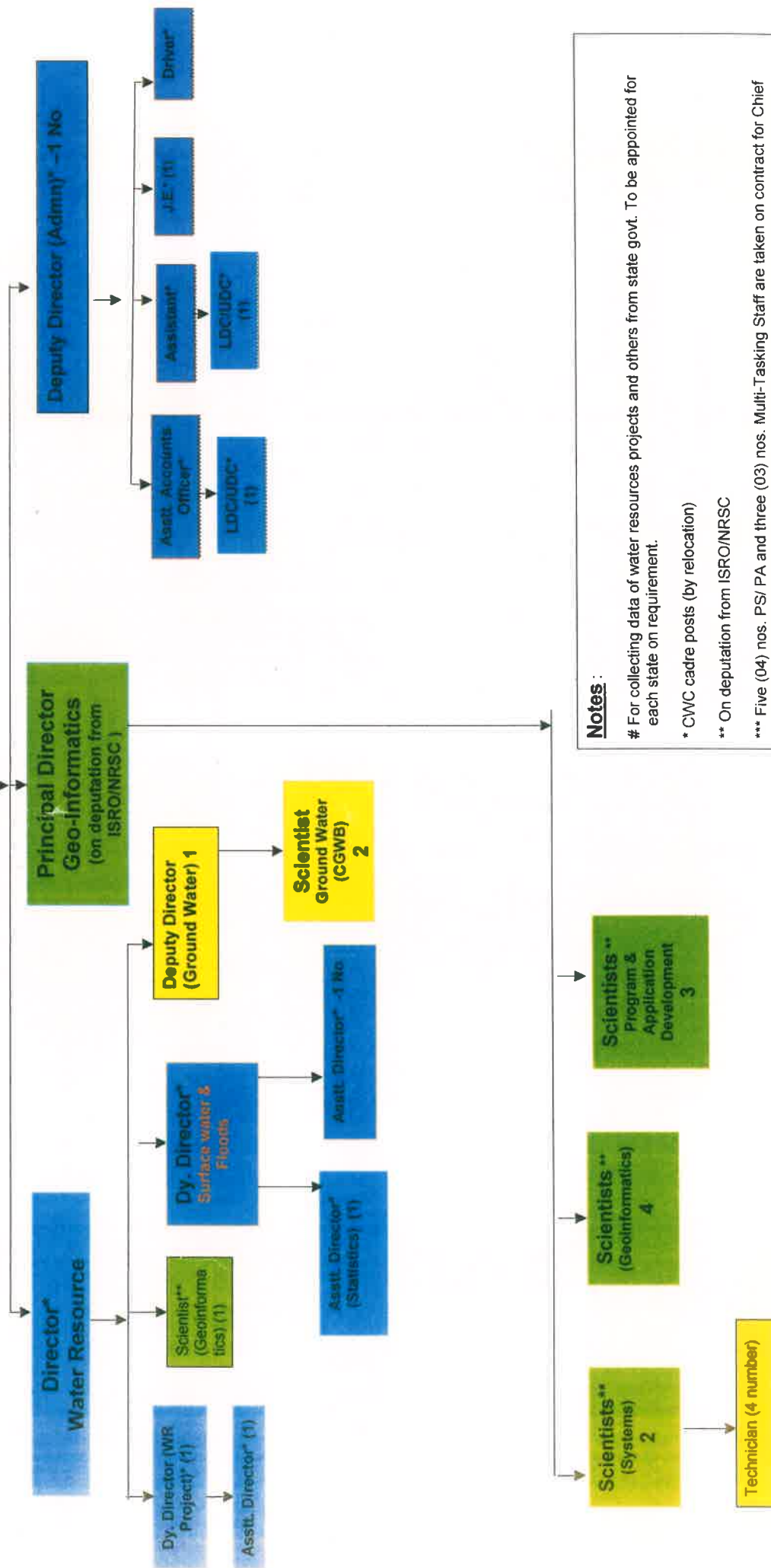
इसका नाम अधिसूचना है

REPORT OF THE COMMISSIONER OF THE CENTRAL WATER COMMISSION



Conceptual Framework for Inter-Institutional Linkages – NWRIC



ORGANIZATION STRUCTURE**ADVISORY
COMMITTEE****Chief Engineer*****Notes :**

For collecting data of water resources projects and others from state govt. To be appointed for each state on requirement.

* CWC cadre posts (by relocation)

** On deputation from ISRO/NRSC

*** Five (04) nos. PS/ PA and three (03) nos. Multi-Tasking Staff are taken on contract for Chief Engineer and Director.

**** JRF/SRF/RA/Research Scientist: To be recruited as per quantity of new work to be undertaken

Annexure - 4

A. Name of Post: Principal Director (Geo-Informatics) – 1 Number

Educational Qualification: BE/M.Tech/M.SC./PHD in Civil Engineering/Water Resources Engineering/Agriculture Engineering/Geoinformatics/Hydrology/Environmental Science

Desirable Qualification: Should hold same level post in NRSC, 10 years exposure in Hydrology/ Water Resources as well as 2 years experience in administration.

Pay Scale: PB-4: 37400-67000, Grade pay – 8700/8900

Duties & responsibilities: Supervising all the activities related to Generation & Updation of GIS data, Maintenance of hardware and Software including servers. Organizing of training programmes on India-WRIS portal for brining awareness amongst stake-holders



B. Name of Post: Scientist (Systems) – 2 Numbers

Educational Qualification: BE/M.Tech/M.Sc./MCA in Electronics/Computer Science/IT & Digital Communication

Desirable Experience: Minimum 2 years experience in Cyber security, system designing, analysis, network management, working knowledge of server hardware and networking, maintenance of hardware & software. Should hold same level post in NRSC/ISRO

Pay Scale: PB-3: 15600-39100/ 5400 to 7600

Duties & responsibilities; Maintenance of Hardware and Networking including Servers

C. Name of Post: Scientist (Geo-informatics): – 5 Number

Educational Qualification: M.E. /M.Tech/ M.Sc/Phd in Geology, Environmental Science/Geography/Forestry/Agriculture/Soils/Geoinformatics/Remote Sensing or BE any stream with M.Tech in Remote Sensing

Desirable Qualification: Minimum 2 years experience in satellite data handling/analysis and database designing for water resources related application. Should hold same level post in NRSC/ISRO

Pay Scale: PB-3: 15600-39100/ 5400 to 7600

Duties & responsibilities: For Conversion of all type data into GIS (Satellite data, Papers maps), Quality checking of databases.

D. Name of Post: Scientist (Programme & Application Development) – 3 Number

Educational Qualification: B.E./M.Tech in Computer Science/Electronics/IT, MCA with BCA or B.Sc, M.Sc in Computer Science/IT/Applied mathematics/Statistics/Physics/Electronics/Geoinformatics

Desirable Qualification: Minimum 2 years experience web application S/W development using web services/Programming in .NET,C,FLEX,AJAX,J2EE,JAVA Script, Customised DSS in server GIS environment, Database Programming. Should hold same level post in NRSC/ISRO

Pay Scale: PB-3: 15600-39100/ 5400 to 7600

Duties & Responsibilities: Database designing & Application development, Maintenance of software, Development of tools as per requirement, Development of utility softwares.

E. Name of Post: Technicians (Electrical) – 4 Number

Educational Qualification: ITI in Electrical/ Air Conditioning

Pay Scale: PB-1: 5200-20200+ 2400 (Grade Pay)

Duties & responsibilities; Maintenance of Electrical Supply and Generator and Air Conditioner



RS

No. 2/5/14-CE(P&D)/CWC/ 37-45

भारत सरकार / GOVERNMENT OF INDIA

जल संसाधन मंत्रालय / MINISTRY OF WATER RESOURCES

केंद्रीय जल आयोग / CENTRAL WATER COMMISSION

कार्यालय मुख्य अभियंता (पी एंड डी) / OFFICE OF CHIEF ENGINEER(P&D)

सेवा भवन, आर.के. पुरम नई दिल्ली-110606

SEWA BHAVAN, R.K. PURAM, NEW DELHI

Tele:26102267, Fax: 26176710


Email: cepd-cwc@nic.in

Dated: 07.04.2014

Sub: Minutes of the 1st meeting of the Committee for making recommendations for setting up the National Water Informatics Centre.

Please find enclosed herewith the minutes of the 1st meeting of the **Committee for making recommendations for setting up the National Water Informatics Centre** held on 12th March, 2014 at 11.30 hrs at Central Ground Water Board, Jam Nagar House, New Delhi for information and further necessary action.

Encl: as above


(Mahendra Pratap Singh)
Chief Engineer (P&D) &
Member Secretary

To:

1. Chaiman, CGWB, Bhujal Bhawan, Faridabad
2. Member (WP&P), CWC, Sewa Bhawan, New Delhi
3. Joint secretary & Financial Advisor, MoWR, New Delhi
4. Joint Secretary (PP), MoWR, New Delhi.
5. Dr J R Sharma, Project Director (INDIA WRIS), ISRO, New Delhi
6. Dr Kishore Kumar, Sr Director (Tech), NIC, New Delhi
7. Director, Remote Sensing Directorate, CWC, New Delhi

Copy for information to :-

- i. Sr. PPS to Secretary(WR), MoWR, New Delhi
- ii. PPS to Chairman, CWC, Sewa Bhawan, New Delhi.


17/04

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14/4

RS
जा. सं. / Sec. / नि. / दि.
236
दिनांक / Date
15/5/14

Summary record of discussions of the 1st Meeting of the committee to make recommendations on setting up of National Water Informatics Centre (NWIC)

The 1st meeting of the committee to make recommendation on setting up of National Water Informatics Centre was held under the chairmanship of Dr Sushil Gupta, Chairman, CGWB on 12th March 2014 in New Delhi. The list of the participants is enclosed as Annexure – I.

At the outset, the Chairman of the committee welcomed all the members and requested all the participants to give their inputs on the formation of NWIC and requested the Member Secretary to give context and a brief background regarding setting up the dedicated centre. Adviser (Technical), NWM, & Member Secretary while elaborating the necessity for establishment of the NWIC emphasised that the committee need to deliberate on the two major issues viz. the format of NWIC and secondly the manpower requirement and sources. Thereafter, Adviser (Technical) requested Director (RS), CWC to give background of NWIC and provisions under the EFC / cabinet approval. Director (RS) made detailed presentation on the issue and informed that India-WRIS portal has been developed by CWC under a project in collaboration with NRSC. However, in order to sustain / maintain the portal beyond the project period and also updating of data on near real time basis and keeping in view the dynamic nature of database, it is proposed to create NWIC under DWRIS scheme being implemented by CWC. During clearance of the EFC, Ministry of Finance had opined that work should be assigned to existing organisation under MoWR.

Thereafter Members of the committee expressed their views, which are as under:

1. Dr J.R.Sharma, CGM, NRSC shared his experience of India-WRIS portal development, and informed that the data received from state government are mainly as per political boundaries and these are to be converted into basin-wise information which is required for planning purpose. The work involved is mainly technical and therefore NWIC will require strong technical support.
2. Shri A. Mahendran, Member (WP&P), expressed that, CWC has played a major role in development of India-WRIS portal including real time data. In future CWC will be providing the major data/information for this portal as well as user. Therefore role of CWC in NWIC will be extremely important.
3. Shri Sanjiv Aggrawal, CE (P&D), CWC stated that the data of India-WRIS portal is required to be updated and enlarged in a manner which can support decision process in planning of Water resources Project, basin-wise as well as state-wise. In this connection role of CWC as a data provider and data consumer gets important.

4. Shri Sunil Kohli, JS&FA, MoWR, expressed that state participation is important in WRIS and reconciliation of data also needs to be done regularly. The work involved is of technical nature. He opined that we need to understand how many Dte/Units in CWC are involved in providing data/information for India-WRIS portal. He further desired that a presentation in this regard may be made for firming the modalities of setting NWIC in the next meeting.
5. Dr Ranjana Nagpal, DDG, NIC offered valuable inputs regarding IT aspect of setting up of NWIC, further she stated that technical autonomy for centre is most important and needs to be ensured as the work is of technical nature.
6. Dr M.K. Sinha, SJC (PP), MoWR highlighted the provisions under DWRIS scheme for creating the NWIC. He also informed that Cabinet approval of the scheme mentions only for creation of NWIC without any details about the structure and hence the committee need to deliberate and recommend possible format and manpower requirements.

In view of the deliberations and suggestions of the members it was decided that a detailed presentation may be made by CWC in the next meeting to bring more clarity on the role played by various Dte/units of CWC in providing data/ information for India-WRIS portal and also a broad framework and manpower requirements in line with the discussions held for setting up the NISC.

The meeting concluded with thanks to the chair.

List of the participants

1. Shri A. Mahendran, Member (WP&P), CWC
2. Shri Sunil Kohli, JS&FA, MoWR
3. Dr J.R. Sharma, Chief General Manager, NRSC, Hyderabad
4. Dr Kishore Kumar, Senior Technical Director, NIC
5. Dr M. K. Sinha, SJC (PP), MoWR representing JS (PP), MoWR
6. Shri Sanjiv Aggrawal, Chief Engineer (P&D) CWC & Adviser (Technical), NWM – Member Secretary

Invitees

7. Shri M.P. Singh, Chief Engineer, CWC
8. Dr Ranjana Nagpal, DDG, NIC
9. Dr R.C. Jain, Member (SML), CGWB, Faridabad
10. Shri Yogesh Paithankar, Director (RS), CWC
11. Dr S.K. Sinha, Scientist D, CGWB, Faridabad

केन्द्रीय जल आयोग
CENTRAL WATER COMMISSION

No. 2/5/14-CE(P&D)/CWC- 80 - 89

भारत सरकार / GOVERNMENT OF INDIA

जल संसाधन मंत्रालय/ MINISTRY OF WATER RESOURCES

केंद्रीय जल आयोग/ CENTRAL WATER COMMISSION

कार्यालय मुख्य अभियंता (पी एंड डी)/ OFFICE OF CHIEF ENGINEER(P&D)

सेवा भवन, आर.के. पुरम नई दिल्ली-110606

SEWA BHAVAN, R.K. PURAM, NEW DELHI

Tele:26102267, Fax: 26176710

Email: cepd-cwc@nic.in

Dated: 28.05.2014

Sub: Minutes of the 2nd meeting of the Committee for making recommendations for setting up the National Water Informatics Centre.

Please find enclosed herewith the minutes of the 2nd meeting of the **Committee for making recommendations for setting up the National Water Informatics Centre** held on **16.5.2014 at 4.00 p.m.** at Committee Room, Ministry of Water Resources, Shram Shakti Bhawan, New Delhi. for information and further necessary action.

Encl: as above

(Signature)
(Mahendra Pratap Singh)
Chief Engineer (P&D) &
Member Secretary

To:

1. Chaiman, CGWB, Bhujal Bhawan, Faridabad
2. Member (WP&P), CWC, Sewa Bhawan, New Delhi
3. Joint secretary & Financial Advisor, MoWR, New Delhi
4. Joint Secretary (PP), MoWR, New Delhi.
5. Dr J R Sharma, Project Director (INDIA WRIS), ISRO, New Delhi
6. Dr Kishore Kumar, Sr Director (Tech), NIC, New Delhi
7. Director, Remote Sensing Directorate, CWC, New Delhi

Copy to: PPS to Addl. Secretary(WR), MoWR, New Delhi

Copy for information to :-

- i. Sr. PPS to Secretary(WR), MoWR, New Delhi
- ii. PPS to Chairman, CWC, Sewa Bhawan, New Delhi.

File 3/144

अनु./Sec./निदे./Dte.
ज. सं./Dy. No. 285
दिनांक/Date 16/6/14

Minutes of the 2nd Meeting of the Committee for making recommendations for setting up the National Water Informatics Centre (NWIC)

The 2nd meeting of the committee for making recommendations for setting up the National Water Informatics Centre (NWIC) was held under the Chairmanship of Dr. Amarjit Singh, Additional Secretary, MoWR, on 16th May 2014 in New Delhi. The list of the participants is enclosed as Annexure – I.

At the outset, the Chairman of the committee welcomed all the participants.

Thereafter, Dr J.R. Sharma, Chief General Manager, NRSC, made a presentation on India-WRIS project and shared his experience during the execution of the project. He further informed that 36 Research Scientists with Remote Sensing, GIS and IT backgrounds were recruited for this project. Out of these only 22 Scientist are now remaining and working on the project. He informed that huge amount of data and records were provided by Director (RS), CWC for feeding the data base of the India-WRIS web portal and a team of officers of CWC was actively associated for advising on various aspects of water resources information.

A live demonstration of the website was also made for the information of the members. Dr. Sharma explained various data layers and utilities of India-WRIS. The committee applauded the efforts made by ISRO/ NRSC and CWC. For future work, the Chairman of the committee emphasised that the information system should focus on providing information which can assist in policy planning in water sector.

JS &FA, MoWR expressed that India-WRIS is one part of the of Water resources information. Other than GIS data, a lot of data in other formats like Excel, PDF is available which can be collated and included in the system. He also mentioned that the information available should be useful to the states. It was felt that full information is not available at one place/display presently and lot of exploring is required within the portal to get the different information.

It was felt that India-WRIS portal needs more customisation so that the information can be accessed in a much simpler way. The focus should now be towards providing information for decision support system.

The requirement of man power was also discussed and it was felt that the man power will be required for maintaining the system as well as for giving intellectual guidance.

After deliberation it was decided that Dr J.R. Sharma, CGM, NRSC and Director (RS), CWC will prepare a report on National Water Informatics Centre (NWIC) containing requirement of manpower (RS, GIS professionals, IT professionals & subject domain expertise) keeping in view the futuristic programme as brought out in Plan document and RFD of the ministry, the recurring and non-recurring cost, requirement of Hardware and structure of the NWIC.

The meeting concluded with thanks to the chair.

List of the participants

1. Dr Sushil Gupta, Chairman, CGWB, Faridabad
2. Shri A. Mahendran, Member (WP&P), CWC, New Delhi
3. Smt Urvilla Khatri, JS (PP), MoWR, New Delhi
4. Shri Sunil Kohli, JS&FA, MoWR, New Delhi
5. Dr J.R. Sharma, Chief General Manager, NRSC, Hyderabad
6. Dr Kishore Kumar, Senior Technical Director, NIC, New Delhi
7. Shri M.P. Singh, Chief Engineer, CWC & Adviser (Technical), NWM – Member Secretary

Invitees

8. Shri Sanjiv Aggarwal, Chief Engineer (PMO) CWC, New Delhi
9. Dr R.C. Jain, Member (SML), CGWB, Faridabad
10. Dr M. K. Sinha, SJC (PP), MoWR, New Delhi
11. Shri Yogesh Paithankar, Director (RS), CWC, New Delhi
12. Shri Alok Pal Kalsi, Deputy Director (RS), CWC, New Delhi
13. Shri B. Koti Reddy, Scientist D, NIC, New Delhi

No. 3/144/2017-RS/454-465
Central Water Commission
Remote Sensing Directorate

403(S), Sewa Bhawan
R.K. Puram
New Delhi- 110 066.
Tel.26107897

Dated- June 13, 2017

MEETING NOTICE

Subject: Third Meeting of Advisory-cum-Monitoring Committee to monitor the progress of work of India-WRIS.

Third Meeting of Advisory-cum-Monitoring Committee to monitor the progress of work of India-WRIS will be held on 20th June 2017(Tuesday) at 3.00 PM in the Committee Room of CWC, 3rd floor, New Delhi under the Chairmanship of Member(WP&P),CWC. Agenda of the Meeting is as follows:

1. Follow up action
 - (i) Vision Document of NWIC
 - (ii) ToR for hiring of consultancy for improvement of India-WRIS & Additional Manpower of Geo-informatics.
2. Monthly Progress Report of India-WRIS.
3. Status regarding NWIC.
 - (i) Present status of setting up of NWIC
 - (ii) Identification of Manpower from CWES cadre
 - (iii) Finalization of specialization of DoS Scientists for NWIC.

Please make it convenient to attend the meeting.


(Yogesh Paithankar)
Director(RS)

To

1. PPS to Member,WP&P,CWC, Sewa Bhawan, R.K. Puram, New Delhi.
2. Chief Engineer, EMO, CWC, Sewa Bhawan, R.K. Puram, New Delhi.
3. Dr. Sharad K. Jain, Scientist-G & Project Coordinator, National Institute of Roorkee, Jal Vigyan Bhawan, Roorkee-247667.
4. Dr. P. Nandakuamaran, Regional Director, HP, CGWB, Bhujal Bhawan, NH-IV, Faridabad- 121001.
5. Ms. Vijay Bhanu, Manager, BTIO, National Remote Sensing Centre, Deptt. of Space, Balanagar, Hyderabad- 500 037.
6. Dr. R.M. Bhardwaj, Additional Director(Scientist E), CPCB, Parivesh Bhawan, East Arjun Nagar, Delhi 110 032.

7. Sr. Jt. Commissioner-II, NHP, MoWR, RD&GR, Room No. 223, Block-3, CGO Complex, Lodhi Road, New Delhi- 110 003.
8. Director, RD, CWC, West Block 1, R.K. Puram, New Delhi.

Copy to Special Invitee : Dr. V.V. Rao, Group Director(NRSC), Department of Space, Balanagar, Hyderabad- 500 625.

Copy also to Director(BP) & Director(WM), CWC.

Copy for information to PPS to Chairman, CWC. Please book the Committee Room for 20th June 2017 (Tuesday) at 3.00 PM.

Minutes of the 3rd Meeting of Advisory-cum-Monitoring Committee to monitor the progress of work of India-WRIS

The third meeting of Advisory-cum-Monitoring Committee was held on 20th June 2017 at CWC, New Delhi under the Chairmanship of Member (WP&P), CWC with the members from CWC, CGWB, NIH to monitor the progress of work of India-WRIS and defining future course of action in sync with the proposed goals of NWIC. The list of the participants is enclosed as Annexure-I.

Shri. S. Masood Husain, Member (WP&P) & Chairman of the Committee welcomed all the participants at outset. Thereafter the Committee took up the agenda items for discussion. Summary of discussion held and decisions taken during the meeting are given below:

1. Follow up Action since the last meeting

i. Vision Document of NWIC:

Director (RS) informed that Vision document of NWIC which was finalized by the Committee has been circulated. Subsequently, SJC, MOWR, RD&GR was asked to take approval of the Secretary (MOWR, RD&GR) on the same.

ii. TOR for hiring of Consultancy for improvement of India-WRIS & additional manpower of Geo-informatics:

The Committee was informed that the sub group formed in the 2nd meeting to finalize the TOR for consultancy of work for NWIC met in May, 2017 and finalized the TOR. It was informed by SJC-II that the cost of consultancy is quite high and if needed the manpower required for software part may be reduced for reduction in cost. The sub-group was asked to prepare a rough estimate within 15 days to assess manpower requirement taking cost factor into account and finalize TOR accordingly. Director (RS) suggested that manpower hired for database generation, updation and product creation needs to work under the supervision of CWC/NWIC as the nature of work cannot be quantified which was agreed.

2. Review of Monthly progress of work of India-WRIS:

Director (RS) presented the progress of work of India-WRIS in the last one and a half month. Major works included were visualization of Ground water level Sub-Info system, a comparison between new layer of river network and waterbodies with old one was presented to show the refinement and updation work which is being carried out in the existing data.

Reservoir Module:

- It was brought to notice of the Committee that the report generated by WM dte. through NIC module and automatic report generated through India-WRIS are not convergent due to erroneous data entry.
- It has been observed that for some reservoirs the data entered by CWC field offices are absurd and highly erroneous.

- The Committee directed WM Dte. CWC to identify the issues in wrong data entry and get them resolved at the earliest by contacting/taking up issue with the concerned authority.
- It was decided that WM Dte. would correct the erroneous data entered for all the 91 monitoring reservoirs in India-WRIS within a period of one month.

3. Status regarding NWIC:

It was observed by the Committee that present approval received for NWIC will have operational problems while deputing manpower due to recruitment rules. The Committee asked Director (RS) to prepare a note highlighting the concerns of CWC for MOWR, RD &GR and circulate the same to members of Committee for their comments in the next meeting so that recommendations can be sent to the Ministry.

The meeting ended with a vote of thanks to the Chair.



F. No. M-12011/1/2014-NWM
Government of India
Ministry of Water Resources, River Development & Ganga Rejuvenation
National Water Mission

Chs GP
16.1.2015
S. M. W. P. & P.
CE (emo)
Adv (ISO)

2nd Floor, Block No.3,
CGO Complex, Lodi Road,
New Delhi-110003
Dated: 12th January, 2015



Sub. : Summary Record of 4th Meeting on Establishment of National Water Informatics Centre held on 17.12.2014.

Enclosed please find herewith Summary Record of 4th Meeting on Establishment of National Water Informatics Centre held on 17.12.2014 under the Chairmanship of Additional Secretary (WR, RD & GR) at New Delhi. This is for favour of taking necessary action in the matter.

Encl.: As above

(Joginder Singh)
Adviser (Tech.)

To

- Joint Secretary & Financial Adviser/Joint Secretary (PP), MoWR, RD & GR, New Delhi.
- Member, (WP & P), CWC, New Delhi.
- Chairman, CGWB, Faridabad.
- DDG (NIC), New Delhi.
- Dr. J.R. Sharma, Project Director, India-WRIS, NRSC, Hyderabad.
- Chief Engineer (P & D), CWC, New Delhi.
- Dr. Kishore Kumar, Sr. Director (Tech.), National Informatics Centre (NIC), New Delhi.
- SJC (PP)/Director (Fin.), MoWR, RD & GR, New Delhi.
- Director (RS) Dte., CWC, New Delhi.

Copy to :

1. PS to AS (WR, RD & GR), New Delhi.
2. Sr. PPS to Chairman, CWC.

अनु./Sec./निदे./Dte.
डा. सं./Dy. No. 18
दिनांक/Date 20/1/15



Summary records of 4th meeting on establishment of National Water Informatics Centre (NWIC) held on 17.12.2014 at Shram Shakti Bhawan, New Delhi

A meeting was organized on establishment of National Water Informatics Centre on 17.12.2014 at 2.00 P.M. under the Chairmanship of Additional Secretary (WR, RD & GR), Ministry of Water Resources, River Development & Ganga Rejuvenation at Shram Shakti Bhawan, New Delhi. The list of the participants is enclosed at Annexure-I.

2. This meeting had been arranged to discuss the observations of the Secretary, MoWR, RD & GR (dated 15.09.2014) on the report of NWIC. The Chairman of the Committee [AS (WR)] asked the committee members/invitees to look into the establishment matters of NWIC. A tabular statement indicating ToRs of the Committee vis-à-vis its specific observations is enclosed at Annexure-II. CWC has indicated that 33 scientist posts of Geo-informatics and IT domain are likely to be required to be created since CWC does not have experts in this area. Dr. J.R. Sharma, CGM, NRSC, Hyderabad stated that during meeting between the Chairman, ISRO & Chairman, CWC held at New Delhi on 12th of November 2014, ISRO has indicated that it will not be possible for ISRO to provide so many scientists for establishment of NWIC.
3. The Committee was further informed that for India-WRIS project, NRSC had initially recruited 36 Research Scientist (Geo-informatics & IT/Systems) and out of whom 21 are remaining, who are managing the portal. The absorption of the trained manpower, working on this project will be critical for smooth running and future of NWIC. In addition, 11 posts of CWC & CGWB at various levels are proposed to be re-deployed for the Centre including Chief Engineer, CWC who will head the Centre.
4. The Committee members deliberated on the issues raised by Secretary MoWR, RD & GR and views of NRSC, it was agreed that NWIC would be created as a Society for greater autonomy. It would also be possible under the society structure to absorb the 21 Research Scientists (Geo-informatics & IT/Systems) already working under the project. Appropriate career progression options will, however, have to be worked out to provide promotional opportunities to these 21 scientists.

- (ii) The Governing Body of the Society would be headed by Chairman, CWC. In addition, the society will have representation from other Central Ministries/Organizations (MoEF & CC, Survey of India, Ministry of Agriculture, Ministry of Rural Development, Planning Commission, CPCB, NIC) and State Governments, (five State Governments with rotation period of two years) Civil Society, Research Institutions, Academic Institutions, etc. apart from representation from CWC and CGWB.
- (iii) The Chief Engineer (Environment Management), CWC will be heading the Centre and function as per directions of the Advisory Committee/ Governing Body.
- (iv) The posts of CWC & CGWB will be in the ex-officio capacity including Chief Engineer, CWC who will be CEO of NWIC. This arrangement will ensure complete involvement of CWC & CGWB. No new post of water domain experts will be required to be created.
- (v) As per advice of Director (Finance), MoWR, RD & GR, fresh SFC memo will have to be prepared to formalize this.

Meeting ended with the vote of thanks to the Chair.

Annexure-II**Establishment of National Water Informatics Centre**

A Committee was constituted under the Chairmanship of AS (WR) for making recommendations for setting up National Water Informatics Centre (NWIC) vide MoWR, RD & GR order No. 7/2/2013-PP dated 06.01.2014 and dated 24.01.2014 with the following ToR:-

Sl. No.	Terms of Reference	Recommendation considered in the Report	Remarks
1.	To make recommendations on the modalities for establishing the National Water Informatics Centre to maintain and periodically update water related data in the Water Resources Informatics System (India WRIS) keeping in view the provisions of Inter State Water Dispute Act, 1956 (as amended in 2002) and recommendations of the Planning Commission Working Group for Water Database Development & Management for the Twelfth Five Year Plan.	Para 3.3 – Major Task Major Task of the NWIC have been categorized into three groups : (a) Maintenance, updation and management of database. (b) Software development, Customized Information and application product generation. (c) Generation of new database (Table 3).	Pg. 9
2.	To suggest mandates of the National Water Informatics Centre and its organizational structure including re-deployment of Officers from Central Water Commission, Central Ground Water Board and National Remote Sensing Centre and the job profile of various personnel.	<u>Para 4.2, 4.3 – Annual Man-days work minimum Manpower requirement, Organizational structure of NWIC</u> Overall In-charge of NWIC will be Chief Engineer level officer re-deployment from CWC. The Centre shall have 10 water resources domain experts, 5 administrative support officials and 33 Geo-Informatics/ Systems domain experts. The creation of 33 Geo-Informatics/ Systems domain experts and its recruitment is to be undertaken and other officials shall be re-deployed from CWC, CGWB, etc.	Pg. 17
3.	To suggest protocol for effective functioning of National Water Informatics Centre.	<u>Para 4.1 – Space requirement, support services and proposed location</u> An area of 500 sq. m. for setting up of NWIC have been recommended for data processing lab, surveyor hosting room, data bank, store room, services, office area, etc.	Pg. 16
4.	Any other work incidental to setting up of National Water Informatics Centre.	<u>Para 19 & 21</u> An Advisory Committee have been suggested under the Chairmanship of Chairman, CWC with members from MoWR, CWC, CGWB, IMD, CPCB, NIC, SOI, MoA, MoEF, MoRD, State Irrigation/WRD, Research Institutions, Academic Institutions, Civil Society, etc. to facilitate and guide for annual plan and working with all the stakeholders.	Pg. 21

भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
जल आयोजन एवं परियोजना समन्वय निदेशालय
WP&P Coordination Directorate

तृतीय तल (द0), सेवा भवन,
 राम कृष्ण पुरम, नई दिल्ली -110066

वर्ष: श्री रवी शंकर जोशी, नाम - वसंतपुर, पोस्ट- फ़शपुर, (गोलपुर), हनुमानगढ़, जिला- नैनीताल, उत्तराखंड, पिन: 263139 (email-ravijoshinainital@gmail.com) का दिनांक 24.04.2019 के आवेदन (CWCND/R/2019/80066) दिनांक 24.04.2019 द्वारा सूचना के अधिकार अधिनियम 2005 के अंतर्गत मांगी गयी सूचना के संबंध में।

सूचना के अधिकार अधिनियम, 2005 के अंतर्गत अवर सचिव एवं नोडल अधिकारी, सूचना का अधिकार, केंद्रीय जल आयोग, नई दिल्ली से स्थानांतरित होकर इस कार्यालय में दिनांक 25-04-2019 को प्राप्त उपरोक्त आवेदन के संदर्भ में सूचित किया जाता है कि केंद्रीय जल आयोग के जल आयोजन एवं परियोजना विभाग में उपलब्ध बांधद्वारा सूचना वांछित सूचना निम्नानुसार है।

क्र.सं. क्र.मांक	चाह गई सूचना	सूचना का विवरण
1.	जमरानी बांध के निर्माण के संदर्भ में माननीय उच्च न्यायालय, नैनीताल द्वारा जनहित याचिका सं 138/2017 के क्रम में दिनांक 02-11-2018 को जारी किये गये आदेशों/निर्देशों के अनुपालन में कौन सी कार्यवाही के संबंध में जानकारी निम्न आधार पर देने का कष्ट करें- A. उक्त याचिका पर माननीय उच्च न्यायालय, नैनीताल द्वारा दिनांक 02-11-2018 को जारी किये गये आदेशों / निर्देशों के अनुपालन में केंद्रीय जल आयोग/ जल संसाधन मंत्रालय, भारत सरकार द्वारा कौन सी कार्यवाही उठाए गये प्रत्येक कदमों का पूर्णतः स्पष्ट जानकारी देने का कष्ट करें। B. माननीय उच्च न्यायालय, नैनीताल के कौन सी आदेशों / निर्देशों के अनुपालन में कौन सी प्रत्येक कार्यवाही से संबंधित समस्त दस्तावेजों का (सभी प्रतियाँ आदि व प्रत्येक) सत्यापित- प्रस्तुत देने का कष्ट करें।	(A & B) माननीय उच्च न्यायालय, नैनीताल द्वारा जनहित याचिका सं 138/2017 के क्रम में दिनांक 02-11-2018 को जारी किये गये आदेशों/निर्देशों का प्रत्येक इस कार्यालय को प्राप्त नहीं हुई है। अतः इस संदर्भ में इस कार्यालय से सूचना शून्य समझी जाये।
2.	जमरानी में निम्नलिखित बांध परियोजना का वित्तियन विवरण / प्रगत के संबंध में जानकारी निम्न आधार पर देने का कष्ट करें।	(A, B, C, D, E, F, G & H) उत्तराखंड सरकार द्वारा जमरानी बांध परियोजना के संशोधित लागत अनुमान के प्रस्ताव को केंद्रीय जल

<p>A) बांध परियोजना का वतखान गत / पित्त का पूणजानकार देने का कट करै।</p> <p>B) जयमानुसार बांध परियोजना हेतु राय व का के कन कन तरो/ वभाग / ाधकरण से अनुमत / अनापति /सहमत लेनी आवयक है, पूण व पट जानकार देने का कट करै।</p> <p>C) वतखान तक बांध परियोजना हेतु राय व का के कन कन तरो मै अनुमत / अनापति /सहमत ात हो चुक है, पूण व पट जानकार देने का कट करै।</p> <p>D) बांध परियोजना हेतु राय व का के कन कन तरो मै अनुमत / अनापति /सहमत लंबत है पूण व पट जानकार देने का कट करै।</p> <p>E) बांध परियोजना हेतु उत्तर देश, उत्तराखंड व केय जल आयोग/ जल संसाधन मंालय, भारत सरकार के मय कतने सहमत प / MOU (Memorandum of Understanding) पर हता र समत MOU का सयाप्त त देने का कट करै।</p> <p>F) बांध परियोजना हेतु उत्तर देश, उत्तराखंड व केय जल आयोग/ जल संसाधन मंालय, भारत सरकार के मय हुई येक वाताक पट जानकार देने का कट करै उत्त वाता का वरण/वृतांश/कायवृत्त/मजस से संबंधित समत दतावेजो का सयाप्त त भी देने का कट करै।</p> <p>G) बांध जमाषा के लये वतीय (Financial) ंबंधन हेतु वतखान तक कन कन तरो / सथाओ (का से वदेशी सरकार से Asian Development Bank World Bank आद) से वाताक गयी है, येक का पट जानकार देने का कट करै।</p> <p>H) बांध परियोजना के जमाषा के लये वतीय ंबंधन (Financial) हेतु कन कन तरो / सथाओ (का से वदेशी सरकार से Asian Development Bank World Bank आद) से सहमत प /अनुबंध MOU (Memorandum of Understanding) पर हता र कये गये है, येक का सयाप्त त देने का कट करै।</p>	<p>आयोग मे जमा करने पचात इस योजना का केय जल आयोग का मजूदा मूयांकन दशा नदशा (Guidelines) के आधार पर मूयांकन कया गया। योजना को मूयांकन हेतु केय जल आयोग एवं अय केय मंालय/वभाग के वशाठ नदेशालय/अंगो (Hydrology, Irrigation Planning, Inter-State, Gates, Hydel Civil Design, Plant Planning, international clearance, Seismic analysis etc) मे भेजा गया एवं राय सरकार वारा ताव मे संतुठ-पूवक कायवाह एवं नीत-समत संशोधन के पचात ह योजना के उस अंग को वशाठ नदेशालय/वभाग वारा पारत/clear कया गया।</p> <p>जमरानी बांध परियोजना हेतु उत्तराखंड सरकार एवं उत्तर देश सरकार के मय इस योजना के लागत एवं जल को साझा करने (sharing) के लए सहमत प/MOU (Memorandum of Understanding) पर हता र फरवर 2018 मे हुआ है। हता रत MoU का त अनुलनक-1 (A)मे दया है।</p> <p>योजना के सभी अंगो का तकनीक एवं आधक मूयांकन पूरा होने के पचात योजना का वतखान मूय सूचकांक के अनुसार लागत अनुमान Rs. 2584.10 Crore (May, 2018 Price level) के ताव को जल संसाधन मंालय, भारत सरकार का सलाहकार समत (Advisory Committee) का 11/02/2019 को केय जल आयोग, नई दल मे हुई 141वी बैठक मे वचार-वमश कया गया। वचार-वमश के पचात सलाहकार समत ने योजना के ताव को कुछ वशाठ एवं सामाय शत के आधार पर योजना को पारत कया । सलाहकार समत का बैठक का कायवृत्त अनुलनक-2 मे दया है।</p> <p>बैठक मे उत्तराखंड सरकार को State Finance Concurrence, Stage-II Forest Clearance, Environment Clearance, NMCG Concurrence and State Agriculture Department Certificate in respect of rate and yield जमा करवाने का नदशा दया गया था एवं साथ ह यह भी सूचित कया गया क इस वीकृत के साथ योजना के कायहेतु जल संसाधन मंालय, भारत सरकार का कसी भी योजना के तहत वत पोषण का गारं नह है। बैठक के उपरांत उत्तराखंड सरकार ने माच 2019 मे State Agriculture Department Certificates केय जल आयोग मे जमा कर दये है। इसके उपरांत उत्तराखंड सरकार से State Finance Concurrence, Stage-II Forest Clearance, Environment Clearance and NMCG Concurrence वांछत है । इस संदभमे अपैल, 2019 मे उत्तराखंड सरकार को अनुमारक भी दया गया ।</p>
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		उत्तराखंड सरकार द्वारा सभी लंबित कायदाह पूर्ण करने के बाद राज्य सरकार द्वारा परियोजना का investment clearance स्थाव जमा होगा जिसको परमाण के बाद जल संसाधन मंत्रालय, भारत सरकार का Investment Clearance Committee के विचार-विमर्श के लिए भेजा जाएगा ।
3.	बाँध का निमाणा हेतु केन्द्रीय जल आयोग / जल संसाधन मंत्रालय, भारत सरकार के त्तर से या या कायदाह / या होनी आवश्यक है याेक कायदाह/ या का चरण वध जानकारी देने का कट करै।	बाँध का निमाणा हेतु केन्द्रीय जल आयोग / जल संसाधन मंत्रालय, भारत सरकार के त्तर से होने वाल कायदाह / या का चरण वध जानकारी केन्द्रीय जल, भारत सरकार का Guidelines for Submission, Appraisal and Acceptance of Irrigation and Multipurpose Projects, 2017 में प्रवृत्त है, जिसका एक त्त आपको भेजी जा रहा है। (अनुलनक-3)
4.	बाँध का निमाणा हेतु केन्द्रीय जल आयोग / जल संसाधन मंत्रालय, भारत सरकार के त्तर से या या कायदाह / या पूर्ण हो चुका है, याेक कायदाह/ या का पट जानकारी देने का कट करै।	(4&5) इस संदर्भ में सूचना ऊपर म संया 2 में दे दी गयी है।
5.	बाँध का निमाणा हेतु केन्द्रीय जल आयोग / जल संसाधन मंत्रालय, भारत सरकार के त्तर पर कौन कौन सी कायदाह वतमान में गतमान है/ विचाराधीन है /लंबित है, याेक कायदाह / या का पट जानकारी देने का कट करै।	

Ends: 1. Annex-1(Copy of notesheet, report),
2. Annex-1A(हस्तात त MoU का त्त),
3. Annex-2 (सलाहकार समित का बैठक का कायवृत्त)
4. Annex-3 (Guidelines for Submission, Appraisal and Acceptance of Irrigation and Multipurpose Projects, 2017)

निदेशक Director

ज.आ.एवं प. स.नि. तथा मु य जनसूचना अधिकार WP&P (C) & CPIO

ी रवी शंकर जोशी, ाम - वसंतपुर , पोस्ट- कशपुर, (गोलपुर), हवानी, जिला- नैनीताल, उत्तराखंड, फ़ोन: 263139 (email-ravijoshinainital@gmail।com)

त अवर सचिव एवं सूचना के अधिकार के नोडल अधिकार काय जल आयोग, सेवा भवन, रामकृष्ण पुरम, नई दल-110066 को उनके प सं. A-49012/8/2019/RTI/148 दनांक 25-04-2019 के संदर्भ म सूचना एवं आवश्यक कायदाह हेतु ।

In case you are not satisfied with the information/ reply provided by this office, you may directly prefer an appeal within 30 days from the receipt of this letter to the first appellate authority whose address is given as under. Name, designation & address of Appellate Authority for WP&P wing of CWC is Chief Engineer (PAO), Central Water Commission, 7th Floor (S), Sewa Bhawan, R. K. Puram, New Delhi – 110066. Phone No. 26103561 Fax No.26103561. email-ceprjap@nic.in

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
IRRIGATION PLANNING (NORTH) DTE.

204 (S) Sewa Bhavan
R.K. Puram, New Delhi-66

Sub: **Project Report on Jamrani Multipurpose Project (Revised) - Uttaranchal - reg.**

Ref: CWC U.O. No. 2/140/06-PA(N)/322-31 dated 28.2.2006

CWC U.O. No. 2/140/06-PA(N)/960-63 dated 25.5.2006

Above mentioned project report received vide letter referred above has been examined on inter-state aspect and the comments are as under:

Introduction

The project proposal envisages construction of a multipurpose project across river Gola, Nainital (Distt.) Uttaranchal. The project will provide an additional irrigation of 60,600 ha out of which 12,993 ha in Uttaranchal and 47,607 ha in U.P. with intensity of irrigation from 52.4% to 92.7%.

The total irrigated area will be 1,39,386 ha out of CCA 1,54,674 ha and it is also proposed to provide drinking water supply in Haldwani and Bhabar area, and to construct Hydel Power plant having 3x10 MW installed capacity. The total Drainage area upto the proposed dam site is 450 sq.km. and live storage 144.3 MCM. The total water requirement for irrigation 417 MCM and water supply 52.93 MCM. The estimated cost of the project is Rs. 927.93 crore at price level December, 2005.

Comments:

- (1) It is stated in the report that no inter-state/international aspect is involved. The project is located across the river Ramganga, a tributary of river Ganga, an inter-state river. The Planning Commission vide their letter dated 30.11.2000 has clarified that any project which is located on an inter-state river or its tributary will be deemed to involve inter-state ramification. Hence, this aspect needs to be discussed appropriately along with sharing of cost and benefit in the DPR.
- (2) The DPR provides (Annex-16) a record of discussion held on 6.9.2005 regarding Jamrani dam Multi purpose project between the officers of the irrigation departments of UP and Uttaranchal. It shows that no agreement has been reached regarding sharing of cost of the project and benefit derived from it. A copy of the project proposal may be sent to UP for their concurrence and the same may be intimated to this office.
- (3) The proposed project is a multipurpose project having a reservoir capacity of 208.6 MCM for drawing water for irrigation 417 MCM, drinking water supply 52.93 MCM and evaporation losses 5 MCM. The quantities mutually agreed between Uttaranchal and U.P. may be adjusted against the share of Uttaranchal & UP respectively whenever an agreement is reached on sharing of Ganga waters among basin States.
- (4) The availability of water for the proposed multipurpose project may be got vetted by the concerned Directorate of CWC.

This issues with the approval of CE (IMO).

Director, PA (North) Dte., CWC, Sewa Bhawan
CWC U.O. No. 8/7(UU)/2004/IP (N)/423 dated 30/05/2006

(P.S. Aravindakshan)
Director, IP (N)



Government of India

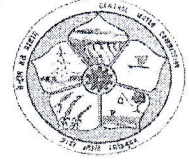
भारत सरकार

Central Water Commission

केन्द्रीय जल आयोग

Inter State Matters-2 Dte.

अंतरराज्यीय मामले निदेशालय



Fifth floor, SewaBhawan

R.K.Puram, New Delhi-66

रामा कृष्ण पुरम, नई दिल्ली -६६

Telephone No: 011-29583207

Email: ism2dte@gmail.com

Sub: MoU between Govt. of UP and Govt. of Uttarakhand regarding Jamrani Dam MPP- reg.

Ref: Lr no. 2/140/2013 –PA(N)/ 331 dated 15.03.18

May kindly refer to the letter cited above forwarding therewith MoU between Govt. of UP and Govt. of Uttarakhand regarding Jamrani Dam MPP for comments from Inter State aspect.

In this regard, The MoU has been examined in light of earlier comments of IP(N) Dte. Lr no. 423 dated 06.06.2006. The MoU shows that an agreement has been reached between party States Uttar Pradesh and Uttarakhand regarding sharing of cost and sharing of water. Accordingly, the earlier comments have been complied with and there is no further comment to offer w.r.t Inter State aspect.

This issues with approval of CE (IMO).


(Rajesh Kumar)
Director

o/c

Director, PA(N) Dte., CWC, Sewa Bhawan, New Delhi

File no. 2/ 6/ ISM-2/ 2017/ 189 dt. 25.05.18

Sub: MoU between Govt. of UP and Govt. of Uttarakhand regarding Jamrani Dam MPP- reg.

FR is Lr no. 2/140/2013 --PA(N)/ 331 dated 15.03.18 from PA(N) Dte. forwarding therewith MoU between Govt. of UP and Govt. of Uttarakhand regarding Jamrani Dam MPP for comments from Inter State aspect.

Project Proposal:

Jamrani dam is proposed on river Gola near Jamrani village, 10 km u/s of Kathgodam in Nainital district of Uttarakhand . Its latitude and longitude are 29°16'15'' E and 79°36'36'' N respectively. Gola river, approx. 500 km long, originates in the Sattal lakes of Uttarakhand state, joins the Ramganga River near Bareilly in Uttar Pradesh which is a tributary of the river Ganga. It is mainly a spring fed river. A barrage on this river, known as the Gola Barrage, is located at Kathgodam.

Proposed Jamrani dam is 130.60 m high Roller compacted concrete gravity dam. Catchment area at dam site is 450 sqkm. Reservoir MWL and MDDL are 763.60 m and 717.47 m , having gross storage and live storage are 208.60 MCM and 142.72 MCM respectively. Apart from small benefit of hydropower to the tune of 14 MW, the project would provide irrigation benefit to 1,50,302 ha CCA in **Nainital district in Uttarakhand and Rampur and Bareilly district in Uttar Pradesh**. Installed power potential is 14 MW. As per Hydrology approved by CWC 75% and 50% annual yield at the project site is 283.06 MCM and 393.31MCM respectively. Irrigation water requirement is 416.30 MCM and Drinking water requirement 42.70 MCM, summing up gives total water requirement is 459 MCM. Submergence area is 428.57 ha.in Uttarakhand state.

The Project was earlier approved by the then Planning Commission in May, 1975 for Rs. 61.25 crore. That approval was for Irrigation water requirement 911 MCM and domestic water requirement 14 MCM. The State Govt. submitted a revised/updated DPR costing Rs. 929.23 crore in Feb 2006. To resolve inter-State issues between Govt. of Uttar Pradesh and Govt. of Uttarakhand, first interstate meeting was held on 21.05.2013 under the chairmanship of Chairman, CWC. It was suggested for an MoU between the States for execution of the project. In above context, MoU between Govt. of UP and Govt. of Uttarakhand regarding Jamrani Dam MPP has been signed on 11.10.17 .

According to MoU, sharing of cost between the states has been agreed to be in proportion to water requirement which has agreed as 57% for UP and 43% for Uttarakhand. Accordingly the share of UP shall be 57% of irrigation sector except the cost of distribution system in Uttarakhand. The final cost shall be recalculated after the completion of the project. Updated cost of the project is Rs 2350.56 Cr. (PI. 2015). The final cost shall be recalculated after completion of project.

Comments:

The MoU has been examined in light of earlier comments of IP(N) Dte. Lr no. 423 dated 06.06.2006. The MoU shows that an agreement has been reached between party States Uttar Pradesh and Uttarakhand regarding sharing of cost and sharing of water. Accordingly, the earlier comments have been complied with and there is no further comment to offer w.r.t Inter State aspect. However, Gola river being tributary of river Ramganga which is in turn tributary of river Ganga, therefore the DPR along with MOU may be sent to FM wing of MoWR, RD & GR for examination w.r.t International aspect.

Accordingly DFA is put up please.

Director (ISM-2 Dte.)

C E (M O)
Director (ISM-2)
AD

25/5/18
(R N Singh)
AD (ISM-2 Dte.)

25/5/18

25/5/18

JAMRANI DAM MULTIPURPOSE PROJECT

MEMORANDUM OF UNDERSTANDING
between
Government of Uttar Pradesh
and
Government of Uttarakhand

अलगापित् प्रतिलिपि

20/10
संकेत प्रसाद
अनुभाग अधिकारी,
सिंचन एवं जल प्रसादन अनुभाग-4

MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (MoU) is made at.....on the.....day of..... 2017.

BETWEEN

The Governor of Uttarakhand through Sri ANAND BARDHAN Secretary
/Principal Secretary, Department of Irrigation, Government of Uttarakhand (Hereinafter referred to as "Govt. of UK", which expression shall unless repugnant to the context, be deemed to include his successors in office)

AND

The Governor of Uttar Pradesh through Sri SURESH CHANDRA Secretary/Principal Secretary, Department of Irrigation, Government of Uttar Pradesh (Hereinafter referred to as "Govt. of UP", which expression shall unless repugnant to the context, be deemed to include his successors in office) Party means either party of this MOU Parties means both parties of the MOU)

WHEREAS:

A. Govt. of Uttarakhand in co-operation with Govt. of Uttar Pradesh plans to develop, construct, finance, operate and maintain multipurpose project named JAMRANI DAM MULTIPURPOSE PROJECT located in District. Nainital, in the State of Uttarakhand (Hereinafter referred to as Project).

The development of the project was initiated by the Government of Uttar Pradesh (Go UP) in 1973 and its first stage of the project was completed in year 1981.

The Construction on the Jamrani Project will be started only after obtaining the clearances from all the relevant Ministries/Organizations/Agencies etc..

D. The proposed power potential of the Jamrani project (14MW) shall be utilized by Uttarakhand.

E. 130.60m High Roller compacted concrete gravity dam is proposed on the river Gola having gross storage capacity of 208.60MCM to meet drinking and irrigation water requirement along with 14MW installed power potential.

The salient features of the proposed project are annexed to this MoU.

The updated cost of the project on 2015 price level works out to **Rs. 2350.56 Crore**. The break-up of the cost is as:

	Crore Rs.
A. Cost of Works of Unit-1 st	2085.56
B. Cost of Distribution Works in Uttarakhand	155.63
C. Cost of Power plant, Civil Works	109.37
TOTAL	2350.56 Crore

MoU between Govt. of U.P. and Govt. of Uttarakhand

मुख्य अभियन्ता (शारदा)
मुख्य अभियन्ता
मुख्य अभियन्ता (पूर्वी गंगा)
मुख्य अभियन्ता संगठन

सिंचाई एवं जल संसाधन विभाग
सिंचाई एवं जल संसाधन विभाग
सिंचाई एवं जल संसाधन विभाग

उत्तर प्रदेश, इरौली
उत्तर प्रदेश, इरौली
उत्तर प्रदेश, मुरादाबाद

The cost of the drinking water, irrigation & power sectors suggested by Planning Commission is as under:

	Crore Rs.
(i) Urban development Sector 25% of item (A)	521.39
(ii) Irrigation sector 50% of item (A) plus 100% of item (B)	1198.41
(iii) Power Sector 25% of item (A) plus 100% of item (C)	630.76
TOTAL	2350.56 Crore

The Hydrological and Irrigation Planning Studies finalized by CWC are acceptable to both the states. Sharing of cost between the States shall be in proportion to the water requirements i.e. 57 % of State of Uttar Pradesh, hereinafter referred to as "Uttar Pradesh" and 43 % of State of Uttarakhand referred to as "Uttarakhand". Accordingly, the share of Uttar Pradesh shall be 57 % of Irrigation sector except the cost of Distribution System in Uttarakhand, which is as below:

57 % of [Item (ii)- Item(B)]
 57 % of (1198.41-155.63)
 57 % of 1042.78
594.38 crore.

The final cost of the project shall be recalculated after completion of the project. All actual expenditure and sharing of the cost will remain in the ratio of 57% by Go UP and 43% by Go UK.

In a meeting between the Chief Secretaries of Uttar Pradesh and Uttarakhand, held on 02.02.2015 at New Delhi. Uttar Pradesh gave its consent for construction of Jamrani Dam and it was decided that the:

- The Jamrani Dam project should be declared as National Project.
- The Actual availability of water regarding drinking and irrigation purposes shall be assessed.
- After fulfilling the requirement of drinking water for Haldwani City, remaining water shall be made available to Uttar Pradesh to fulfill its present requirement. Balance water shall be distributed in proportion to irrigation potential of the states.

अधीक्षण अभियन्ता
 राम मण्डल, सिंचाई कार्य
 बरेली

अधीक्षण अभियन्ता
 सिंचाई कार्य मण्डल, मुरादाबाद

मुख्य अभियन्ता
 अजय कुमार
 जल संसाधन संगठन

मुख्य अभियन्ता (पूर्वी गंगा)
 सिंचाई एवं जल संसाधन विभाग
 उत्तर प्रदेश, मुरादाबाद

- d) The cost of land shall be revised as per Right to fair compensation & Transparency in Land Acquisition Rehabilitation and Resettlement Act 2013.
- e) The Cost of the Project, calculated on 2015 price index be revised on current price index.

Consequently, a meeting of officers of both the states was held on 09.02.2015 at Moradabad and Bareilly on 26.02.2015. During the discussions, both the States agreed that the provisions made in DPR were in order. except the drinking water demand, for which the officers of both the states made a consensus for 42.70MCM instead of 52.93 MCM as proposed in DPR based on the guidelines issued by Ministry of Urban Development, New Delhi, May 1999. The priorities of the utilization of the available water was also decided as:-

The drinking water requirement on the actual basis or 42.70MCM whichever is less, shall be the first priority.

The second priority shall be given to the present irrigation demand of two systems of Uttar Pradesh i.e.

- (a) 118 MCM shall be supplied to Rohilkhand Canal Division, Bareilly through Gola Barrage.
- (b) Water required to irrigate Cultural Command Area (CCA) of Rampur district (63% of UP's CCA) shall be supplied through Haripura and Baur reservoirs.
- iii) The water from Jamrani Dam and Gola Barrage shall be supplied to Uttarakhand, as being made available presently, if any shortfall, shall be met as third priority.
- iv) Lastly, after fulfilling the (i),(ii)& (iii) priorities, the balance water shall be distributed proportionately as per project provision i.e. 57% to Uttar Pradesh & 43% to Uttarakhand, based on each monsoon year.

The distribution/regulation of the available water of the Jamrani Dam/Gola Barrage shall be carried out jointly by the Uttar Pradesh and Uttarakhand States.

Meeting of officers of both the states were again held on Dehradun on 3.11.2016 in the office of Engineer-in-Chief, Irrigation Department, Uttarakhand, Dehradun. The following points came up during the discussions:

- i) The officers of U. P. Irrigation Department raised the issue of the water depth which was stated 3.58 m. for Uttarakhand and 0.945 m. for U.P. In this regard it-

MoU between Govt. of U.P. and Govt. of Uttarakhand (वी०के० गढ़ी)

मण्डल, सिंचाई कार्य
बरेली

(क. रमेश कुमार)
अधीक्षक अभियन्ता

मुख्य अभियन्ता (शारदा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, बरेली

अजय कुमार
मुख्य अभियन्ता
जल संसाधन संगठन

मुख्य अभियन्ता (पूर्वी संगठन)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, मुरादाबाद

was decided that a further meeting shall be held in the first week of December 2016. Consequently on 17.12.2016, a meeting was held in the office of Chief Engineer (East Ganga), Moradabad between the officers of the states. In the meeting, the water depth for the States was sorted out as 1.90m and 0.495m for Uttarakhand and Uttar Pradesh respectively.

In the meeting, both the states agreed that there is no need to review the proportionate distribution of water between the two states which is 57percent and 43percent for Uttar Pradesh and Uttarakhand respectively, as finalized by Central Water Commission, New Delhi in October 2013.

- ii) A high power joint committee of officers of both the states be formed, instead of an independent control board, for regulation and distribution of water from the dam.
- iii) Governing laws and interpretation of MoU shall be governed by the laws of India.
- iv) Both the states shall make efforts to declare Jamrani Dam Project a National Project.

Now therefore, this MoU witnesses as follow:-

Article: - 1- COMMENCEMENT AND DURATION

- 1.1 This MoU shall commence and be effective from the date of signing of this MoU by both the parties (commencement date) & upto the termination of this MoU (as per Article 7.7).

Article: - 2- OBLIGATIONS OF Go UK

- 2.1 Go UK shall be responsible for the design, construction, supervision, management and the timely completion of the civil works related to the project.
- 2.2 Go UK shall take insurance cover with respect to its personnel working on the project and equipment and property at the project site.
- 2.3 Go UK shall ensure compliance of local and state laws and other relevant laws including labour laws and regulation by the contractors with respect to project site and its personnel.
- 2.4 To ensure timely payment to the contractors Go UK shall submit quarterly fund requirement for the entire period of construction to Go UP. Go UP shall make

17/12/16
अधीक्षण अभियन्ता
वम मण्डल, सिचाई विभाग
दिल्ली

17/12/16
(के.एस.कुमार)
अधीक्षण अभियन्ता
सिचाई कार्य मण्डल, मुरादाबाद

17/12/16
(अजय कुमार)
मुख्य अभियन्ता (शारदा)
सिचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, गोरखपुर

17/12/16
(भूपेन्द्र शर्मा)
प्रमुख अभियन्ता एवं विभागाध्यक्ष
सिचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, मुरादाबाद

MoU between Govt. of U.P. and Govt. of Uttarakhand

available funds three months in advance as per fund plan to cater to the projected fund requirement for the payment to the contractors.

- 2.5 Go UK shall be responsible for discharging all obligations regarding construction of civil works.
- 2.6 "Go UK" shall construct their own distribution system in its boundary and shall bear its cost.

Article: - 3- OBLIGATIONS OF Go U.P.

- 3.1 In consideration of Go UK discharging its obligation under this MoU "Go UP" shall pay **Rs.594.38 crore** (as per updated Detail Project Report cost on 2015 price index). The cost of project as and when revised shall be paid with immediate effect on demand by "Go UP" proportionately. The final cost of the project shall be recalculated after completion of the project on actual expenditure and the sharing of cost shall be in proportion to percentages as above (57%).

"Go UP" shall construct their own distribution system in its boundary and shall bear its cost.

Article: - 4- DISTRIBUTION/REGULATION OF WATER

- 4.1 The distribution/regulation of the available water of the Jamrani Dam/Gola Barrage shall be carried out jointly by the Uttar Pradesh and Uttarakhand States.

Article: - 5- RESOLUTION OF DISPUTES

- 5.1 The parties agree that every dispute, difference of question which may arise at any time between the parties herein out of or in connection with this MoU or the subject matter thereof, including the validity and interpretation of this MoU (Herein after referred as dispute) shall be settled and resolved in accordance with the procedure laid down herein:-

Parties shall attempt for a period of 60 days after receipt of notice by other party of the existence of dispute to settle such dispute by mutual discussions, in case the dispute can not be resolved by mutual discussions, the dispute shall be referred for adjudication to a Member, designated by Chairman, Central Water Commission, Govt.

MoU between Govt. of U.P. and Govt. of Uttarakhand

25/11/17
(शे.के.के.पटेल)
अधीक्षण अभियन्ता
म मण्डल, सिंचाई कार्य मण्डल, मुरादाबाद
बरेली

(के.एस.गुहा)
अधीक्षण अभियन्ता

(डोगे कर्मा)
मुख्य अभियन्ता (शारदा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, बरेली

Accept
11/11/17

मुख्य अभि., उत्तराखण्ड
सिंचाई विभाग, मुरादाबाद, उत्तर प्रदेश
(वी.के.0 गार्डी)
मुख्य अभियन्ता (पूर्वी गंगा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, मुरादाबाद

of India, and the decision of "Member" shall be binding to both the parties i.e. Uttar Pradesh & Uttarakhand.

Article: - 6- REPRESENTATION AND WARRANTIES

6.1 The parties hereby represent and warrant to each other as follows:

- (a) That is duly established and existing under the laws of jurisdiction and has the requisite legal power and authority to enter into this MoU to perform and comply with its duties and obligations under this MoU.
- (b) That this MoU constitutes legal, valid and binding obligations enforceable against it in accordance with the terms hereof.
- (c) That the execution, delivery and performance of this MoU has been duly authorized by all requisite actions and will not constitute a violation of (i) any statute, judgment, order, decree of regulation of any court, government instrumentalities of arbitral tribunal applicable or relating to itself, its assets or its functions or (ii) any other document or to the best of its knowledge any indenture, contract or agreement (means instructions & information for tenders, general and specific conditions, drawing including bill of quantity and tender prices the formal agreement and all addenda and attachments related to it.) to which it is a party or by which it may be bound.
- (d) That there are no actions, suits or proceedings pending or threatened against it before any court, Government Instrument ability or arbitral tribunal that restrain it from performing its duties and obligations under this MoU, and
- (e) That no representation or warranty made herein contain any untrue statement.

Article: - 7- MISCELLANEOUS PROVISION

7.1 Amendments

The terms of this MoU may only be amended, supplemented, waived or modified by written agreement signed by Go UK and Go UP.

7.2 Waivers

Any failure on the part of any party hereof to exercise, and may delay on the part of the party in exercising any right or remedy hereunder shall not operate or be construed as a waiver thereof. A single or a partial exercise of any right or remedy shall not preclude any other or further exercise thereof or the exercise of any other right or remedy. The rights or remedies to the parties hereunder are cumulative and not exclusive of any right or remedies provided by law.

MoU between Govt. of U.P. and Govt. of Uttarakhand 6(वी0के0 गरी)

अधीक्षण अभियन्ता
म मण्डल, सिंचाई कार्य मण्डल, मुरादाबाद
दिल्ली

अधीक्षण अभियन्ता
सिंचाई कार्य मण्डल, मुरादाबाद

अधीक्षण अभियन्ता (शारदा)
मुख्य अभियन्ता
जल संसाधन विभाग
मुख्य अभियन्ता
जल संसाधन संगठन

मुख्य अभियन्ता (पूवी गंगा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, मुरादाबाद

7.3 Severability

Any law restraining the validity and enforceability of any provision of this MoU shall not affect the validity or enforceability of the remaining provisions hereof and this MoU shall be deemed as not containing the invalid provisions. The remaining provisions of this MoU shall remain in full force and effect, unless the invalid or unenforceable provision comprises an integral part of or otherwise is inseparable from the remaining MoU. In such a case, the parties to this MoU shall attempt to agree on a provision, which is valid and enforceable and similar to the original provision.

7.4 Notices

Any notice approval, consent and/or other notification required or permitted to be given hereunder shall be in English and shall be personally delivered, or transmitted by registered post with postage fully paid, or transmitted by e-mail or facsimile to the address specified below or to such other address as may, from time to time, be given by each party to the other party in writing and in the manner herein before provided, any notice, approval, consent and other notification required or permitted to be given hereunder shall be deemed to have been given on the date of receipt when personally delivered, on the date seven days after having been posted when transmitted by registered airmail or on the date of transmission with confirmed answer back, when transmitted by telex or facsimile.

- (i) Department of Irrigation, Government of Uttarakhand, Yamuna Colony, Dehradun.
- (ii) Department of Irrigation, Government of Uttar Pradesh, Lucknow.

7.5 Assignment

- (a) No party may assign or transfer all or any part of its rights or obligations under this MoU.
- (b) This MoU shall not confer any right of suit or action what so ever on any third party other than the successors of the parties to this MoU.

7.6 Governing Law

This MoU shall be interpreted, construed and governed by the laws of India and high courts of both the States.

7.7 Termination

This MOU can be terminated with the mutual consent of both the States.

11.15.17
(के.के. सेन)
अधीक्षण अभियन्ता
मण्डल, सिचाई
वरेली

11.15.17
(के.एस. गुप्ता)
अधीक्षण अभियन्ता
सिचाई कार्य मण्डल, मुरादाबाद
उत्तर प्रदेश, बरेली

11.15.17
(ओम कर्मा)
मुख्य अभियन्ता (शारदा)
सिचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, बरेली

11.15.17
(अजय कुमार)
मुख्य अभियन्ता
जल संसाधन संगठन

MoU between Govt. of U.P. and Govt. of Uttarakhand

11.15.17
(भूपेन्द्र शर्मा)
प्रमुख अभियन्ता एवं विभागाध्यक्ष

11.15.17
(के.के. सेन)
अधीक्षण अभियन्ता
मण्डल, सिचाई
वरेली

11.15.17
(के.एस. गुप्ता)
अधीक्षण अभियन्ता
सिचाई कार्य मण्डल, मुरादाबाद
उत्तर प्रदेश, बरेली

11.15.17
(ओम कर्मा)
मुख्य अभियन्ता (शारदा)
सिचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, बरेली

11.15.17
(अजय कुमार)
मुख्य अभियन्ता
जल संसाधन संगठन

MoU between Govt. of U.P. and Govt. of Uttarakhand

11.15.17
(भूपेन्द्र शर्मा)
प्रमुख अभियन्ता एवं विभागाध्यक्ष

Article:-8- INTERPRETATION

- This MoU shall be treated as original and primary evidence of the understanding arrived at between the parties.
- This MoU constitutes the whole and is the only 'understanding' as on date hereof between the parties with respect to the subject matter described herein.

IN WITNESS WHEREOF the parties hereto have set and subscribed their respective signatures to this MoU on the date first above mentioned.

For and on behalf of
Governor of Uttarakhand.

For and on behalf of
Governor of Uttar Pradesh.

WITNESSES:-

1. (Sanjay Kumar Singh)
सहायक अभियन्ता
जमरानी बांध निर्माण खण्ड-2
हल्द्वानी (नैनीताल)

2. (SHAH NAWAZ)
सहायक अभियन्ता
जमरानी बांध निर्माण खण्ड-1
हल्द्वानी (नैनीताल)

1. (संयुक्त सचिव)
संयुक्त सचिव
सिंचाई एवं जल संसाधन विभाग
उ० प्र० शासन।

2. (सिंचाई प्रसाद)
अनुपाय अधिकारी,
सिंचाई एवं जल संसाधन अनुभाग-4
उ० प्र० शासन।

(के.एल. उरा)
अधीक्षक अभियन्ता
सिंचाई कार्य मण्डल, मुरादाबाद
पंचम मण्डल सिंचाई कार्य
मुरादाबाद

(अजय कुमार)
मुख्य अभियन्ता (शारदा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, गोरखपुर

(अजय कुमार)
मुख्य अभियन्ता
जल संसाधन संगठन
MoU between Govt. of U.P. and Govt. of Uttarakhand 8

(भूपेन्द्र शर्मा)
सहायक अभियन्ता एवं विभागाध्यक्ष

②

450 km²

14.29 ha.-m/100 sq.m/year

अभियन्ता एवं विद्यापीठ प्रदेश, मुम्बई

अभियन्ता एवं विद्यापीठ प्रदेश, मुम्बई

IV. Reservoir

1- Top Dam Level	765.60 m
2- Max. Water level	763.60 m
3- Full reservoir	762.00 m
4- M.D.D.L	717.47 m
5- River bed level	635.00 m
6- Gross Storage	208.60 MCM
7- Live Storage	142.72 MCM
8- Dead Storage	65.88 MCM
9- Submergence Area	428.57 ha

V. Cost of Project

1- Total cost	2350.56 crore
(i) Unit 1 work	2085.56 crore
(ii) Cost of distribution work	155.63 crore
(iii) Cost of power plant civil work	109.37 crore
2- Sharing of cost	
(A) Among departments	
(i) Irrigation 50% (50% of (i) + 100% of (ii)) =	1198.41 crore
(ii) power 25% (25% of (i) + 100% of (iii)) =	630.76 crore
(iii) Urban 25 % (25 % of (i)) =	521.39 crore
Total	2350.56 crore
(B) Between states	
(i) UP - 57% of irrigation share expect cost of distribution	
= 57% (1198.41 - 155.63)	
= 594.38 crore	
(ii) Rest Uttarakhand =	1756.18 crore

VI. Power generation

1- Firm power	14 MW
2- Load factor	52.94%
3- Annual energy generation	63.4 MU (dependable year)

VII. Power House

1- Location	On right bank
2- Type	Surface
3- No. of size of unit	4 No.
4- Type of Turbine	Vertical Francis Turbine
5- Installed capacity	4x3.5 MW
6- Net designed head	111.20 m
7- Design discharged for one unit	4.87 m ³ /sec
8- Size of power house	55.30 m x 14.00 m x 23.00 m
9- Maximum tail water level	643.00 m
10- Minimum tail water level	632.00 m

25/10/17
(अनन्त बस्नेत)
प्रमुख सचिव, सिंचाई एवं जल संसाधन विभाग
उत्तराखण्ड शासन
इह एवं कारागार, सिंचाई एवं जल संसाधन विभाग
सैनिक कल्याण, खाद्वे
वालव प्रशासन, खनन एवं पुरातत्व विभाग
उत्तराखण्ड शासन

11/10/17
(अनन्त बस्नेत)
अधीक्षण अभियन्ता
चम मण्डल, सिंचाई कार्य

11/10/17
(के.एल. गुहा)
अधीक्षण अभियन्ता

11/10/17
(अनन्त बस्नेत)
मुख्य अभियन्ता (शोरवी)

11/10/17
(अनन्त बस्नेत)
मुख्य अभियन्ता (शोरवी)

24/10/17
(अनन्त बस्नेत)
प्रमुख सचिव,
उत्तराखण्ड शासन
सिंचाई एवं जल संसाधन विभाग

16/10/17
(अनन्त बस्नेत)
मुख्य अभियन्ता (शोरवी)

सिंचाई कार्य मण्डल, मुरादाबाद

MoU between Govt. of U.P. and Govt. of Uttarakhand

मुख्य अभियन्ता (शोरवी) जल संसाधन संगठन
उत्तर प्रदेश, वरेली

मुख्य अभियन्ता (शोरवी)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश

VIII. Kathgodam barrage

1- Length	81.00 m
3- Crest level of other Bays	506.50 m
4- Crest level of sluice Bays	506.50 m
5- Bed level of river downstream	502.00 m
6- Design Discharge	3250 cumec
7- Pond level	510.75 m

IX. Irrigation

1- C.C.A	1,50,027 ha
2- Area being irrigated at present	2,38,317 ha
3- Further area proposed to be irrigated	57,065 ha
4- Total irrigation area	2,95,382 ha
5- Existing average intensity of irrigation	158.85 %
6- Proposed average intensity of irrigation	196.88 %
7- Total requirement of water for irrigation	416.30 MCM

X. Rehabilitation & settlement

a- No. of trees more than 20 cm in dia.	22,464
b- No. of villages affected	6
c- No. of family affected	129
d- No. of population affected	688

XI. Demand for Drinking Water

@ 117 mld for 10.65 lac population projected for the year 2051	42.70 MCM
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XII. Forest Land required

351.55 ha

XIII. Construction period

5 years

सत्यमेव जयते
(संक. सिद्धि-18)
अनुपम सिद्धि
सिद्धि एवं जल संसाधन अनुभाग-4
उ० प्र० शासन।

25/10/17
(अनिल बर्हल)
प्रमुख सचिव
गृह एवं कारागार, सिंचाई, लघु सिंचाई,
संचिका कल्याण, सिंचाई
सचिव, प्रशासन, उत्तर प्रदेश
उत्तराखण्ड शासन
(क. एल. उपा)
अधीक्षक अभियन्ता
सिंचाई कार्य मण्डल, मुन्दावाट
(ये. के. लेगट)
अधीक्षक अभियन्ता
पंचम मण्डल, सिंचाई कार्य
बरेली

11/11/17
(भोज कर्मा)
मुख्य अभियन्ता (शारदा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, बरेली
अजय कुमार
मुख्य अभियन्ता
जल संसाधन संगठन

11/11/17
(वी०के० गर्दा)
मुख्य अभियन्ता (पूर्वी गंगा)
सिंचाई एवं जल संसाधन विभाग
उत्तर प्रदेश, मुन्दावाट

16/10/17
मुख्य अभि०, उत्तर प्रदेश शासन
सिंचाई विभाग, लखनऊ
10 between Govt. of U.P. and Govt. of Uttarakhand
प्रमुख अभियन्ता एवं विभागाध्यक्ष
(भूपेन्द्र शर्मा)
मुख्य अभियन्ता एवं विभागाध्यक्ष

No. 16/27/2019-PA (N)/ 503-611
Government of India
Central Water Commission
Project Appraisal Organization

Telefax: 011-29583512
Email: cepriap@nic.in

7th Floor (S), Sewa Bhawan,
R. K. Puram, New Delhi-66
Dated: 18/02/2019

Minutes of Meeting

A copy of the Summary Record of Discussion of the 141st Meeting of the Advisory Committee of MoWR, RD&GR on Irrigation, Multipurpose and Flood Control Projects, held under the Chairmanship of the Secretary, MoWR, RD&GR on 11/02/2019 at CWC, New Delhi is enclosed herewith for information and further necessary action, please.

Comments, if any, may kindly be forwarded to the undersigned within 15 days.

Encl: As above



(C K L Das)
Member Secretary of the Advisory Committee &
Chief Engineer (PAO)

To,

Members of Committee:

1. Chairman, CWC, Sewa Bhawan, R. K. Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, 1st Floor, North Block, New Delhi.
3. Secretary, Department of Power, Room No. 205, S.S. Bhawan, II Floor, New Delhi.
4. Secretary, Ministry of Environment & Forests & CC, 4th Floor, Prithvi Block, Indira Paryavaran, Jor Bagh, New Delhi.
5. Secretary, Department of Agriculture, Cooperation & Farmers Welfare, R. No. 126, Krishi Bhawan, New Delhi.
6. Secretary, Ministry of Tribal Affairs, Room No. 738, A-Wing, Shastri Bhawan, New Delhi.
7. Director General, ICAR, Room No-108, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R. K. Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, New Delhi.
10. Additional Secretary (Energy), NITI Aayog, Room No. 249, Yojana Bhawan, Sansad Marg, New Delhi.
11. Adviser (WR&LR), NITI Aayog, Room No. 209, Yojana Bhawan, Sansad Marg, New Delhi.
12. Joint Secretary & Financial Adviser, MoWR, RD & GR, Room No-401, S.S. Bhawan, New Delhi.

Special Invitees:

1. Additional Secretary, MoWR, RD&GR.
2. Member (D&R), CWC, New Delhi.
3. Member (RM), CWC, New Delhi.

4. Member (WP&P), CWC, New Delhi.
5. Chairman, GFCC, Patna, Bihar
6. Chief Executive Officer, Polavaram Project Authority (PPA), Hyderabad
7. Joint Secretary (IC&GW), MoWR, RD&GR.
8. Member-Secretary, UYRB, New Delhi.
9. Principal Secretary, Irrigation Department, Govt. of Uttarakhand, Dehradun
10. Principal Secretary, Irrigation and Water Resources Dept, Govt. of Uttar Pradesh, Lucknow.
11. Principal Secretary, WRD, Govt. of Andhra Pradesh
12. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, 2nd Floor, Lok Nayak Bhawan, New Delhi.
13. Commissioner (State Projects), MoWR, RD & GR, Room No-411, S. S. Bhawan, New Delhi.
14. Commissioner (FM), MoWR, RD & GR, CGO Complex, 11th Block, 8th Floor, Lodhi Road, New Delhi.
15. Chief Engineer (PPO), CWC, New Delhi
16. Chief Engineer (IMO), CWC, New Delhi

Copy for kind information to:

17. Sr. PPS to Secretary, MoWR, RD & GR, Room No. 407, Shram Shakti Bhawan, New Delhi.

Government of India
Ministry of Water Resources, River Development and Ganga
Rejuvenation
Central Water Commission

**SUMMARY RECORD OF DISCUSSIONS OF THE 141st MEETING OF THE
ADVISORY COMMITTEE OF MoWR, RD&GR FOR CONSIDERATION OF
TECHNO-ECONOMIC VIABILITY OF MAJOR & MEDIUM IRRIGATION,
FLOOD CONTROL AND MULTIPURPOSE PROJECT PROPOSALS HELD
ON MONDAY, FEBRUARY 11TH, 2019 AT CENTRAL WATER
COMMISSION, NEW DELHI**

The 141st Meeting of the Advisory Committee of Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD&GR) for consideration of the techno-economic viability of Major & Medium Irrigation, Flood Control and Multipurpose Project Proposals was held under the Chairmanship of Shri U.P. Singh, Secretary to the Government of India, MoWR, RD&GR on Monday, 11th February, 2019 at Central Water Commission, Sewa Bhawan, New Delhi. The list of members of the Committee or their representatives/nominees/special invitees and officers from various Ministries/Organizations and representatives of State Government who attended the meeting is at **Annexure**.

I. Confirmation of the Minutes of the 140th meeting of the Advisory Committee

It was informed that the 140th Meeting of Advisory Committee of MoWR, RD&GR for consideration of the techno-economic viability of the Major & Medium Irrigation, Flood Control and Multipurpose Project Proposals was held on 22/01/2019 at MoWR, RD&GR, Shram Shakti Bhawan, New Delhi. The Summary Record of Discussions of the 140th Meeting was circulated vide letter No. 16/27/2018-PA(N)/383-408 dated 30/01/2019. No comments on the same have been received.

The Advisory Committee confirmed the Summary Record of Discussion of the 140th meeting of the Advisory Committee as circulated.

II. Follow up action after the 140th Meeting of the Advisory Committee

A. Revised Cost Estimate (RCE) of the Lakhwar Multipurpose Project, Uttarakhand (National Project, Multipurpose, Estimated Cost Rs. 5747.17 Cr. @ PL July, 2018, BC Ratio 1.016)

During the discussions on the Lakhwar Multi-purpose Project, Uttarakhand in the 140th Meeting, the Advisory Committee noted that *"the cost apportionment amongst power, irrigation and drinking water components needs a relook. The irrigation benefits proposed to be accrued from the project also need a review. The Committee observed that these factors have a bearing on a number of aspects considered during the appraisal."* Therefore, the Project Authority was advised to relook into the same and submit the revised proposal for consideration in the next meeting of the Advisory Committee.

Accordingly, the revised proposal after considering the above views of the Advisory Committee was again put up in the 141st meeting of the Advisory Committee.

A presentation on project was made by the Project Authorities. An introduction to the background of the project was made, wherein it was informed that the original combined Lakhwar-Vyasi Multipurpose Project was approved by Planning Commission in 1976 (for an estimated cost of Rs. 140.97 Cr @ PL 1975). The original Lakhwar-Vyasi Multipurpose Project envisaged the construction of 192m high dam on Yamuna River near Lakhwar village to store 580 MCM of water, a power house (installed capacity 300MW) at foot of the dam, an auxiliary dam (61m high) and a balancing reservoir. The work on the project was initiated by the State Govt. of Uttar Pradesh in 1979. However, the progress of construction of the project works suffered due to the paucity of funds and the construction work was stopped during year 1992.

Further, in July, 2010, the Govt. of Uttarakhand submitted the DPR of Lakhwar Multipurpose Project for techno-economic appraisal in CWC and its 1st revised cost estimate was accepted by the Advisory Committee of MoWR, RD & GR in 116th meeting held on 14.12.2012, for an estimated cost of Rs. 3966.51 Cr @ PL of May, 2012. The Investment clearance to the project was accorded by the Investment Clearance Committee, MoWR, RD & GR in its meeting held on 24.02.2016.

Now, the 2nd revised cost estimate of the project was finalized by CWC as Rs. 5747.17 Cr. @ PL July, 2018. The revision of cost estimate has been necessitated due to price escalation, inadequate provision, change in design etc. However, no change in scope of the project is there.

During discussions the project authorities informed that claim of the State on 12% free power has been done away with and accordingly cost apportionment on power and water components (irrigation and drinking water) works out to be Rs 1074.16 Cr & Rs. 4673.01 Cr respectively. The crop input costs were also revised by adopting 25% enhancement to the earlier input costs of year 2010-11. Further, rates of industrial water supply and drinking water supply have been enhanced as Rs. 62 per KL and Rs. 11 per KL respectively. With the modified benefits, the BC ratio of the project works out to be 1.016, which is acceptable for projects in hilly States.

The Member Secretary of the Committee submitted that as per the Notification of the Planning Commission regarding the Benefit Cost Ratio, it is evident that the BC ratio criterion was not specifically meant for the revised cost estimate proposals. However, the practice of doing so for the RCE proposal is continuing.

After detailed deliberations, the proposal was accepted by the Advisory Committee subject to compliance on following specific conditions by Project Authority:

Specific conditions:

1. Submission of Statutory Clearances (Environment, Forest, Wildlife, Tribal Affairs & R & R etc. especially in light of the Court case in NGT) as applicable, by the Project Authority.
2. Submission of State Finance Concurrence by the Project Authority.

General conditions to be implemented during the project:

1. Correctness of quantities, correctness of supporting documents and fulfilment of conditions of acceptance of DPRs/RCE of specialized Directorates of CWC / CEA by the State Govt. and clearance from other Central/State agencies.
2. Adhering to all the observations/conditions communicated by specialized Directorates of CWC / CEA in respect of hydrology, inter-state aspects, irrigation planning and design aspects.



3. Participatory Irrigation Management (PIM) may be encouraged by the State Govts and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
4. The micro irrigation shall be encouraged in the command as per feasibility.
5. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
6. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law / as per the terms and conditions stipulated by MoEF & CC.
7. Acceptance of project proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.

B. Project Proposals Considered by the Advisory Committee:

A. Irrigation and Multipurpose Projects:

1. **Revised Cost Estimate (RCE) of the Polavaram Irrigation Project, Andhra Pradesh (RCE, National Project, Multipurpose, Estimated Cost Rs. 55548.87 Cr. @ PL 2017-18, BC Ratio 1.63)**

The Secretary, Water Resources Department, Govt. of Andhra Pradesh and Engineer-in-Chief, WRD, GoAP presented the Salient Features and Revised Cost Estimate proposal of the project. The Indira Sagar (Polavaram Project) Project envisages utilization of 12735.97 Million Cum (449.78 TMC) of water by constructing a dam across the Godavari River at a village near Polavaram in West Godavari district of Andhra Pradesh. The project is proposed for feeding annual gross command area of 4.36 lakh ha spread over four districts of Andhra Pradesh namely, East Godavari, Vishakhapatnam, West Godavari & Krishna. The progress in brief of the project was also discussed in the meeting.

The original proposal of this project was earlier considered by the Advisory Committee in its 95th meeting held on 20.01.2009 and was accepted for Rs. 10151.04 Cr at Price Level (PL) 2005-06. Thereafter, the 1st Revised Cost Estimate (RCE) of

this project was considered by the Advisory Committee in its 108th meeting held on 04.01.2011 and was accepted for Rs. 16010.45 Cr at Price Level (PL) 2010-11. The State Govt. has now submitted 2nd Revised Cost Estimate (RCE) at Price Level (PL) 2017-18. The same was appraised in CWC/CEA and the cost has been finalized for Rs. 55,548.87 Crore (Price Level (PL) 2017-18). The revision in the estimated cost has been necessary due to price escalation, inadequate provision, change in design, increase in quantities/amount in land acquisition etc.

Thereafter, detailed discussions on the RCE proposal were held. The Committee was informed that total enhancement in the cost estimate is of Rs. 39,538.42 Cr (i.e. Rs. 55,548.87 – Rs. 16,010.45 Cr) out of which enhancement due to Land Acquisition and Rehabilitation & Resettlement (LA & RR) is Rs. 30,249.79 Cr (i.e. 77% of the total enhancement). Secretary, WRD, GoAP informed that main reasons for such increase are enhanced compensation after enactment of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (RFCT, LA & RR Act, 2013) and inadequate provisions of land in earlier estimate of 2010-11 accepted by Advisory Committee of MoWR, RD & GR in 2011.

In line with MoWR, RD & GR letter No. P.31/2/2008-PR/AP/Polavaram/916-919, dated 24.07.2018 the Revised Cost Estimate of Polavaram Irrigation Project in respect of PL 2013-14 has been finalized by CWC at Rs. 27081.62 Cr (Unit-I i.e. Head Works = Rs. 22,114.42 Cr + Unit-II i.e. RMC, LMC & WSC = Rs. 4,967.20 Cr) and same was also presented before the Advisory Committee.

JS & FA asked about the status of State Finance Concurrence. Secretary, WRD, GoAP informed that the same has been communicated vide letter dated 10.02.2019 for Rs 55,548.87 Cr. As regards completion of the project is concerned the Committee was informed that the project will be completed by June, 2020.

After discussions, the Committee accepted the 2nd RCE of Polavaram Irrigation Project for Rs 55,548.87Cr. @ PL 2017-18 subject to compliance on following specific conditions by Project Authority:

Advisory Committee also noted that the Revised Cost Estimate of Polavaram Irrigation Project for Unit-I i.e. Head Works and Unit-II i.e. RMC, LMC & WSC at



2013-14 PL based on the quantities approved in Advisory Committee Meeting held on 04/01/2011 is Rs. 27081.62 Cr.

Specific Conditions:

1. Statutory clearances e.g. Environment, Forest, Wildlife, Tribal Affairs and R & R etc. especially in the light of the Court Cases as applicable.
2. Submission of State Finance Concurrence by the Project Authority.

General conditions to be implemented during the project:

1. Correctness of quantities, correctness of supporting documents and fulfilment of conditions of acceptance of DPRs/RCE of specialized directorates of CWC / CEA by the State Govt. and clearance from other Central/State agencies.
2. Adhering to all the observations/conditions communicated by specialized Directorates of CWC / CEA in respect of hydrology, inter-state aspects, irrigation planning and design aspects.
3. Participatory Irrigation Management (PIM) may be encouraged by State Govts. and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
4. The micro irrigation shall be encouraged in the command as per feasibility.
5. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
6. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law / as per the terms and conditions stipulated by MoEF & CC.

2. Revised Cost Estimate (RCE) of the Jamrani Dam Multipurpose Project, Uttarakhand (RCE, Major Multipurpose, Estimated Cost Rs. 2584.10 Crore @ PL May, 2018, BC Ratio 1.09)

A presentation on the project was made by the Project Authorities. It was informed that the Jamrani Dam Multipurpose Project, proposed by Govt. of Uttarakhand, envisages construction of Roller Compacted Concrete Gravity Dam near Jamrani village across river Gola, a tributary of river Ram Ganga in district

Nainital, Uttarakhand. Apart from benefit of hydropower to the tune of 14 MW, the project would provide irrigation benefit to 1,50,302 ha CCA in Nainital & Udham Singh Nagar districts in Uttarakhand and Rampur & Bareilly districts in Uttar Pradesh. A Memorandum of Understanding (MoU) has already been signed between the two states of Uttarakhand and Uttar Pradesh for the sharing of cost and benefits of the project.

The Project was earlier approved by the Planning Commission in May, 1975 for Rs.61.25 crore and construction was taken up in the year 1977. The construction of the Barrage at Kathgodam, 40 km length of feeder channels and 80% of distribution system had been completed by 1982 under Phase-I to reap the quick benefits from the project. Further, the 1st Revised Cost Estimate, amounting to Rs. 144.84 Crore (March, 1987 PL), was accepted by the Advisory Committee in the 43rd meeting held in 1989. Now, the 2nd Revised Cost Estimate, amounting to Rs. 2584.10 Crore @ PL May, 2018, with BC ratio 1.09 is put up to the Advisory Committee.

The Chief Engineer, Irrigation Department, Uttarakhand further informed the Committee that Jamrani Dam Multipurpose project is a crucial initiative in view of the drinking water requirements of the area and a provision of 42.70 MCM has been made for drinking water under the project.

After detailed deliberations, the proposal was accepted by the Advisory Committee subject to submission of the following by the Project Authority:

1. State Finance Concurrence for the finalized cost estimate (Rs. 2584.10 cr).
2. Stage-II Forest Clearance.
3. Environmental Clearance.
4. Concurrence of NMCG in respect of e-flow.
5. State Agriculture Department Certificate in respect of rate and yield of agricultural produce.

General conditions to be implemented during the project:

1. Participatory Irrigation Management (PIM) may be encouraged by the State Govts and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
2. The micro irrigation shall be encouraged in the command as per feasibility.

3. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
4. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law/as per the terms and conditions stipulated by MoEF & CC.
5. Acceptance of project proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.

B. Flood Control Projects:

- 1. Revised Project Estimate for Construction of Khajuha Jhunjunia Andharpurwa Marginal Bund on the left bank of river Rapti in district Shrawasti, Uttar Pradesh (RCE, Estimated Cost Rs. 46.3726 Crore @ PL 2016, BC Ratio 2.60:1)**

A presentation on the project was made by the Project Authority. An introduction to the background of the project was made, wherein it was informed that the scheme has been formulated to overcome the damages due to flood water of river Rapti towards the left side of river. The Project Authority informed that during the floods, the water spreads in vast area and reached up to district headquarters. The link road which connects the district headquarters to other district roads get flooded during flood every year resulting in obstruction in communication, transportation, health facilities and other relief measures. The construction of the Marginal Bund has been proposed to overcome this problem.

The Marginal bund originates near village Jhunjhuniya tied up to Bahraich-Bhinga road District Shrawasti and terminates near village Andharpurwa ghat Tehsil Ikauna, District Shrawasti. The total length of the bund is 22.500 km, which would protect 15,412 Ha of agricultural land and a population of 98,350 persons of 85 villages. The current project proposal includes the construction of remaining portion of 16.76 km of total 22.500 km long earthen embankment. It is proposed to fill the remaining gaps (of 16.76 km) & raising of section due to the new HFL and maximum discharge recorded in 2017 in Rapti River. It is also proposed to construct 46 nos. of ramps for convenience of villagers as per the site conditions.



The Chief Engineer, I&WRD, UP emphasised that the project is essentially required to save large area of Shrawasti district from inundation during high floods including areas of Ikauna Tehsil where Stupas of Gautama Buddha era, site of archaeological, historical and tourist importance located.

The Chairman, GFCC informed that he had visited this project along with the officials of I&WRD, UP and the project is required to be completed to save large area and population from floods.

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

2. Revised Project Estimate for Construction of Parsia Dehariya Tilakpur Marginal Bund on the left bank of river Rapti in district Shrawasti, Uttar Pradesh (RCE, Estimated Cost Rs. 37.8631 Crore @ PL 2016, BC Ratio 3.34:1)

The presentation was made by the Project Authority. The Committee was informed that the scheme has been formulated to overcome the damages due to flood water of river Rapti towards the left side of river. The Project Authority informed that during the floods, the water spreads in vast area and reached up to district headquarters. The link road which connects the district headquarters to other district roads get flooded during flood every year resulting in obstruction in communication, transportation, health facilities and other relief measures. The construction of the Marginal Bund has been proposed to overcome this problem.

This marginal bund originates near village-Parsa Dehariya, Tehsil Jamunha in Shrawasti district and terminates near village Tilakpur, Tehsil Bhinga in Shrawasti district. The total length of the bund is 22.4 Km and the project would protect 14,868.76 Ha of agricultural land and a population of 83,900 persons of 50 villages. The current project includes construction of remaining portion of 4.80 km of the 22.4 km long earthen embankment. It is proposed to fill remaining gaps & raising of section due to new HFL recorded in 2017 in Rapti River. It is also proposed to construct 46 nos. of ramps for convenience of villagers as per site conditions and 3



nos. of inlet head regulators. The proposal also includes tie-up of initial point of embankment to higher ground level which is above HFL.

The Committee enquired about the provision of centage taken in the estimate. The Chairman, GFCC informed that the provision of centage has been examined by GFCC and taken in the estimate as per the provisions of Orders of Government of UP in this regard.

Regarding the provision of GST, it was clarified by the CE, I&WRD, UP that the GST in the estimate has been taken as per the provisions of the State Government. Secretary, MoWR, RD&GR enquired about the difficulty in land acquisition during the implementation of the project. CE, I&WRD, UP informed that in current scenario, the land acquisition is not a major issue and farmers are ready to provide land as per prevailing Land Acquisition Act.

The Chairman, GFCC informed that he had visited this project along with the officials of I&WRD, UP and the project is required to be completed to save large area and population from floods.

The issue of the period of execution of the project was also discussed by the Committee wherein it was noted that the project authority has proposed to complete the project in 3 years (2019-20 to 2021-22). At this instance, the Committee noted that since it is a flood protection scheme, all efforts should be made to complete the project within 2 years (by 2020-21).

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

3. Project Proposal for Construction of Basantpur Khajuri Marginal Embankment on the right bank of river Ghaghara in district Barabanki, Uttar Pradesh (Estimated Cost Rs. 68.6159 Crore @ PL 2018, BC Ratio 3.53:1)

A presentation on the project was made by the Project Authority. The Committee was informed that the scheme has been formulated to overcome the flood

congestion that often occurs on right bank of Ghaghara River. It was informed that at high stages of flood, the standing water in villages and agricultural land causes hardship to people in various ways. To overcome the problem, the construction of Basantpur Khajuri Marginal Embankment has been proposed to prevent the inundation during high stage of river Ghaghara. The Marginal embankment will thwart ingress of flood water of Ghaghara River towards villages of Basantpur to Khajuri.

A gap of 11.600 km. in length exists between Alinagar Ranimau Bund and Raunahi Bund, between village Basantpur and village-Khajuri. The Basantpur-Khajuri bund starts from km. 25.500 of existing Alinagar Ranimau Bund and terminates at km 0.500 of the existing Raunahi Bund on the right bank of river Ghaghara. The marginal embankment will provide protection against flood to 5,184 Ha of agricultural land and a population of 15,016 persons of 10 villages.

The current project includes the construction of 11.60 km long marginal embankment, 3 inlet head regulators, slope pitching, launching apron with boulder stones, 6 nos. of turning platforms and 12 nos. of ramps at suitable locations.

Chairman, GFCC informed that the project site has been visited by him along with the officials of I&WRD, UP in June, 2017. Secretary, MoWR, RD&GR enquired about the provision of ramps on embankment. CE, I&WRD, UP informed that the provision of ramps has been made as per Codal provisions. Chairman, GFCC emphasized that the ramps are essential requirement in embankment projects, else villagers cut and damage the embankment for their movement across the embankment. Therefore, ramps are essentially required.

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

The meeting ended with a vote of thanks to the chair.



Annexure

LIST OF OFFICERS PRESENT IN THE 141ST MEETING OF THE ADVISORY COMMITTEE OF MoWR, RD&GR ON IRRIGATION, FLOOD CONTROL AND MULTI-PURPOSE PROJECTS ON MONDAY, 11TH FEBRUARY, 2019 AT 10:30 AM IN THE COMMITTEE ROOM (2ND FLOOR), CWC, SEWA BHAWAN, NEW DELHI:

Shri U.P. Singh, Secretary, MoWR, RD&GR

In Chair

Members of the Advisory Committee or their representatives/nominees

S/Shri/Smt

- | | |
|---|------------------|
| 1. S. Masood Husain, Chairman, Central Water Commission | Member |
| 2. Jagmohan Gupta, JS & FA, MoWR, RD& GR | Member |
| 3. P. C. Jiloha, Chief Engineer, HPA, CEA (Representing Chairman, CEA) | Member |
| 4. Shyla Titus, Director, Ministry of Tribal Affairs
(Representing Secretary, Ministry of Tribal Affairs) | Member |
| 5. R. A. S. Patel, Assistant Commissioner, DAC&FW
(Representing Secretary, Department of Agriculture,
Cooperation& Farmers Welfare) | Member |
| 6. C.K.L. Das, Chief Engineer, PAO, CWC | Member Secretary |

Special Invitees:

MoWR, RD&GR

S/Shri

1. Akhil Kumar, Joint Secretary (A&GW)
2. K. Vohra, Commissioner (SPR)
3. Anup Kumar Srivastava, Senior Joint Commissioner (SPR-I)
4. Rakesh Toteja, Senior Joint Commissioner (FM)
5. A K Shukla, Senior Joint Commissioner (SPR-II)
6. Rahul Varshney, Deputy Director, UYRB

O/o Chief Adviser (Cost)

S/Shri

1. B. Bandyopadhyay, Adviser (Cost)

Central Water Commission

S/Shri

1. N.K. Mathur, Member (D&R)
2. S.K. Haldar, Member (WP&P)
3. R.K. Pachauri, Chief Engineer, PPO

4. Navin Kumar, Chief Engineer, IMO
5. Bhupinder Singh, Director, NP Dte
6. B. C Vishwakarma, Director (IP-S) Dte
7. Rajiv Kumar, Director, PA(C) Dte.
8. G L Bansal, Director, EA Dte.
9. Balram Kumar, Director, Cost Appraisal (Irrigation-1) Dte.
10. B P Pandey, Director, ISM-1 Dte
11. P Devender Rao, Director, CMDD Dte
12. Piyush Ranjan, Director, PA(N) Dte
13. S S Bonal, Director, CMC & CA(I)-2 Dte
14. Ashish Tripathi, Deputy Director, Cost Appraisal (Irrigation-1) Dte.
15. Sanjay Meena, Deputy Director, PA(N) Dte.
16. Mahesh Kumar Gupta, Deputy Director, NP Dte.
17. Nagendra Kumar Singh, Deputy Director, NP Dte.
18. D. S. Prasad, Deputy Director, Cost Appraisal (Irrigation)-2 Dte
19. Pradeep Kumar, Deputy Director, Cost Appraisal (HWF) Dte.
20. M Amanullah, Deputy Director, Cost Appraisal (Irrigation-1) Dte.
21. K. Iyappan, Deputy Director, PA(N) Dte.
22. Siddhant Azad, Assistant Director, NP Dte,
23. Durgendra Singh, AD-II, PA (N) Dte.
24. Sachichidanand Singh, AD-II, NP Dte.

Officers from the Ganga Flood Control Commission (GFCC)

S/ Shri

1. Arun Kumar Sinha, Chairman, GFCC, Patna
2. Joginder Singh, Member, GFCC, Patna
3. Vivek Pal, Director, GFCC, Lucknow

Officers from the State Government of Uttarakhand

S/Shri

1. M C Pandey, Chief Engineer-2, Irrigation Dept, Haldwani
2. S. K. Singh, AE, Irrigation Dept, Haldwani
3. Shah Nawaz, AE, Irrigation Dept, Haldwani
4. R P Joshi, AE, Irrigation Dept, Haldwani
5. N Papnai, AE, Irrigation Dept, Haldwani

Officers from the UJVNL, Uttarakhand

S/Shri

1. Rajeev K Agarwal, ED, Lakhwar Project, UJVNL
2. S.K. Singh, General Manager (C), UJVNL, Lakhwar



Officers from the State Government of Uttar Pradesh

S/Shri

1. R K Gupta, Chief Engineer (Sharda Sahayak), UP Irrigation Dept.
2. V K Niranjana, Chief Engineer (Saryu Project), UP Irrigation Dept.
3. Nayaz Ahmed, Superintendent Engineer
4. Utkarsh Bhardwaj, Executive Engineer, Flood Works Division, UP Irrigation Dept
5. M. K. Verma, Executive Engineer, Flood Works Division, Shravasti
6. P A Siddiqui, AE, Flood Works Division, UP Irrigation Dept
7. Pankaj Kumar, Asst. Engineer-IV
8. P. C. Sharma, Junior Engineer

Officers from the Polavaram Project Authority

S/Shri

1. R K Jain, CEO, Polavaram Project Authority
2. R K Gupta, Member Secretary, Polavaram Project Authority

Officers from the State Government of Andhra Pradesh

S/Shri/Smt

1. Shashi Bhushan Kumar, Secretary, Water Resources Dept
2. M. Venketshwar Rao, Engineer-in-Chief, Water Resources Dept
3. K. Ratna Babu, Chief Engineer, APGENCO
4. M Nagi Reddy, Deputy Chief Engineer, Polavaram Project
5. C.V. Ranganagan, Superintending Engineer (Civil), APGENCO
6. L.V. Swamy Naidu, Superintending Engineer (Hydel), APGENCO
7. C Ganga Reddy, Superintendent, O/o Commissioner, Vijayawada
8. B Sumathi, Superintendent (F), Collectorate, Elluru
9. M. Sunil Kumar, Dy. Tehsildar
10. P Sudhakar Rao, Executive Engineer, Polavaram Project
11. A.S.L.S.N Murthy, Deputy Executive Engineer, Polavaram Project
12. V. Nirmala, Deputy Executive Engineer, O/o ENC, Polavaram Project
13. J.V Satyakumar, Deputy Executive Engineer, O/o ENC, Polavaram Project
14. G.V. Narsimha, Deputy Executive Engineer, Polavaram Project
15. R.S.V.S. Raghu, Asst. Executive Engineer, Polavaram Project
16. D. Mohan Rao, Asst. Executive Engineer, Polavaram Project
17. Y. Ravi Kumar, Asst. Executive Engineer, Polavaram Project
18. G. V. Raghu, Asst. Executive Engineer, Polavaram Project
19. T. Surya Kiran, Asst. Executive Engineer, Polavaram Project
20. A. Surya Anvesh, Asst. Executive Engineer, O/o ENC, Polavaram Project
21. V. N. V. Sekhar Babu, Asst. Executive Engineer, O/o ENC, Polavaram Project
22. A.K.V.D. Narasimha Swamy, Asst. Executive Engineer, O/o ENC, Polavaram Project
23. K. Mohan Krishna Reddy, Asst. Executive Engineer, O/o ENC, Polavaram Project
24. A. V. Bhadra Rao, Asst. Executive Engineer, PIPHW
25. K. Ajay Kumar, Asst. Executive Engineer, PIPHW
26. T. Durjati Kumar, Asst. Engineer, O/o ENC, Polavaram Project





CENTRAL WATER COMMISSION
MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
NEW DELHI

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Preface

India, with its monsoon climate and agriculture dominated livelihood, heavily relies on assured water availability with requisite quality, in order to serve its large population. Water being a state subject, State Governments are primarily responsible to plan, execute and monitor water resources projects in order to meet these requirements as per local conditions.

Central Water Commission (CWC), a premier technical organization in the field of Water Resources in India for the past 72 years, has been involved in appraising the major & medium irrigation, flood control & multipurpose projects. For streamlining the submission, appraisal and acceptance of irrigation & multipurpose project proposals from the States, Guidelines originally issued in 1980, were earlier revised twice, in 1997 and in 2010.

The 2010 guidelines have now been revised considering the fast approaching technology adoption and governance progression since the earlier revision, keeping the core of the guidelines of 2010 intact. A web enabled Project Appraisal Management System (e-PAMS) is being introduced which will bring the complete appraisal process online, thus further promoting the spirit of transparency & accountability. In addition to this, consultative mode of Detailed Project Report (DPR) preparation is being introduced, in which specialized directorates of CWC shall provide their aspect wise technical expertise to the concerned project authority at the DPR preparation stage itself. The present mechanism provides a simplified appraisal process with compressed timelines of the constituent processes involved, which will further cut down possibility of delay in the appraisal process.

The instant revised version of guidelines is based on deliberation/discussions held within CWC in consultation with State Governments, Central Government Agencies and other stake holders. The Guidelines have been finalized after the Committee of Secretaries headed by Cabinet Secretary reviewed these in a meeting held on 04.07.2016. Subsequently these Guidelines have been approved by the Ministry of Water Resources, River Development and Ganga Rejuvenation in January 2017.

The commendable efforts and hard work put in by officers of Project Appraisal Organization (PAO), Irrigation Management Organization (IMO), various specialized directorates of CWC and other concerned central agencies in firming up the guidelines, are deeply acknowledged. **It is hoped that this will serve the intended purpose of guiding & assisting the State Governments,** and enhancing the efficiency of appraisal process of Irrigation & Multipurpose Water Resources projects.



(S. Masood Husain)
Member (WP&P), CWC

GUIDELINES FOR SUBMISSION, APPRAISAL AND ACCEPTANCE OF IRRIGATION AND MULTIPURPOSE PROJECTS, 2017

1. INTRODUCTION

1.1 The Guidelines for Submission, Appraisal and Clearance of Irrigation and Multipurpose Project, 1989 had been prepared by the Project Appraisal Organisation (PAO), Central Water Commission (CWC) on the basis of the recommendations of the National Conference of Irrigation and Water Resources Ministers held in July, 1986 [Annexure-1](#).

1.2 The procedure of project appraisal of Irrigation, Flood Control & Multipurpose Projects for both major and medium projects, which are having inter-State ramification, had been revised to accommodate various subsequent changes in Guidelines of the Planning Commission and first revised Guidelines in this respect were issued in 2002. As per the Guidelines 2002, the concerned State Government in the initial stage submits preliminary report covering surveys and investigations, international / inter-State aspects, hydrology, irrigation planning, brief environmental aspects, intended benefits, etc. which are required to establish soundness of the project proposal. The project proposal is examined and if found acceptable, CWC conveys 'In-Principle' consent to the State Government for preparation of Detailed Project Report (DPR). Thereafter, DPR is prepared with up-to-date cost and simultaneously the Project Authorities process and obtain necessary clearances of the Ministry of Environment & Forests in respect of Environment Impact Assessment and Forest area being diverted. If Scheduled Tribe population is diverted, the clearance of R&R Plans is obtained from the Ministry of Tribal Affairs. The DPR thus prepared is examined in CWC. In States where central design and planning organizations do not exist, the CWC checks the designs also. The CWC finalizes the cost, B.C. ratio, etc. and the State Government obtains concurrence of the State Finance Department for the finalised cost. The project proposal, thereafter, is put up to the Advisory Committee for clearance, which is, by and large, like single window clearance.

1.3 It was further observed in some of the projects that the State Government takes unduly long time in compliance of the observations of CWC and other Central Appraising Agencies. As a result, a number of project proposals remain in the pending list of CWC even for more than the plan period. By the time, the State Government submits the compliance of the observations; the project estimates become irrelevant and are required to be modified. In order to streamline such delay, the Guidelines for Submission, Appraisal and Clearance of Irrigation and Multipurpose projects, 2002 was modified and the Guidelines for Submission, Appraisal and Clearance of Irrigation and Multipurpose projects, 2010 was formulated.

1.4 Subsequently, meeting of the Committee of Secretaries (CoS) was held on 04.07.2016 and further revision of the Guidelines based on the recommendation of the CoS and past experiences had been done which includes revision, addition, alteration in the existing Guidelines. Highlights of modifications which have been incorporated in these Guidelines are at [Annexure - 2](#).

1.5 The present modified "Guidelines for Submission, Appraisal and Acceptance of Irrigation and Multipurpose projects, 2017" are applicable to major, medium irrigation and multi-purpose projects on inter-State rivers or their tributaries.

1.6 The Major sub-projects, submitted as part of agglomeration of number of Major, Medium, Minor sub-projects under common project title, would be appraised as individual Major Projects while the Medium sub-projects would be treated as "equivalent number of Major projects" based on the cumulative sum of the CCA of all the medium sub-projects and accordingly the timelines for appraisal of such projects would be revised suitably. In case of minor sub-projects of such agglomerated project, techno-economic acceptance would be given by State TAC and no separate appraisal would be undertaken in CWC.

2 WEB ENABLED PROJECT APPRAISAL MANAGEMENT SYSTEM (E-PAMS)

2.1 Pre-Feasibility Report (PFR), Detailed Project Report (DPR), Revised Cost Estimates (RCE) and Investment Clearance proposals shall be submitted by the Project Authority to CWC only through web enabled system on CWC website. Hard copies submitted to CWC without on-line submission through e - PAMS will not be accepted and considered for examination till submission on e-PAMS.

2.2 However, as e - PAMS is under development in CWC / NIC, till the time the e-PAMS is implemented, sufficient numbers of hard copies and soft copy of PFR / DPR / RCE may be submitted to CWC along with the entire checklist, as applicable, as per these Guidelines. If PFR/DPR/RCE is submitted without the applicable checklist, the same will not be accepted in CWC for examination.

2.3 Login ID and Password for each Project Authority of State Governments will be communicated through e-mail / SMS for online submission of request through e-PAMS.

2.4 The Procedure for submission, appraisal and acceptance outlined in the modified guidelines shall now be followed by the State Governments and will come into effect from the date of operationalisation of e-PAMS. Till e-PAMS is operational, except online portal, other procedure will come into effect from the date of issue of these Guidelines.

2.5 Tools and techniques are being developed to compute hydrological & other parameters on-line (web based) in CWC to bring uniformity in the DPRs. As and when completed, they will be suitably incorporated in this Guidelines.

3 PRELIMINARY REPORT / PRE-FEASIBILITY REPORT / CONCEPT NOTE

3.1 On the basis of collection of requisite information as well as Surveys and Investigations, the pre-feasibility report shall be prepared to contain brief and to the point chapters on General data, General Planning, Inter-State and International aspects, Surveys & Investigations including Geological investigation, Seismic investigation, Foundation investigation,

Construction material survey, Hydrological and meteorological investigations etc. Hydrology, Drinking water requirements, Irrigation planning, plans for other intended benefits, Environmental and Ecological aspects, etc. required for initial assessment of soundness of the basic planning of the project proposal shall be as per the check-list [Annexure-3](#). Applicable check-list shall also be attached to ensure that all the desired information is contained.

3.2 Soft copy of the Preliminary Report of Major, Medium and Multi-Purpose projects shall be submitted only by e-PAMS system. Further, eight (8) sets of hard copies of Reports in respect of Major projects shall be submitted to the Chief Engineer, Project Appraisal Organisation (PAO), Central Water Commission (CWC), New Delhi. Four (4) sets of hard copies of Reports in respect of Medium Projects shall be submitted to respective Regional Offices of CWC under intimation to the Chief Engineer, PAO, CWC. Eight (8) sets of Preliminary Report or Concept Note in case of Major, Medium and Multi-Purpose projects proposed to be funded under external assistance need to be submitted to Chief Engineer, Projects Preparation Organisation (PPO), CWC, New Delhi. The submission and clarifications/compliance of the observations shall be attended by the concerned Chief Engineer of the State Government.

3.3 The preliminary reports shall be scrutinized in the Office where these are submitted. However, once a report is found acceptable, "In Principle" consent of CWC for DPR preparation shall be communicated from the Office of the Chief Engineer, PAO, CWC or Office of the Chief Engineer, PPO, CWC in case of external assistance projects after examination and clearance by a Screening Committee. Composition of the Screening Committee is given at [Annexure - 4](#). The time schedule for according "In Principle" consent of CWC for preparation of DPR is given at [Annexure-5](#).

3.4 While communicating the said consent, the project authorities will be advised for preparation/submission of DPR in accordance with CWC guidelines. They will also be advised to submit Environment Impact Assessment Report together with R&R Plan, Environment and Disaster Management Plans along with broad cost estimate. An application for forest clearance, if required, may be sent to the Ministry of Environment, Forest & Climate Change (MoEF&CC) with a copy to the Chief Engineer, EMO, CWC. In case Schedule Tribe population is likely to be affected, the R&R Plan will also be submitted to the Ministry of Tribal Affairs (MoTA).

3.5 The project authorities shall ensure that all necessary actions are taken to obtain clearances from the above mentioned Ministries well in time after due appraisal and DPR is submitted along with these clearance, whenever required.

3.6 The submission and clearance of Environment Impact Assessment, R&R Plans etc. and Forest Clearance shall be governed by the prevailing norms and regulations of the related Ministries.

3.7 Copy of PFR of any project proposed in the river basin for which no tribunal award or inter-State agreement exists, will be circulated to the co-basin States by the Project Authority. CWC will send copy of the PFR to Resident Commissioner of the party States in New Delhi.

3.8 After circulation of the project report, the co-basin States have to furnish views/observations on the project proposal / report within 45 days of receipt of the report after which it will be presumed that the State has nothing to say.

3.9 The timeline for completion of examination of Pre - Feasibility Report is eight (8) weeks as per the [Annexure - 5](#).

3.10 If deficiencies on the report as communicated by CWC/Other Central Agency are not attended by the Project Authority within two (2) months, the PFR shall be treated as sent back / returned to Project Authority and the project will be deleted from the list of projects under appraisal.

4 DETAILED PROJECT REPORT

4.1 Detailed Project Report (DPR) preparation by the Project Authority has to be undertaken in a consultative mode with CWC. For this, the Project Authority may make a presentation to the specialised Directorates of CWC. Project Authority needs to furnish a certificate indicating that the DPR has been prepared in a consultative mode with the specialized Directorates of CWC i.e. Hydrology, Irrigation Planning, Inter-State Matters and Project Planning from concerned design unit while uploading the DPR in e-PAMS. The certificate needs to be countersigned by the concerned Directorates dealing with the above matters in CWC. The certificate will however not be treated as acceptance by these Directorates of the DPR. CWC would carry out field inspection on need basis.

4.2 CWC will primarily examine hydrology, inter-State aspects, irrigation planning, and economic viability in the DPR. Examination of these aspects by CWC is crucial from the point of view of holistic and unbiased examination of the project. As regards design and safety aspects, States having Central Design Organisation (CDO) accredited* by CWC need to furnish a certificate in the prescribed proforma indicating that the planning & design / safety aspects have been examined by the CDO under State Water Resources Department incorporating the list of BIS codes followed therein. States which don't have CDO/accredited CDO can take the help of accredited CDO of other States. CWC will necessarily examine design aspects in case of those States which don't furnish certificate from accredited CDO with regard to planning and design / safety aspects.

4.3 Online Project Appraisal Management System (e-PAMS) necessitates submission of certificates by various Central agencies / State agencies / or their Accredited agencies (like GSI, CSMRS, CGWB, State Agriculture Department, Accredited agencies of CSMRS / GSI

etc.) with respect to various aspects such as Geological exploration, rock and soil testing for various engineering parameters, ground water planning, crop yield and market rate, cropping pattern etc., at the time of submitting the DPR so that the appraisal process can be carried out unhindered within a stipulated time frame. The check list as a part of the e-PAMS for facilitating the Project Authorities to upload the DPR as per the prescribed norms is enclosed as [Annexure - 6](#).

*Accreditation of CDOs and other agencies would be carried out by a Committee headed by Member(D&R), CWC after receipt of requisite information from the concerned State Governments and the list of accredited CDOs of various States will be communicated separately.

4.4 Detailed Project Report (DPR) shall be prepared in accordance with applicable Indian Standards and as per the latest "Guidelines for preparation of Detailed Project Reports of Irrigation and Multipurpose Projects" issued by Govt. of India, MoWR, RD & GR (2010), after detailed surveys and investigations. It must be ensured that duly completed check-list, salient features and all relevant details as well as location map, Index map showing command area and canal network, annexures etc. as required by the aforesaid MoWR, RD & GR Guidelines are contained in the report and estimates are comprehensive as well as up-to-date in accordance with the existing Guidelines.

4.5 The clearances obtained in respect of Environment Impact Assessment, Forest, R&R Plans, etc. shall also be appended with DPRs and implied costs shall be duly accounted in the estimate.

4.6 DPR of ERM scheme shall be accepted by CWC for appraisal, only if the original project was accorded investment clearance by the then Planning Commission (now NITI Ayog) / MoWR, RD & GR. However, the ERM of the projects which were completed before 1976 will be accepted by CWC for appraisal.

4.7 Copy of DPR of any project proposed in the river basin for which no tribunal award or inter-State agreement exists, will be circulated to the co-basin States by the Project Authority. CWC will send a copy of the DPR to Resident Commissioner of the party States in New Delhi.

4.8 After circulation of the project report, the co-basin States have to furnish views/observations on the project proposal / report within 45 days of receipt of the report failing which it will be treated that the State has nothing to say.

4.9 In case of Major irrigation and Multi-purpose project, soft copy of the Detailed Project Report shall be submitted only by e-PAMS system and sufficient sets of hard copies of DPR (refer Para 4.15) along with relevant certificates from various accredited agencies and clearances as per check-list [Annexure- 6](#) shall be submitted to the Chief Engineer, PAO, CWC for examination.

4.10 In case of medium projects, soft copy of the Detailed Project Report shall be submitted only by e-PAMS system and sufficient sets of hard copies of DPR (refer Para 4.15) alongwith relevant clearances as per check-list [Annexure-6](#) shall be submitted to Chief Engineer of respective Regional Offices of CWC for examination under intimation to the Chief Engineer, PAO, CWC.

4.11 In case of Major, Medium irrigation & Multipurpose projects proposed to be funded under external assistance, soft copy shall be submitted through e - PAMS and sufficient sets of hard copies of DPR (refer Para 4.15) alongwith relevant clearances as per check-list [Annexure-6](#) shall be submitted to the Chief Engineer, PPO, CWC.

4.12 In case of National Projects, soft copy shall be submitted through e - PAMS and sufficient sets of hard copies of DPR (refer Para 4.15) alongwith relevant clearances as per check-list [Annexure-6](#) shall be submitted to the Chief Engineer, PPO, CWC.

4.13 DPRs, not containing details as per check list will not be accepted by the System.

4.14 In case where Design & Planning Organizations are existing in the concerned State and CWC certifies through accreditation process that it has sufficient competency to design such projects and a certificate is furnished by the accredited CDO in prescribed proforma [Appendix-J of Annexure - 6](#) in respect of their detailed examination/clearance of the project proposal and appraisal/clearance of the State level Project Appraisal/Technical Advisory and Environmental Appraisal committees, examination of the project by CWC will be generally restricted to inter-State aspects, basic planning, hydrology and economic viability.

4.15 The number of hard copies of DPR to be submitted to CWC is as follows:

a.	New Major, Medium Irrigation Project without CDO certificate	12 sets
b.	New Major, Medium Irrigation Project with CDO certificate	8 sets
c.	New Multipurpose Project with out CDO certificate	14 sets
d.	New Multipurpose Project with CDO certificate	10 sets
e.	ERM of Major, Medium Irrigation Project without CDO certificate	8 sets
f.	ERM of Major, Medium Irrigation Project with CDO certificate	7 sets
g.	ERM of Multipurpose Project without CDO certificate	10 sets
h.	ERM of Multipurpose Project with CDO certificate	9 sets

Note:

1. *In addition to above, complete set of DPR consisting of all volumes may be sent by Project Authority to each co-basin States.*

2. *Project Authority may submit additional sets of DPR to CWC on request for examination of special analysis etc., as per the requirement.*

4.16 In case certificates by accredited CDO are not appended with DPRs, design aspects shall also be scrutinized in detail. DPR of Major project proposals shall be examined in concerned Directorates of CWC, Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD&GR) and other Central agencies in respect of items pertaining to their area of specialization/area of concern. During techno-economic appraisal, State Govt.'s compliance to CWC observations will be required to be submitted by an officer not below the rank of Chief Engineer/Equivalent Competent Authority.

4.17 In case of Medium projects, the concerned Monitoring & Appraisal Directorates of Field Units of CWC / Nodal directorates in CWC (HQ) may take assistance of concerned specialised units at CWC (HQ) on a case to case basis.

4.18 All projects in the Ganga-Brahmaputra-Meghna and Indus basins would be examined from international angle in the MoWR, RD&GR. The State Governments which have borders with neighbouring countries should in particular keep this in view while considering any project close to International borders right from the initial stage of investigation and planning. This applies to major as well as medium projects irrespective of the fact that a Central Design and Planning Organization exists in that State or not. Similarly inter-State aspects and implications shall be duly verified in ISM Dte., of CWC even in case of medium projects.

4.19 The final estimate shall be based on finalized designs and details of civil and hydraulic structures and economic analysis will be carried out by the Project Authorities/CWC adopting standard/accepted procedures. The project authorities will also submit concurrence of the State Finance Department for the finalized cost.

4.20 The time line for the appraisal of DPR [Refer Annexure - 7&8](#) is as follows:

- I. For Major, Medium and Multipurpose projects with certificate of accredited CDO - four (4) months
- ii. For Major, Medium and Multipurpose projects without certificate of accredited CDO - six (6) months

4.21 If the deficiencies communicated by CWC/Other Central Agency are not attended and the DPR is not upgraded by the Project Authority, within three(3) months from the date of communication of deficiencies, the DPR / RCE shall be treated as sent back / returned to Project Authority and the project will be deleted from the list of projects under appraisal.

4.22 Once techno-economic viability of a Project Proposal is established, a comprehensive note and check-list, duly finalized by PAO / PPO / Regional office of CWC and approved by Member(WP&P), CWC, shall be circulated among Members of Advisory Committee of MoWR, RD&GR [Composition at Annexure-9](#) for consideration and acceptance of Irrigation, Flood Control and Multipurpose Project Proposals.

4.23 The officers of the State Govt. of the level of Principal Secretary, Engineer-in-Chief alongwith other State Engineers associated with the project formulation/design will be invited to attend the Advisory Committee meeting so as to furnish information/ clarifications, if any, sought by the Members of the Advisory Committee.

4.24 On the basis of the note prepared by CWC and deliberations during the meeting of the Advisory Committee, decision on the acceptance of the projects will be taken in the meeting of this Committee.

4.25 Ordinarily, a project will be accepted by the Advisory Committee only when all the clearances including statutory clearances have been obtained by the Project Authority. However, in case the statutory clearances / concurrences such as Environment, Forest and Wild life clearances from MoEF&CC, clearance of R&R plan of tribal population from MoTA, the State Finance Concurrence (SFC) etc. are pending; the Advisory Committee may accord conditional acceptance to the project.

4.26 In case of projects deferred by the Advisory Committee, the concerned State Govt. needs to submit satisfactory compliances to the observations within a period of three (3) months. If not submitted within three (3) months, the project will be treated as returned back.

4.27 The projects found acceptable by the Advisory Committee shall be submitted by the State Government in prescribed format for Investment Clearance as per MoWR, RD&GR Guidelines issued vide Lr. No.P.15011/3/2015-SPR dated 17.12.2015 with due compliances of the observations made during the meeting of the Advisory Committee.

4.28 If any new project has already been started by the Project Authority before acceptance by the Advisory Committee then the said project will only be processed for inter-state aspect and will not be further considered for acceptance by the Advisory Committee and all such projects will be termed as unapproved projects.

4.29 The State Government shall submit updated DPR of the project incorporating all the improvements done during the course of appraisal of the project and acceptance by the Advisory Committee while submitting Investment Clearance proposal to CWC. The Investment Clearance proposals submitted without updated DPR will be returned forthwith.

5 REVISED COST ESTIMATE

5.1 RCE of a project shall be accepted by CWC for appraisal, only if the original project was accorded investment clearance by the then Planning Commission (now NITI Ayog) / MoWR, RD&GR. In case of externally aided projects, RCE of a project shall be accepted by CWC for appraisal, only if the original project was accepted by Advisory Committee of MoWR, RD & GR.

5.2 In case of major, medium and multipurpose projects which have been accorded investment clearance and where the revised estimates of the project have increased by more than 15% of the original estimates, or where there is change in scope i.e. change in projects parameters resulting in change in nature and benefits such as CCA, Storage, increase in water utilisation, installed capacity, energy generation etc., Revised Project Reports including Estimates will be furnished to CWC for examination as new major/medium schemes and the procedure for scrutiny for such revised project/estimates shall be same as outlined in the preceding chapters. Project-wise statements of excess cost over the sanctioned costs under major sub-heads and reasons thereof shall also be appended with the revised estimates.

5.3 The revised estimate for Major Irrigation and Multipurpose Projects, where there is no change in scope shall be critically examined in the State Standing Committee before submission to CWC. The estimates shall be submitted to CWC incorporating the action taken report on the recommendations of the committee as per direction of the erstwhile Planning Commission (Now NITI Ayog) vide circular No. 16(12)/2003/WR dated 18.05.2004 [Annexure-10](#).

5.4 The revised estimates for medium projects in which there is no change in scope can be approved by the TAC of concerned State Govt. under intimation to CWC and MoWR, RD&GR as per direction of the erstwhile Planning Commission (Now NITI Ayog) issued vide letter No. 16(12)/2003/WR dated 18.05.2004 [Annexure-10](#). In this regard, a State Government will have to first satisfy CWC that there has been no change in the scope of the project and obtain its clearance before approving revised cost. If required, CWC will carry out a site inspection of the project before issue of no objection certificate.

5.5 For Major, and Multipurpose projects, where there is no change in scope and where the costs escalation due to price rise alone has not changed by more than 15%, the concerned State Government need not forward detailed estimates for examination by CWC. The investment clearance of such Revised Cost Estimates would be guided as per para B(1)(iv) of MoWR, RD&GR Guidelines for investment clearance dated 17.12.2015.

5.6 However, based on the Cabinet approval dated 27.07.2016 on 99 prioritised projects [enclosed at Annexure -11](#) under PMKSY - AIBP the following will be applicable:
"No separate clearance/TAC clearance/Investment Clearance in respect of prioritised 99

projects will be required for escalation in cost up to 20% over approved cost as on 01.04.2012. Fast track proforma clearance from CWC shall be sufficient for projects where escalation is more than 20% of approved cost as on 01.04.2012 and no separate investment clearance from MoWR, RD&GR shall be required". The Fast Track proforma clearance would be carried out in accordance to the procedure indicated vide CWC letter no. CH/116/2016-PAC/1405-60 dated 20.10.2016 and subsequent amendments, if any.

5.7 The Fast track Proforma clearance in case of above 99 prioritised projects with more than 20% cost escalation will be carried out by the respective Monitoring & Appraisal Directorates of Field Units of CWC. No separate acceptance from Advisory Committee is required.

5.8 Ordinarily, if certificate of accredited CDO is submitted by the State Governments in the appropriate format, CWC would not check the design aspects and the responsibility for design planning and safety aspects will rest with the concerned State Governments. However, in the Revised Cost Estimate of the project, if it is found that cost escalation due to design changes is more than 50% of the previously approved cost, then the design aspects of the project would be reviewed by a Committee of design experts including the representative from the Project Authority and State CDO.

5.9 When revised estimates are prepared during construction, the quantities of items completed should be indicated separately and the cost thereof assessed on the basis of actual expenditure. Any liability arising out of the contract for the completed work and affecting the cost should also be considered in the estimate.

5.10 For works in progress, the estimates should be based on contract rates. If the contract document contains any clause for escalation on the prices of materials and labour wages subsequent to the award of contract, the amount involved should be assessed and included in the estimate.

5.11 For works, not covered in any contract, prevailing local rates may be taken for items covered in the Schedule of Rates and for remaining items rates may be adopted on the basis of analysis of rates, prepared in accordance with the guidelines issued by CWC.

5.12 In case of any doubt on the viability of rate of any item, a certificate from the State/ Project Chief Engineer, duly justifying reasonability of the rate, shall generally be taken as final and acceptable.

5.13 RCE of Major, Medium and Multipurpose projects with change in scope will be treated as New Project as per the para 5.2 and all the paras from 4.1 to 4.27 & 4.29 of these Guidelines will also be applicable.

5.14 Submission of soft copy of RCE through e - PAMS and hard copies shall be as per the paras 4.9 to 4.12. Five (5) sets of RCE are sufficient for Major Irrigation and Multi-purpose projects without change in scope.

5.15 The time line for completion of appraisal of RCE of Major and Multipurpose projects without change in scope is three (3) months [Annexure - 12](#).

5.16 Other appraisal procedures such as response time for compliance by the concerned State Government and acceptance by Advisory Committee of MoWR, RD&GR shall be same for the RCE without change in scope as per paras- 4.19, 4.21 to 4.27 and 4.29.

5.17 The State Government shall submit updated DPR/RCE of the project incorporating all the improvements done during the course of appraisal of the project and acceptance by the Advisory Committee while submitting Investment Clearance proposal to CWC. The Investment Clearance proposals submitted without updated DPR/RCE will be returned forthwith.

6 CLUSTER OF MINOR SURFACE IRRIGATION PROJECTS

6.1 Cluster of minor projects would be defined as those minor projects which are utilizing water from the same river/tributary/sub-tributary/watershed.

6.2 In all such cases where the planned utilisation / diversion from cluster of minor projects on the inter-State river/tributary/sub-tributary/watershed exceeds 10 MCM, Inter-State clearance needs to be mandatorily obtained by the State Govt. from CWC.

Annexure-1**EXTRACT OF "SUMMARY RECORD OF NATIONAL CONFERENCE OF IRRIGATION AND WATER RESOURCES MINISTERS OF STATE AND UNION TERRITORIES HELD IN NEW DELHI, JULY 86"****2.2 Project Clearance**

The Conference felt that improvement in project preparation at the State level would be an essential step to reduce the time taken for the techno-economic examination of projects at the Centre. For speedy clearance it recommended the following steps:

- I) The projects should not be sent to the Centre for techno-economic examination unless these have been thoroughly and comprehensively prepared on an integrated basis by a multi-disciplinary Cell in conformity with the guidelines laid down for the purpose.
- ii) The State Government should indicate their priorities for examination of projects in CWC at the time of Annual Plan discussions.
- iii) Medium irrigation projects should be examined in the State's Design Organizations wherever existing and only thereafter these may be sent to the Central Water Commission for information with regard to water accounting. Where State design Organizations do not exist the present procedure will continue. Inter-State aspects of medium projects are, however, required to be cleared by the Centre.
- iv) In case there is a Central Design Organization in the State Irrigation Department and the major projects are examined in such Organization before these are sent to the CWC, the examination of such projects in the Central Water Commission may be restricted to the scrutiny of Inter-State aspects, hydrology, water accounting and economic viability. In case, there is no Central Design Organization in the State irrigation Department, the major project reports will continue to be examined in the Central Water Commission as per existing procedure.
- v) Central agencies in turn should review the procedures for techno-economic and other scrutinies in consultation with the State and Union Territories and try to ensure that examination by diverse agencies run parallel and not in sequence and are completed within prescribed time-limits.

Annexure-2

HIGHLIGHTS OF MODIFICATIONS INCORPORATED IN THESE GUIDELINES

- Detailed Project Report (DPR) submission and appraisal process are to be done only through web-enabled e-PAMS system. Hence deficiencies in DPR/acceptances will be issued by CWC and upgrading of DPR will be submitted by Project Authorities only through online mode which reduces postal and other communication delay. DPRs not containing details as per check list will not be accepted by the system.
- DPR preparation by the Project Authority has to be undertaken in a consultative mode with CWC which reduces deficiencies in the DPR before its submission to CWC. For this, the Project Authority will make a presentation to the specialised Directorates of CWC and other central agencies.
- Project Authority needs to furnish a certificate indicating that the DPR has been prepared in a consultative mode with the specialized Directorates of CWC i.e. Hydrology, Irrigation Planning, Inter-State Matters and Project Planning from concerned design unit while uploading the DPR in e-PAMS. The certificate will however not be treated as acceptance by these Directorates of the DPR.
- Online Project Appraisal Management System (e-PAMS) necessitates submission of certificates by various Central agencies / State agencies / or their Accredited agencies (like GSI, CSMRS, CGWB, State Agriculture Department, etc.,) at the time of submitting the DPR w.r.t
 - Geological exploration,
 - Rock and Soil testing for various Engineering parameters,
 - Ground water planning,
 - Crop yield and market rate,
 - Cropping pattern etc.,
- There would be no need to send DPR by CWC to Central Ground Water Board, Ministry of Agriculture and Farmers Welfare and CSMRS for examination, as the Project Authorities will get these aspects examined from the above respective agencies before submitting the DPR to CWC leading to fast track examination of the DPR.
- The time line for completion of examination / appraisal process has been curtailed to as follows:
 - Pre-Feasibility Report - 8 weeks
 - DPR with CDO certificate - 4 months
 - DPR without CDO certificate - 6 months

➤ Revised Cost Estimate without change in scope - 3 months

- In case the statutory clearances / concurrences such as Environment, Forest clearances from MoEF&CC, clearance of R&R plan of tribal population from MoTA, the State Finance Concurrence (SFC) etc., are pending, the Advisory Committee may accord conditional acceptance to the project.
- If the deficiencies communicated by CWC/Other Central Agency are not attended and the PFR / DPR / RCE is not upgraded by the Project Authority within the following periods from the date of communication of deficiencies, the PFR/ DPR / RCE shall be treated as sent back / returned to Project Authority and the project will be deleted from the list of projects under appraisal:

	As per Existing Guidelines	As per Revised Guidelines
Sending back of PFRs	No provision for send back.	02 months if compliances are pending from State Government.
Sending back of DPRs and RCEs	One year if compliances are pending from State Government	03 months if compliances are pending from State Government.

- If any new project has already been started by the Project Authority before acceptance by the Advisory Committee then the said project will only be processed for inter-state aspect and will not be further considered for acceptance by the Advisory Committee and all such projects will be termed as unapproved projects.
- Cluster of minor projects would be defined as those minor projects which are utilizing water from the same river/tributary/sub-tributary/water shed. In all such cases where the planned utilisation / diversion from cluster of minor projects on the inter-State river/tributary/sub-tributary/water shed exceeds 10 MCM, Inter-State clearance needs to be mandatorily obtained by the State Govt. from CWC

Annexure-3

CHECK LIST FOR PRE-FEASIBILITY REPORT/PRELIMINARY REPORT/CONCEPT NOTE

Does the Preliminary Report contain the chapters on:

i) General Data:

This chapter would include the location, category and other physical features of the project.

ii) General Planning:

This chapter would include the discussion on the master plan for overall development of river basin and stages of basin development, alternative proposals of the project with their merits and demerits, priority of the project in the overall development of the basin, the effect of the scheme on the riparian rights existing upstream and downstream of the project, etc.

iii) Inter-state and International Aspects:

This chapter would include the Inter-state and International issues identified and present status of agreement indicated especially in respect of sharing of water, sharing of costs, sharing of benefits, acceptance of the submergence by the upstream state(s), compensation of land coming under submergence, settlement of oustees and any other issue if so. If there is no agreement between the states exists, the present position against the aforementioned items may be stated.

iv) Survey & Investigations:

This chapter would include detailed topographical surveys in respect of river, reservoir, head works (dams, dykes, barrages, weirs and other auxiliary component), plant site and colonies, canals, branch canals and water conductor systems, major canal structure, power house, tunnels, adits, penstocks, command area for OFD and drainage works, soil conservation, etc. Apart from the above, the geological investigation, seismic investigation, foundation investigation and construction material survey for the project should also be discussed.

v) Hydrology:

This chapter would include an index map and bar chart showing locations of various hydrometric, climatic and rainfall stations and the data availability at those stations. A brief note about quality, consistency, processing and gap filling of the data should be furnished. Apart from the above, the availability of water for the benefits envisaged, design flood for the various structures, sedimentation studies, simulation studies, flood routing studies, backwater studies, etc, should also be carried out and discussed.

vi) Irrigation Planning:

This chapter would include all aspects of irrigation planning including source wise (such as ground water, surface water, water bodies) already existing irrigation facilities in the proposed command.

vii) Planning for other intended benefits:

This chapter would include a brief details of other benefits like flood control and drainage, power, drinking water requirements, etc.

viii) Environmental and Ecological Aspects:

Annexure- 4

COMPOSITION OF SCREENING COMMITTEE

The Screening Committee shall consist of the following:

- | | | | |
|---|---|---|------------------|
| 1 | Chief Engineer (PAO), Central Water Commission
<i>(Chief Engineer(PPO), CWC in case of external assistance projects)</i> | - | Chairman |
| 2 | Director, Concerned Project Appraisal Directorate, CWC
<i>(Director, External Assistance Directorate, CWC in case of external assistance projects)</i> | - | Member |
| 3 | Director, Concerned Monitoring & Appraisal Directorate from field unit of CWC <i>(for Medium projects)</i> | - | Member |
| 4 | Director, Concerned Hydrology Directorate, CWC | - | Member |
| 5 | Director, Concerned Irrigation Planning Directorate, CWC | - | Member |
| 6 | Director, Concerned Inter-State Matters Directorate, CWC | - | Member |
| 7 | Director, Concerned Directorate of CEA
<i>(for Multipurpose projects)</i> | - | Member |
| 8 | Director, Project Appraisal (North) Directorate, CWC
<i>(Director, External Assistance Directorate, CWC in case of external assistance projects)</i> | - | Member-Secretary |

Annexure-5

**FLOW CHART FOR EXAMINATION OF PRELIMINARY REPORTS ON
MAJOR, MEDIUM IRRIGATION AND MULTI-PURPOSE PROJECTS
TOTAL DURATION: 8 WEEKS**

Preliminary Examination in the Nodal Appraisal Directorate in Head Quarter / Field office of CWC and Circulation to specialized Directorates of CWC, as applicable.

(1 Week)

Presentation by the Project Authority within one week of submission of PFR to various specialized Directorates of CWC /other central agencies, if required, for better understanding of the project proposal.

Examination in the various specialized Directorates of CWC and transmission of first set of comments on the deficiencies of the report to State

(2 Weeks)

Submission of State's replies to the Comments on the deficiencies of the report raised by the Appraisal Directorates of CWC/ other central agencies including further studies and investigation etc.

(2 Weeks)

Examination of state's replies and discussion with the project engineers for finalization in the CWC

(2 Weeks)

(If required)

Preparation of Note by the Appraisal Directorates for the Screening Committee of CWC for conveying In-Principle Consent for preparation of DPR or otherwise.

(1 Week)

Annexure - 6

Check list for DPR submission

- a. In case the DPR of a project is directly submitted without Preliminary Report/Concept Note, Project Authority needs to furnish a certificate indicating that the DPR has been prepared in a consultative mode with the specialized directorates of CWC i.e. Hydrology, Irrigation Planning, Inter-State Matters and Project Planning from concerned design unit. The certificate needs to be counter signed by the concerned team dealing above matters in the appraising agency. The Certificate format is given at [Appendix - A](#). The team will also undertake field visit as and when required.
- b. A certificate from Geological Survey of India (GSI) or any agency accredited by GSI, indicating that complete Geological exploration for the project required for the DPR stage has been carried out. The Certificate format and the list of agencies accredited by GSI are given at [Appendix - B](#).
- c. A Certificate from Central Soil and Materials Research Station (CSMRS) / or an agency accredited by CSMRS needs to be furnished stating that the required rock/soil mechanic tests have been carried out from the rock/soil samples collected through Geological exploration. The certificate format and the list of agencies accredited by CSMRS are given at [Appendix - C](#).
- d. Certificate from CSMRS / or an agency accredited by CSMRS towards quarry area and suitability of available construction material both qualitatively and quantitatively within economical reach has been assessed for the project parameters at DPR stage. The certificate format is given at [Appendix - D](#).
- e. Certificate from Central Ground Water Board that the command area will not be affected by water logging due to the irrigation project and there will not be further ground water depletion. The certificate format is given at [Appendix - E](#).
- f. A certificate from State Agriculture Department signed by Director, Agriculture as per the format enclosed as [Appendix - F](#).
- g. A certificate from National Committee on Seismic Design Parameters (NCSDP) shall be submitted for the site specific seismic design parameters in accordance to the Guidelines for preparation and submission of site specific seismic study report of river valley project. The Certificate format and the proforma to be furnished as a check-list in the beginning of the study report is enclosed as [Appendix - G](#).
- h. A Certificate signed by concerned Principal Secretary of State Govt. indicating status of

Action taken for Statutory clearances such as Environment Clearance, Forest Clearance from MoEF&CC and clearance in respect of R&R of Tribal population from MoTA. The Certificate format is given at [Appendix - H](#).

- i. A Certificate signed by concerned Principal Secretary of State Govt. indicating that the project is going to be constructed through contract and special team has been planned for timely construction of project as per the MoWR, RD&GR "Guidelines for preparation of Detailed Project Reports of Irrigation and Multipurpose Projects, 2010". The Certificate format is given at [Appendix - I](#).
- j. The CDO certificate as contained in "Guidelines for Submission, Appraisal and Clearance of Irrigation and Multipurpose Projects, 2010" ([Appendix - J](#)), duly signed by Chief Engineer, Central Design Organisation and counter signed by Principal Secretary may be submitted. The CDO Certificate should include the list of BIS codes which has been followed establishing safety of structure and optimization of various components including Design Flood Studies as per PMF/SPF/Diversion Flood.
- k. Concerned Principal Secretary of State Govt. needs to certify that the project involves _____ Km of Main Canal for which 100% survey has been carried out. For Distributaries & Minors, in the command there are _____ types of soil group and for each soil group _____ % of survey has been carried out. The Certificate format is given at [Appendix - K](#).
- l. Concerned Principal Secretary of State Govt. needs to certify that Proper Cadastral survey has been carried out for all the property coming under submergence, for reservoir and canal network. The Certificate format is given at [Appendix - L](#).
- m. Concerned Principal Secretary of State Govt. needs to send copy of DPR to the Principal Secretaries of all other co-basin States for their views. Copy of the letter vide which DPR was sent and Receipt for the same by the co-basin States needs to be submitted. Views of the co-basin States if received may also be submitted. The Certificate format is given at [Appendix - M](#).

Appendix - A**Certificate on Preparation of DPR**

This is to certify that Detailed Project Report (DPR) of _____ Project, (Name of State) has been prepared in a consultative mode with the specialized directorates of CWC i.e. Hydrology, Irrigation Planning, Inter-State Matters and Project Planning from concerned unit under Design & Research Wing.

(signature with seal)
Chief Engineer,
_____ Project,
Irrigation/Water Resources Department,
Govt. of-----

Counter signed by

Hydrology
(Signature, Name with seal)

Irrigation Planning
(Signature, Name with seal)

Inter-State Matters
(Signature, Name with seal)

Project Planning
(Signature, Name with seal)

Appendix - B

Certificate on Geological exploration

This is to certify that complete Geological exploration for the _____ project, located in the State of _____ (Name of State) required for the DPR stage has been carried out by Geological Survey of India / _____ (Name of agency accredited* by GSI) during the period _____ in the area of _____ (Name of Tehsil), _____ (Name of District). Copy of the report is attached.

Authorised signatory of GSI/Agency accredited by GSI with seal

**The list of agencies accredited by GSI will be communicated separately.*

Appendix – C**Certificate on Rock/Soil mechanic tests**

This is to certify that the required rock/soil mechanic tests have been carried out from the rock/soil samples collected through Geological exploration for the proposed _____ project located in the State of _____ (Name of State) during the period _____ in the area of _____ (Name of Tehsil), _____ (Name of District). Copy of the report is attached.

(signature with seal)
Director,
Central Soil and Material Research Station,
Hauz Khas,
New Delhi

(or)
Authorised signatory of agency accredited by CSMRS with seal

**The list of agencies accredited by CSMRS will be communicated separately.*

Appendix - D**Certificate on suitability of available construction material**

This is to certify that quarry area and suitability of available construction material both qualitatively and quantitatively within economical reach has been assessed for the project parameters at DPR stage for the proposed _____ project located in the State of _____ (Name of State) during the period _____ in the area of _____ (Name of Tehsil), _____ (Name of District). Copy of the report is attached.

(signature with seal)

Director,
Central Soil and Material Research Station,
Hauz Khas,
New Delhi

(or)

Authorised signatory of agency accredited by CSMRS with seal

Appendix - E**Certificate on Ground Water Aspect**

This is to certify that the command area of _____ project located in the State of _____ (Name of State) covering _____ (Name of Tehsils) Tehsils, of _____ (Name of District) District, _____ (Name of Tehsils) Tehsils, of _____ (Name of District) District..... will not be affected by water logging and there will not be further ground water depletion.

Conjunctive use of Ground Water with Surface water is also proposed in the command area as detailed below:

(signature with seal)
Member(SML),
Central Ground Water Board,
West Block-2,
R.K.Puram,
New Delhi

EXISTING CROP PATTERN AND PRODUCTIVITY PRE-PROJECT / PRE-ERM

NAME OF PROJECT:

(All rates in Rs. Amount in Rs. Lakh and Area in Ha.)														
Sr. No.	Crop	Area	Yield (Qtl/ Ha)	Total yield (Qtl)	Price per Qtl. (Rs.)	Gross Income (in Rs. Lakh)	Breakup of Expenditure					Net Income (in Lakhs)		
							Seed		Fertilizers, Chemicals Manure etc.		Hired labour (Human, Animal & Machinery & Misc)		Total Expenditure	
							Rate/ Ha (Rs.)	Amt.	Rate/ Ha (Rs.)	Amt.	Rate/ Ha (Rs)			Amt.
Kharif														
1														
2														
3														
4														
	Total													
Rabi														
1														
2														
3														
4														
	Total													
Other Crops														
1														
2														
3														
4														
	Total													
	GRAND TOTAL													

DIRECTOR
STATE AGRICULTURE DEPARTMENT

PROPOSED CROP PATTERN AND PRODUCTIVITY POST-PROJECT / POST - ERM**NAME OF PROJECT:****(All rates in Rs. Amount in Rs. Lakh and Area in Ha.)**

Sr. No.	Crop	Area	Yield (Qtl/Ha)	Total yield (Qtl)	Price per Qtl. (Rs.)	Gross Income (in Rs. Lakh)	Breakup of Expenditure						Net Income (in Lakhs)	
							Seed		Fertilizers, Chemicals, Manure etc.		Hired labour (Human, Animal & Machinery & Misc)			Total Expenditure
Rate/ Ha (Rs.)	Amt.	Rate/ Ha (Rs.)	Amt.	Rate/ Ha (Rs.)	Amt.									

Kharif													
1													
2													
3													
4													
Total													
Rabi													
1													
2													
3													
4													
Total													
Other Crops													
1													
2													
3													
4													
Total													
GRAND TOTAL													

DIRECTOR
STATE AGRICULTURE DEPARTMENT

Appendix –G(1)**Certificate on submission of site specific seismic design parameters**

This is to certify that site specific seismic design parameters in accordance with the Guidelines for preparation and submission of site specific seismic study report of river valley project has been submitted by Project Authority for the _____ project located in the State of _____ (Name of State) on _____ (Date). Study report of the river valley project has been submitted as per **Appendix – G (2)**.

(signature with seal)
Chief Engineer,
_____ Project,
Irrigation Water Resources Department,
Govt. of _____

Counter signed by

Director,
FE&SA Directorate & Member Secretary, NCSDP,
Central Water Commission,
New Delhi

Appendix – G(2)

PROFORMA FOR SUBMISSION OF STUDY REPORT TO NCSDP

The study report should be compiled in a single dossier as per *proforma* given below.
The *proforma*, duly filled and signed, should be furnished as a check-list in the beginning of the study report.

Sl. No.	Description	Compliance(Yes/ No) w.r.t. Guidelines & reasons For Non-compliance
1	Project Details	
(a)	Name of the Project	
(b)	Name of the River over which the project is proposed	
(c)	Location of the Project: <i>State, District, Longitude & Latitude and Topo-sheet no. of each of the Project component (e.g. Dam/Barrage /Power House etc.)for which design seismic coefficient is required. Information to be given in tabular format.</i>	
(d)	Type of Project: <i>Multipurpose or irrigation Storage (area/volume of reservoir) or Run of the River Scheme or Hydro Power Project(Surface/subsurface, installed Capacity, number of units etc.</i>	
(e)	<i>Details of the other projects in the vicinity (within 100 km): (Refer Annexure-E) Name of project, type of hydraulic structures, and seismic parameters (expected PGA for MCE) for projects constructed/ under construction.</i>	
(f)	Present Status of Investigation: <i>DPR submitted/approved; Salient comments/observations on DPR for ground exploration, relevant to Seismic design; status on environment clearance; preconstruction/ construction stage etc.</i>	
(g)	Nature of foundation Material: <i>Nature of foundation material (including geotechnical properties of rock / soil etc. below different segments of dam and other project components.</i>	
(h)	Name and address of the Project Authority and Consultants/Advisors: <i>Complete postal address with telephone /fax/e-mail of the Project Authority and Consultants / Advisor engaged by the project Authority for various types of inputs [geological, geotechnical, seismo-tectonics, seismic design etc] shall be given.</i>	
2	Regional Geological and Seismo - Tectonic Evaluation (Refer Section 3.0 of the guidelines for details)	

(a)	Tectonic Map:	
(b)	Seismo – tectonic section:	
(c)	Interpretation of regional tectonic mechanism and other details:	
(d)	Earthquake catalogue:	
(e)	Micro earthquake investigation:	
3	Local Geologic Setting <i>(Refer Section 3.0 of the guidelines for details)</i>	
(a)	Geological map:	
(b)	Surface & subsurface configuration of major faults:	
(c)	Additional inputs on subsurface configuration of major faults:	
4	Evaluation of site specific seismic parameters	
(a)	Methodology of the study: <i>The adopted study methodology, confirming to item 4 of the guidelines, should be briefly described. Any deviation from the recommended approach should be pointed out with adequate justification.</i>	
(b)	Evaluated site specific seismic parameters: <i>The study should furnish the identified MCE (deterministic); recommended response vertical seismic coefficients along with computed natural period of the dam; estimated duration of shaking; and acceleration time histories for both horizontal and vertical motions.</i>	
5	Recommendations on design approach <i>(Refer Section 5.0 of the guidelines for details)</i>	
6	Submission of study report for NCSDP approval <i>(Refer Section 6.0 of the guidelines for details)</i>	

Date:

Signature & Seal
of authorized representative
of Project Authority

Appendix –H**Certificate on status of action taken for Statutory Clearances**

This is to certify that necessary actions have been taken for obtaining Statutory clearances for the _____ project located in the State of _____ (Name of State) and status of the action taken is as follows:

a. Environment Clearance from MoEF&CC :

- i. EIA
- ii. EMP
- iii. Others

b. Forest Clearance from MoEF&CC :**c. Clearance in respect of R&R of Tribal population from MoTA:**

Signed by

(Signature, Name with seal)

Principal Secretary, Water Resources Department,

Govt. of _____

Appendix –I

Certificate on mode of construction

This is to certify that the _____ project located in the State of _____ (Name of State) is going to be constructed through contract / Department and special team has been planned for timely construction of project as per the MoWR, RD&GR “Guidelines for preparation of Detailed Project Reports of Irrigation and Multipurpose projects, 2010”. The constitution of the special team is as follows:

Sl. No.	Designation of officers of the team

Signed by

(Signature, Name with seal)
Principal Secretary, Water Resources Department,
Govt. of _____

Appendix – J**Sample Letter of Clearance of Major / Medium Irrigation / Multipurpose Projects by the CDO of the State Govt.**

To
The Chief Engineer,
Project Appraisal Organization,
Central Water Commission
Sewa Bhavan, R.K. Puram,
New Delhi – 110066

Subject: Clearance----- Major/ Medium Irrigation/ Multipurpose Project.

The above project has been examined in the Central Design Organization with reference to the Checklist as per the latest guidelines for preparation of DPR of Ministry of Water Resources, RD & GR (2010) and it is found that:

- I) All necessary surveys and investigations for planning of the project and establishing its techno-economic feasibility have been carried out as per the aforementioned guidelines.
- (ii) 10%/5000 ha. of the command area of the project (whichever is minimum) has been investigated in full details in three patches representing terrain conditions in the command for estimation of the conveyance system upto the last farm gates.
- (iii) 100% of Main Canal and 10% of the remaining Canal structures (Branch canals, Distributaries, Minors etc.) have been investigated in full detail.
- (iv) Detailed Hydrological, geological construction material investigations have been carried out for all major structures i.e. dams, weirs, main canal, branch canal up-to distributaries carrying a discharge of 10 cumecs.
- (v) Soil survey of the command has been carried out in detail as per IS 5510-1969.

- (vi) Necessary designs for the various components of the project has been done in accordance with the guidelines and relevant Indian Standards for Planning & Design/Safety aspects including design flood estimation etc., of the project which are enclosed. (List of Codes is enclosed).
- (vii) Necessary studies for utilization of ground water have been done with special regard to problem of water logging and suitable provisions have been made for conjunctive use of ground water & drainage arrangements.
- (viii) The cropping pattern has been adopted in consultation with the State Agriculture Department and are based on soil surveys of the command keeping in view the national policy in respect of encouraging crops for producing oil seeds and pulses. Availability of water as per Inter-State agreements, awards and consent of co-basin States are also considered.
- (ix) The cost estimates and economic evaluations are carried out as per guidelines issued by the Central Water Commission. No existing command of existing ground water, water bodies or minor irrigation schemes has been taken as beneficial command of the proposed project.
- (2) The project has also been examined by the State level Project appraisal / Technical Advisory Committee comprising representative of Irrigation, Agriculture, Fisheries, Forests, Soil Conservation, Ground Water, Revenue and Finance Deptt. and State level Environmental Committee etc. and techno-economic feasibility of the project has been established.
- (3) The project is recommended for acceptance by Central Water Commission and Ministry of Water Resources, River Development & Ganga Rejuvenation.

Chief Engineer,
Central Design Organization,
Irrigation Water Resources Department,
Govt. of _____

Counter signed by

Principal Secretary, Water Resources Department,
Govt. of _____

Appendix –K**Certificate on Survey and Investigation**

This is to certify that the _____ project located in the State of _____ (Name of State) involves _____ Km of Main Canal for which 100% survey has been carried out. For Distributaries & Minors, in the command there are _____ types of soil group and for each soil group _____ % of survey has been carried out. Copy of the report is attached.

Signed by

(Signature, Name with seal)
Principal Secretary, Water Resources Department,
Govt. of _____

Appendix –L

Certificate on Cadastral Survey

This is to certify that proper Cadastral Survey has been carried out for all the property coming under submergence, for reservoir and canal network for the _____ project located in the State of _____ (Name of State). The list of properties coming under submergence are as follows:

Sl. No.	Name of Properties	
1	<u>Land in ha</u>	
	<i>Forest land:</i>	
	<i>Agriculture land:</i>	
	<i>Revenue land:</i>	
	<i>Others:</i>	
	Total	
2	Houses and Buildings (in Nos.)	
3	Other structures such as Road bridges, Railway bridges etc. (in Nos.)	
4	Others	

Signed by

(Signature, Name with seal)
Principal Secretary, Water Resources Department,
Govt. of _____

Appendix –M**Certificate on sharing of information to co-basin States**

This is to certify that copy of DPR of the _____ project located in the State of _____ (Name of State) has been sent to the Principal Secretaries of all other co-basin States for their views vide letter no. _____ dated _____ (copy enclosed). Receipt for the same by the co-basin States enclosed. Views furnished by the co-basin States also enclosed herewith.

Signed by

(Signature, Name with seal)
Principal Secretary, Water Resources Department,
Govt. of _____

Annexure-7

FLOW CHART FOR EXAMINATION OF DETAILED PROJECT REPORTS ON MAJOR IRRIGATION AND MULTI-PURPOSE PROJECTS

Total Duration: 4 Months (with CDO) & 6 Months (without CDO)

Preliminary Examination in the Nodal Appraisal Directorates and Circulation to specialized Directorates of CWC / other central agencies.

(2 Weeks)

Examination in the various specialized Directorates of CWC / other central agencies and communication of deficiencies of DPR to State.

(1 Month)

Submission of State's replies attending the deficiencies of DPR including further studies and investigation etc.

(1 Month)

Examination of State's replies and discussion with the project engineers for finalization in the CWC.

(1 Month)

(If required)

Preparation of Note by the Appraisal Directorates for the Advisory Committee of MoWR, RD&GR for its consideration/Acceptance after getting necessary inputs from the Project Authority.

(2 Weeks)

Note:

1. *For examination of Design aspects another one month time is allowed only if examination of design aspect depends on comments/acceptance of other aspect.*
2. *For submission of compliances on design aspects by the Project Authorities, another one month time is allowed only if submission of compliances depends on comments/acceptance of other aspect.*
3. *However, the total duration of the process of appraisal shall not exceed 6 months.*

Annexure-8

FLOW CHART FOR EXAMINATION OF DETAILED PROJECT REPORTS ON MEDIUM IRRIGATION PROJECTS

Total Duration: 4 Months (with CDO) & 6 Months (without CDO)

Preliminary Examination in the Nodal Appraisal Directorate of Field office of CWC and Circulation to specialized Directorates of CWC/ other central agencies as applicable.

(2 Weeks)

Examination in the nodal appraisal Directorate of field office of CWC / various specialized Directorates of CWC / other central agencies and communication of deficiencies of DPR to State.

(1 Month)

Submission of State's replies attending the deficiencies of DPR including further studies and investigation etc.

(1 Month)

Examination of State's replies and discussion with the project engineers for finalization in the CWC

(1 Month)

(If required)

Preparation of Note by the Appraisal Directorates for the Advisory Committee of MoWR, RD & GR for its consideration/Acceptance after getting necessary inputs from the Project Authority.

(2 Weeks)

Note:

1. *For examination of Design aspects another one month time is allowed only if examination of design aspect depends on comments/acceptance of other aspect.*
2. *For submission of compliances on design aspects by the Project Authorities, another one month time is allowed only if submission of compliances depends on comments/acceptance of other aspect.*
3. *However, the total duration of the process of appraisal shall not exceed 6 months.*

Annexure - 9

COMPOSITION OF ADVISORY COMMITTEE
(TO BE PUBLISHED IN THE GAZETTE OF INDIA PART – I SECTION – I)

No. 12/5/86-P-II
Government of India
Ministry of Water Resources
New Delhi,

27th November, 1987.

RESOLUTION

Sub: Advisory Committee for Consideration of techno-economic viability of Major, Medium Irrigation, Flood Control and Multipurpose project proposals.

- 1) A Committee for recommending projects to be included in the Second Five Year Plan was set up by the Planning commission, vide their Resolution No. PC(V)/IV(5)/54, dated the 20th February, 1954. Later, the Planning Commission constituted an Advisory Committee for Irrigation, Flood Control and Multipurpose projects, vide their letter No. II-16(25)(1)/76-I&CAD, dated the 27th September, 1976. This Committee was entrusted with the function of getting the project examined by the Central Water Commission and Central Electricity Authority, as required to determine their techno-economic viability.
- (2) The arrangements for scrutiny of techno-economic viability of irrigation, flood control and multipurpose projects have been reviewed by Government and it has been decided that the Advisory Committee constituted by the Planning Commission will be replaced by an Advisory Committee in the Ministry of Water Resources which will scrutinize proposals for major / medium irrigation, flood control and multi-purpose projects.
- (3) The Committee shall consist of the following:

(I) Secretary, Ministry of Water Resources	-	Chairman
(ii) Chairman, Central Water Commission	-	Member
(iii) Secretary (Expenditure), Ministry of Finance or his Nominee	-	Member
(iv) Secretary, Department of Power, Ministry of Energy - or his Nominee.		Member
(v) Secretary, Department of Environment & Forest or his Nominee	-	Member

- | | | | |
|--------|---|---|------------------|
| (vi) | Secretary, Department. of Agriculture & Cooperation
or his Nominee | - | Member |
| (vii) | Secretary, Ministry of Welfare or his Nominee | - | Member |
| (viii) | Director-General, ICAR or his nominee | - | Member |
| (ix) | Chairman, Central Electricity Authority | - | Member |
| (x) | Advisor (I&CAD), Planning Commission | - | Member |
| (xi) | Advisor (Energy), Planning Commission | - | Member |
| (xii) | Financial Advisor, Ministry of Water Resources | - | Member |
| (xiii) | Chairman, Central Ground Water Board | - | Member |
| (xiv) | Chief Engineer (PAO), CWC | - | Member-Secretary |
- (4) The Nominees will not be below the rank of Joint Secretary. The committee may also invite representatives of any other Government organizations, scientific body of experts in the relevant fields to participate in its deliberations.
- (5) The functions of the Committee will be to examine projects proposed by State Governments, Central Government or other organizations and satisfy itself that:
- i) the schemes have been prepared after adequate investigations;
 - ii) the estimates are complete and correct technically;
 - iii) the financial forecasts and estimates of benefits and anticipated are based on reliable and accurate data; and
 - i) the need of environment conservation and proper rehabilitation of project-affected persons have been taken into account.
- (6) The project proposals will be received in the Central Water commission which will carry out initial scrutiny in consultation with other concerned agencies and provide secretarial assistance to the Committee, which may modify, as necessary, the procedure for receipt of project proposals and their examination.
- (7) On the basis of the examination conducted by the Committee, the Ministry of Water Resources would convey the decision on techno-economic viability of the projects. Their inclusion in the Five Year Plans or Annual Plans, as the case may be, could be

decided by the Planning Commission having regard to the objectives and strategy of the Plan.

Sd/-
(S. Kanungo)
Additional Secretary

ORDER

ORDERED that this Resolution be communicated to all the State Governments, Ministries/ Departments of the Government of India, the Comptroller and Auditor-General of India, Prime Minister's Office, President's Secretariat and Planning Commission.

ORDERED also that the Resolution be published in the Gazette of India.

Sd/-
(S. Kanungo)
Additional Secretary

The General Manager,
Government of India Press,
FARIDABAD (with Hindi version)

Annexure - 10

No.16/(12)/2003/WR
Government of India
Planning Commission
(WR Division)

Yojana Bhawan, New Delhi the 18th May 2004.

To
The Chief Secretary,
Govt. of

Subject: Revised estimates of major, multipurpose & medium irrigation projects on inter-state rivers.

Sir,

The procedure for getting revised estimates of major, multipurpose & medium irrigation projects on inter-state rivers as outlined in the guidelines issued by the Central Water Commission in 2002 for submission, appraisal and clearance of irrigation and multipurpose projects. A copy of the relevant extract is enclosed for ready reference. On a review of the position of submission of revised estimates by state governments and getting them approved as per prescribed procedure, it is seen that only in a very few cases, the state governments have got revised estimates approved. Such approvals sought are mostly confined to the first revision only and not the subsequent revisions. The latest estimated cost of practically all the irrigation projects in the country is thus unapproved. A State Finance Department have been permitting expenditure on projects much beyond the approved cost. In some cases, the state governments accord administrative approvals themselves for the revised cost without submission of the same to the CWC.

2. Keeping these facts in view, it has been decided to adopt the following procedure for submission of revised estimates of irrigation/multipurpose projects with immediate effect.
 - i) While according investment clearance, Planning Commission will make a specific mention in the clearance order requesting State Finance Department not to permit expenditure on the project beyond the approved cost unless the revised estimate is got approved following the prescribed procedure.

- ii) For major irrigation/multipurpose projects, State Governments will constitute a Standing Committee of State Finance, Planning & Water Resources Secretaries who will examine critically the reasons for cost overrun and give their report with relevant/findings recommendations. The revised estimate will be submitted by the State Governments thereafter to the CWC together with this report and action taken report on the findings/recommendations of the committee. CWC will thereafter examine the revised estimates on a fast track basis. The Standing Committee will be serviced by the State Irrigation/Water Resources Department for providing necessary documents, etc.
- iii) For medium irrigation projects, where there is no change in scope of the project, State Governments may themselves approve the revised estimate as per procedure for such approvals in the states. A copy of such approval may be endorsed to CWC, MoWR and the Planning Commission. State Governments will have to first satisfy the CWC that there has been no change in the scope of the project and obtain their clearance for this before approving revised cost of medium projects. If required, CWC will carry out a site inspection of the project before issue of no objection. For projects where there is change in scope in terms of storage capacity, CCA, length of canals etc., the procedure in (ii) above will be followed.
3. State Governments are requested to ensure strict compliance of the above revised procedure with a view to bring in more fiscal discipline and accountability in the irrigation sector.
4. For ongoing approved projects, State Governments are urged to expeditiously submit the revised estimates to the CWC in a time frame of say 6 months. For ongoing unapproved projects, State Governments may obtain quickly the required statutory and other clearances, update costs where required and submit it to the CWC for appraisal so that the projects can be accorded investment clearance thereafter.

Yours faithfully,

Sd/

(A. Sekhar)
Adviser (WR)

Annexure - 11

No. P.18011/1/2016-SPR/2327-2341

भारतसरकार
Government of India
जलसंसाधन, नदीविकास एवं गंगा संरक्षण मंत्रालय
Ministry of Water Resources, River Development and Ganga Rejuvenation
(SPR Section)

781-0249

Room No.631, Shram Shakti Bhawan
New Delhi, Dated 23.08.2016

To

The Chairman,
Central Water Commission,
Sewa Bhawan, R. K. Puram,
New Delhi-110066

Subject: - Establishment of the Mission to ensure completion of 99 prioritised projects by December, 2019 including CAD&WM- Follow-up action reg.

Sir,

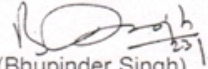
The undersigned is directed to inform that Cabinet on 27.07.2016 has approved creation of Mission with Additional Secretary / Special Secretary in MoWR, RD & GR to ensure completion of 99 prioritised projects under PMKSY- AIBP by Dec., 2019 including CAD&WM. While approving the above proposal the Cabinet has inter-alia approved that:

"No separate clearance/TAC clearance/Investment Clearance in respect of prioritised 99 projects will be required for escalation in cost upto 20% over approved cost as on 01.04.2012. Fast track *proforma* clearance from CWC shall be sufficient for projects where escalation is more than 20% of approved cost as on 01.04.2012 and no separate investment clearance from MOWR shall be required".

2. Further, it has been approved that Projects under Desert Development Programme (DDP) area shall be treated at par with projects in Drought Prone Area Programme (DPAP) for Central Assistance for ongoing projects (as on 1.4.12) also.

This is for kind information and further necessary action please.

Yours faithfully,


(Bhupinder Singh)
Senior Joint Commissioner (SPR-II)
Tel. No. 23710131
E-mail: sicpr-mowr@nic.in, project1-mowr@nic.in

Copy to:

1. The PPS to Secretary (WR, RD & GR).
2. The PS to OSD (MoWR, RD & GR).
3. The Chief Engineer (PAO), CWC, Sewa Bhawan, new Delhi.
4. The Chief Engineer (PMO), CWC, Sewa Bhawan, new Delhi.
5. All Field Chief Engineers, Central Water Commission.

Priority Projects under AIBP

Sl No	Priory No	State	Name of the project
1	2	Andhra Pradesh	Gundlakamma
2	2	Andhra Pradesh	Tadipudi LIS
3	2	Andhra Pradesh	Thotapally
4	2	Andhra Pradesh	TarakaramTeertasagaram
5	2	Andhra Pradesh	Musurumilli
6	2	Andhra Pradesh	Pushkara LIS
7	2	Andhra Pradesh	Yerracalva
8	2	Andhra Pradesh	Maddigedda
9	1	Assam	Dhansiri
10	1	Assam	Champamati
11	3	Assam	Borolia
12	3	Bihar	Durgawati
13	3	Bihar	Punpun
14	3	Chhattisgarh	Maniyari Tank
15	3	Chhattisgarh	Kelo
16	3	Chhattisgarh	Kharung
17	3	Goa	Tillari
18	3	Gujarat	SardarSarovar
19	1	Jammu & Kashmir	Tral Lift
20	1	Jammu & Kashmir	PrakachikKhows Canal
21	1	Jammu & Kashmir	Restoration & Mod. of Main Ravi Canal
22	3	Jammu & Kashmir	Rajpora Lift
23	3	Jharkhand	Subernarekha Multipurpose
24	3	Karnataka	Karanja
25	1	Karnataka	Sri Rameswar Irrigation
26	3	Karnataka	NLBC System Project (New)
27	1	Karnataka	Upper Tunga Irrigation Project
28	3	Karnataka	Bhima LIS
29	3	Kerala	Karapuzha
30	3	Kerala	Muvattupuzha
31	1	Madhya Pradesh	Sindh Project Phase II
32	1	Madhya Pradesh	Indira Sagar Project Canal Phase - I & II (km. 0 to km. 142)
33	1	Madhya Pradesh	Indira Sagar Project Canal Phase - III (km. 143 to km. 206)
34	1	Madhya Pradesh	Omkareshwar Project Canal Phase-IV (OSP lift)
35	1	Madhya Pradesh	Bargi Diversion Project Phase - I (km. 16 to km 63)
36	2	Madhya Pradesh	Mahi Project

37	2	Madhya Pradesh	Barriyarpur LBC
38	2	Madhya Pradesh	Bansagar Unit 2
39	2	Madhya Pradesh	Mahan Project
40	2	Madhya Pradesh	Pench Project
41	2	Madhya Pradesh	Sagad Project
42	2	Madhya Pradesh	Singhpur Project
43	2	Madhya Pradesh	Sanjay sagar (Bah) Project
44	2	Madhya Pradesh	Mahuar Project
45	2	Madhya Pradesh	Indira Sagar Project Canal Phase - IV (km. 206 to km. 243)
46	2	Madhya Pradesh	Indira Sagar Project Canal Phase - V (Khargone Lift)
47	2	Madhya Pradesh	Omkareshwar Project Canal Phase-II (RBC km. 9.70 to km 65.50)
48	2	Madhya Pradesh	Omkareshwar Project Canal Phase-III (RBC km. 65.50 to km 142)
49	2	Madhya Pradesh	Bargi Diversion Project Phase - II (km. 63 to km 104)
50	3	Madhya Pradesh	Bargi Diversion Project Phase - III (km. 104 to km 154)
51	3	Madhya Pradesh	Bargi Diversion Project Phase - IV (km. 154 to km 197)
52	1	Maharashtra	Waghur
53	1	Maharashtra	Bawanthadi (IS)
54	1	Maharashtra	Lower Dudhna
55	1	Maharashtra	Tillari
56	1	Maharashtra	Lower Wardha
57	1	Maharashtra	Lower Panzara
58	1	Maharashtra	NandurMadhmeshwarPh-II
59	2	Maharashtra	Gosikhurd (NP)
60	3	Maharashtra	Upper Pen Ganga
61	3	Maharashtra	Bembla
62	3	Maharashtra	Tarali
63	3	Maharashtra	DhomBalakwadi
64	3	Maharashtra	Arjuna
65	3	Maharashtra	Upper Kundalika
66	3	Maharashtra	Aruna
67	3	Maharashtra	Krishna Koyana Lift
68	3	Maharashtra	Gadnadi
69	3	Maharashtra	Dongargaon
70	3	Maharashtra	Sangola Branch Canal
71	3	Maharashtra	Khadakpurna
72	3	Maharashtra	Warna
73	3	Maharashtra	Morna (Gureghar)
74	3	Maharashtra	Lower Pedhi

75	3	Maharashtra	Wang project
76	3	Maharashtra	Naradave (Mahammadwadi)
77	3	Maharashtra	Kudali
78	1	Manipur	Thoubal
79	1	Manipur	Dolaithabi Barrage
80	1	Odisha	Lower Indra(KBK)
81	2	Odisha	Upper Indravati(KBK)
82	2	Odisha	Rukura-Tribal
83	3	Odisha	Subernarekha
84	3	Odisha	Anandpur Barr. Ph. -I / Integrated Anandpur Barr.
85	3	Odisha	RET irrigation
86	3	Odisha	Kanupur
87	3	Odisha	Telengiri
88	1	Punjab	Kandi Canal Extension (Ph.II)
89	1	Punjab	Rehabilitation of Ist Patiala Feeder and Kotla Branch Project
90	1	Rajasthan	Narmada Canal
91	3	Rajasthan	Mod. of Gang Canal
92	2	Telangana	SriKomaramBheem project
93	2	Telangana	Gollavagu Project
94	2	Telangana	Rallivagu project
95	2	Telangana	Mathadivagu Project
96	2	Telangana	Peddavagu @ Neelwai project
97	2	Telangana	Palemvagu project
98	2	Telangana	Peddavagu @ Jagannathpur
99	2	Telangana	SRSP St.II
100	2	Telangana	Rajiv Bheema L.I. Scheme
101	1	Telangana	J. ChokhaRao LIS
102	3	Telangana	Indiramma Flood Flow Canal
103	2	Uttar Pradesh	Bansagar Canal
104	3	Uttar Pradesh	Arjunsahayak
105	3	Uttar Pradesh	Madhya Ganga canal PH-II
106	3	Uttar Pradesh	SaryuNahar(NP)

Annexure – 12

FLOW CHART FOR EXAMINATION OF REVISED COST ESTIMATE OF MAJOR IRRIGATION AND MULTI-PURPOSE PROJECTS WITHOUT CHANGE IN SCOPE

Total Duration: 3 Months

Preliminary Examination in the Nodal Appraisal Directorates and Circulation to specialized Directorates of CWC / other central agencies.

(1 Week)

Examination in the various specialized Directorates of CWC / other central agencies and communication of deficiencies of RCE to State.

(3 Weeks)

Submission of State's replies attending the deficiencies of RCE including further studies and investigation etc.

(3 Weeks)

Examination of State's replies and discussion with the project engineers for finalization in the CWC.

(1 Month)

(If required)

Preparation of Note by the Appraisal Directorates for the Advisory Committee of MoWR, RD&GR for its consideration/Acceptance after getting necessary inputs from the Project Authority.

(1 Week)