

I/160257/2024(3)

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग
केंद्रीय जल आयोग
प्रबोधन एवं मूल्यांकन निदेशालय, आगरा



Government of India
Ministry of Jal Shakti
Dept. of Water Resources, RD&GR
Central Water Commission
Monitoring & Appraisal Directorate, Agra

सेवा में,

मुख्य अभियंता (PMO),
केन्द्रीय जल आयोग, सेवा भवन,
आर.के. पुरम, नई दिल्ली।

विषय: अर्जुन सहायक परियोजना (CADWM), उत्तर प्रदेश, की प्रधानमंत्री कृषि सिंचाई योजना (PMKSY-HKKP-CADWM) के अंतर्गत, प्रबोधन की वित्तीय वर्ष 2023-24 की प्रथम प्रबोधन (1st Monitoring Report) रिपोर्ट का प्रेषण।

महोदय,

प्रबोधन एवं मूल्यांकन निदेशालय, केन्द्रीय जल आयोग, आगरा की प्रबोधन टीम (Monitoring Team) द्वारा जल शक्ति मंत्रालय द्वारा प्रधानमंत्री कृषि सिंचाई योजना (PMKSY-HKKP-CADWM) के अंतर्गत वित्तपोषित अर्जुन सहायक परियोजना (CADWM), उत्तर प्रदेश का प्रबोधन दौरा (Monitoring Visit) दिनांक 22.12.2023 से 23.12.2023 की अवधि में किया गया।

प्रबोधन दौरे (Monitoring Visit) के दौरान ग्रेटर शारदा सहायक समादेश, उत्तर प्रदेश द्वारा सम्पन्न कार्यों का भौतिक सत्यापन, परियोजना से प्रत्यक्ष/अप्रत्यक्ष रूप से जुड़े अधिकारियों के साथ हुई चर्चा तथा उनके द्वारा उपलब्ध कराये गए आंकड़ों/तथ्यों के आधार पर तैयार की गयी वित्त वर्ष 2023-24 की प्रथम प्रबोधन रिपोर्ट (1st Monitoring Report) सूचनार्थ एवं आवश्यक कार्यवाही हेतु संलग्न प्राप्त करें।

यह मुख्य अभियंता, ऊपरी गंगा बेसिन संगठन, केन्द्रीय जल आयोग, लखनऊ के अनुमोदन से जारी की जाती है।

भवदीय

संलग्नक: यथापरोक्त।

(गोवर्धन प्रसाद)
निदेशक

प्रति (संलग्नक सहित):

- 1) सदस्य(WP&P), केन्द्रीय जल आयोग, सेवा भवन, नई दिल्ली।
- 2) आयुक्त (SPR), जल संसाधन मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली।

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Conserve Water- Save Life

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3) प्रमुख अभियंता एवं विभाग अध्यक्ष , उत्तर प्रदेश सिंचाई एवं जल संसाधन विभाग, सिंचाई भवन, कैंट रोड लखनऊ

- 4) अध्यक्ष एवं प्रशासक, ग्रेटर शारदा सहायक समादेश, उत्तर प्रदेश: रिपोर्ट के पैरा 4.1.2 एवं 4.2 के आलोक में आवश्यक कार्यवाही करवाने के अनुरोध के साथ
- 5) मुख्य अभियंता, उ०ग०बे०सं०, केंद्रीय जल आयोग, लखनऊ ।
- 6) मुख्य अभियंता, परियोजना – बेतवा, सिंचाई एवं जल संसाधन विभाग उत्तर प्रदेश, झाँसी ।



सत्यमेव जयते

भारत सरकार
केंद्रीय जल आयोग

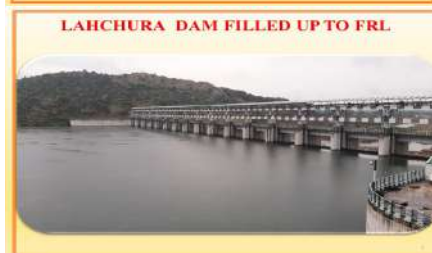


Monitoring Report of Arjun Sahayak Pariyojna (CADWM), implemented by, Irrigation & Water Resources Department, Government of Uttar Pradesh and Centrally Assisted by Government of India under Pradhan Mantri Krishi Sinchai Yojana (PMKSY-HKKP-CADWM)

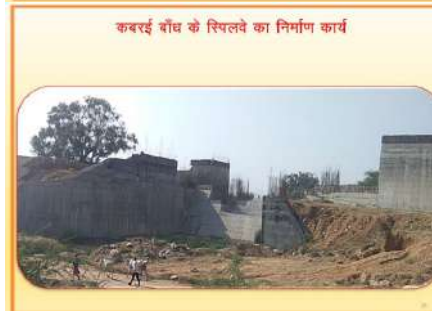
First Monitoring Report of 2023-24



हेड रेगलेटर कवरई मरुया नहर



LAHCHURA DAM FILLED UP TO FRL



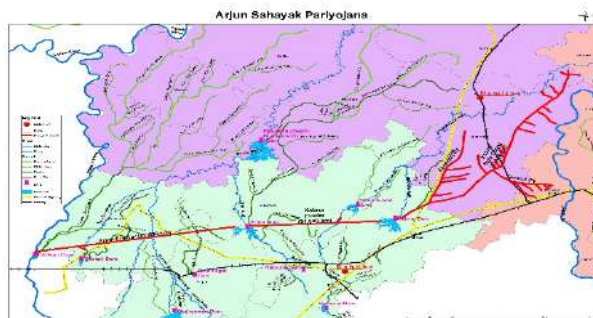
कबरई बाँध के स्थलवे का निर्माण कार्य



अन्दावल एवमात्मनः



अर्जुन फीडर हेड रेगुलेटर



Arjun Sahayak Pariyolans



हेड रेगलेटर कवर्ड मर्या नहर

प्रबोधन एवं मूल्यांकन निदेशालय, आगरा
ऊपरी गंगा बेसिन संगठन, लखनऊ
दिसंबर, 2023

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DETAILS OF MISSION

Name of the Project	ARJUN SAHAYAK PARIYOJNA (U.P.)
Period of monitoring visit	22-12-2023 to 23-12-2023
Officers participated in mission	<ol style="list-style-type: none"> 1. Shri Anupam Prasad, Chief Engineer, UGBO, CWC, Lucknow 2. Shri Goverdhan Prasad, Director, UGBO, CWC, Agra. 3. Shri Manas Hans Yadav, Dy. Director, UGBO, CWC, Agra. 4. Shri Sanjay Kumar, SDE, UGBO, CWC, Lucknow. 5. Shri Siddharth Kumar, Junior, Engineer, UGBO, CWC, Agra.
Officers from Arjun Sahayak Pariyojna (CADWM)/ Greater Sharda Sahayak Samadesh, Lucknow	<ol style="list-style-type: none"> 1. Shri Mool Chandra Saini, Dy. Director, Greater Sharda Sahayak Samadesh, Lucknow 2. Shri Devendra Pratap Shukla, Dy. Director (I/C), Greater Sharda Sahayak Samadesh, Lucknow <p>and other officers accompanied during the visit.</p>

PART-I EXECUTIVE SUMMARY

PROJECT IN BRIEF

Arjun Sahayak Pariyojana is proposed in Hamirpur and Mahoba districts of Bundelkhand region. Most of the area of these two districts is undulating having sporadic rock-outcrops with wide flat area having west-north dipping plateau on north of Betwa, Chadrawal and Kabrai rivers. Large part of the districts is covered with forest and rocks and therefore, the area available for agriculture is limited. The main source of irrigation in the district is storage, dams, reservoirs and small bandhies. The entire irrigation system is dependent on non-perennial sources which entirely dependent on rain water.

Arjun Sahayak Pariyojana envisages to use 279 MCM surplus water of river Dhasan during rainy season to fill Arjun, Chandrawal and Kabrai Dam (Extension) through feeder channels (Arjun feeder length 41.6 Km. & Kabrai feeder length 31.8 Km.) from existing Lahchura Dam/Barrage for storing the surplus water for irrigation & drinking water purpose.

On completion, the project will provide additional irrigation to 44,381 ha land, out of which area under Kharif crop is 18,963 ha and area under Rabi crop is 25,418 ha in Mahoba, Hamirpur and Banda districts in Uttar Pradesh. Also, 20 MCM water shall be made available for drinking purpose to Mahoba district. Restoration of 15104 ha in the existing commands of these three dams shall also be achieved. A total length of 165.40 Km of Kabrai main canal & distribution system envisage creation of new command. The project shall benefit total 1,49,755 farmers of 168 villages of three districts from irrigation and four lacs people shall be benefited from drinking water.

Command Area Development programme (PMKSY-HKWP-CADWM) sponsored by Govt. of India envisages increasing utilization to bridge the gap and optimum production by core activities of construction of on farm development works and formulation and implementation of osrabandi (warabandi) along-with other allied activities for integrated and overall development of the Command area and irrigation projects.

The CAD activities of Arjun Sahayak Pariyojna was included for Central Assistance (CA) under PMKSY-HKWP-CADWM Programme in FY 2020-21 with an estimated cost Rs. 155.37 crore. As per the original MoU, the scheduled completion target was March, 2022 with eligible CA is Rs. 77.87 crore.

In the DPR, 165 direct outlets (kulabas) are proposed on the Kabrai Main Canal. The details of the canal network are attached as **Annexure-1**. The main CADWM activities of Arjun Sahayak Pariyojna proposed in the DPR are as under:

(A) Structural Interventions:

- | | | |
|-------|---|----------|
| (i) | Survey, Planning & Design of OFD Works: | 54087 ha |
| (ii) | Construction of Field Channels: | 48678 ha |
| (iii) | Micro-Irrigation: | 5406 ha |
| (iv) | Field Drains: | 10817 ha |

(B) Non-structural Interventions:

- | | |
|------|--|
| (i) | Participatory Irrigation Management |
| (ii) | Demonstration, Training & Evaluation Studies |

PHYSICAL & FINANCIAL PROGRESS

The Project Authority has reported that out of the 165 direct outlets proposed on Kabrai Main Canal, total 132 outlets have been constructed – 36 in Mahoba and 96 in Hamirpur. Further, construction of 55 outlets in Hamirpur district is in progress.

IWRD has informed that tracing of outlets command area on Sajara sheet for 93 has been completed and handed over to CADA field officers. Joint survey of these 93 outlets by IWRD, UP & CADA, UP will be done by January, 2024. The work of tracing of the balance outlets areas is in progress. The structural CADWM works are yet to start.

Out of the eligible central assistance of Rs. 77.87 crore, central assistance amounting to Rs. 6 crore was released to the State Government during FY 2020-21. However, an expenditure of Rs. 1.8 lakh only has been incurred so far.

It has been observed that there is inconsistency in the status of outlet works submitted by IWRD and CADWM officials. It is advised that the status of outlet works may be submitted in future after duly reconciling by both IWRD and CAD departments.

TARGET COMPLETION OF PROJECT

As per the CADWM guidelines, the CAD works are required to be taken up pari-passu with the AIBP works. The revised scheduled completion target for AIBP works is March, 2024. As per the MoU for CAD works, the scheduled completion target was March, 2022. The Project Authority needs to expedite CAD works for timely completion.

PART-II MONITORING REPORT

CHAPTER-1 PROJECT DETAILS

1.1 GENERAL

Mahoba and Hamirpur districts of Bundelkhand region, situated in the southern part of Uttar Pradesh, are economically backward. Due to non-availability of sufficient water, the optimum agriculture development has not taken place in these districts.

The CADWM works of Arjun Sahayak Pariyojana envisages to provide irrigation to 44381 ha land out of which areas under *kharif* is 18,963 ha and *rabi* is 25,418 ha. It also envisages to restore 15104 ha in the commands of existing projects and to provide 20 MCM water for drinking purpose to Mahoba district.

The **Salient Features** of the project (**Annexure-2**) and **Index Map** are given in **Plates**.

Project Components:

(A) Structural Interventions:

- | | |
|---|----------|
| (i) Survey, Planning & Design of OFD Works: | 54087 ha |
| (ii) Construction of Field Channels: | 48678 ha |
| (iii) Micro-Irrigation: | 5406 ha |
| (iv) Field Drains: | 10817 ha |

(B) Non-structural Interventions:

- (i) Participatory Irrigation Management
- (ii) Demonstration, Training & Evaluation Studies

CHAPTER-2 PROJECT IMPLEMENTATION STATUS

2.1 CHANGE IN SCOPE, IF ANY

The Project Authorities have not reported any change in the scope of the project.

2.2 ORGANIZATIONAL SET UP FOR THE PROJECT

The project is being implemented under the overall control of Commissioner-cum-Administrator (CADA) who is assisted by an Additional/Joint/Deputy Administrator and Additional/ Joint Director (Agriculture).

2.3 CONTRACTUAL ARRANGEMENT

As of now, no contract for CADWM works has been awarded.

2.4 QUALITY ASSESSMENT

No information is available regarding quality assessment of CADWM works.

2.5 PROPOSAL UNDER CADWM

The cumulative expenditure up to September, 2023 on the project is Rs.1.8 Lakhs only. Details of central assistance (CA) and state share (SS) as reported by the Project Authority is tabulated below:

Table 1 Year-wise Release of CA and SS

(Amount in Rs. in Crores)

Sl. No.	Year	Central Assistance (CA)	State Share	Total Expenditure	Remark
1	2020-21	6.00	6.00	0.0162	State Share surrendered by end of FY
2	2021-22	0.00	0.4175	0.00	
3	2022-23	0.00	5.42	0.0018	SNA Account
	Total	6.00		0.018	

2.6 ESTIMATED COST AND TECHNO- ECONOMIC APPRAISAL

The CAD works of Arjun Sahayak Pariyojna has been included for Central Assistance (CA) under PMKSY-HKKP-CADWM Programme in FY 2020-21 with an estimated cost of Rs. 155.37 crore.

2.7 EXTERNAL ASSISTANCE

The project is not receiving any external assistance.

CHAPTER -3 PROJECT IMPLEMENTATION PROGRESS**3.1 PHYSICAL PROGRESS OF CADWM COMPONENTS**

The structural CADWM works are yet to start. In this regard, the State Government is required to prepare a revised year-wise financial and physical programme.

3.2 FINANCIAL PROGRESS OF CADWM COMPONENTS

The total estimated cost of the CADWM component is Rs. 155.37 crore. However, an expenditure of Rs. 1.8 lakh only has been incurred so far. Out of the eligible central assistance of Rs. 77.87 crore, central assistance amounting to Rs. 6 crore was released to the State Government during FY 2020-21.

3.4 MONITORING OF PROJECT AT STATE /PROJECT LEVEL

Project is being monitored by Commissioner-cum-Administrator (CADA) who is assisted by an Additional/Joint/Deputy Administrator and Additional/ Joint Director (Agriculture). At Central level the project is being monitored by Monitoring & Appraisal Directorate, CWC, Agra.

CHAPTER-4 OBSERVATIONS/ SUGGESTIONS BASED ON SITE VISIT**4.1 OBSERVATIONS/SUGGESTIONS****4.1.1 Sites Visited**

CWC monitoring team visited the project on 22nd to 23rd December, 2023. Kabrai Main Canal and Suroli Distributary were inspected for hydraulic connectivity. As of now, hydraulic connectivity has been established in Kabrai Main Canal up to 26.20 km and in Suroli Distributary up to 5.16 km. The structural/physical works of CADWM are yet to start.

The photographs of the visit are appended in the photographs section of this report.

4.1.2 OBSERVATIONS/SUGGESTION

- i. As per the CADWM guidelines, the CAD works are required to be taken up pari-passu with the AIBP works. The revised scheduled completion target for AIBP works is March, 2024. The physical progress of AIBP is 99.99%, whereas the CADWM works are yet to start. Thus, the CADWM works are lagging far behind its scheduled completion and also lagging behind the progress of AIBP component. In this regard, it is advised to make all out efforts to expedite the CADWM works.
- ii. During the wrap-up meeting with the officials of WRD and CADWM, Govt. of UP, CADWM officials pointed out that it may not be possible to irrigate the desired command from many of the outlets constructed by WRD due to their unsuitable locations. In order to avoid such situations, it was suggested to conduct joint survey of the outlets and their command areas, and to take corrective measures accordingly.

It was further suggested that the work may be started with joint survey of the 22 outlets on Kabrai Main Canal at the earliest and a report be prepared by the end of January, 2024 for taking necessary action by WRD /CADWM. A copy of the joint survey with its findings may also be made available to Director, M&A, CWC Agra. Considering the nature of topography in the region, it was also emphasised to carry out a very precise planning/execution of outlets and field channels, so that the water reaches throughout the command area, else the whole purpose of CADWM will be defeated.

- iii. During the field visit, it was observed that micro-irrigation may be more useful for the farmers given the undulating topography and sowing of a variety of rabi crops in the area. Under the CADWM Guidelines, it is mandatory to have micro-irrigation in 10% of

the area of the total command. This mandatory micro-irrigation may be implemented first and its benefits may be evaluated. If such micro-irrigation is found beneficial both for farmers as well as from irrigation efficiency point of view, the same may be replicated in remaining command also.

- iv. The last MoU signed for CADWM works expired in March, 2022 (**Annexure-3**). As per para 17 of the MoU for AIBP signed during 2021-22 (**Annexure- 4**), “separate detailed MoU in respect of CAD component would be signed by State with MoWR, RD & GR containing elaborate details of CAD aspects.” In this regard, the State Government needs to submit a time extension request with proper justification along with revised MoU and revised year-wise financial and physical programme.
- v. Central Assistance amounting to Rs. 6 crore was released to the State Government during FY 2020-21, which is almost entirely unspent till date. In this regard, appropriate action may be taken in light of extant rules/ orders.
- vi. It is requested to furnish T-diagram of Kabrai Main Canal showing length and location of distributaries, minors, sub-minors, direct outlets etc.
- vii. There is very slow progress in activities of non-structural intervention. So far, no Water Users Associations have been formed. It was informed that the electoral rolls are being prepared and elections would be held in near future. State Government officials were advised to expedite the work of WUA formation.
- viii. All pucca structures (outlets etc.) may be geo-tagged.
- ix. Third party monitoring of the project may be carried out and its monitoring report may be submitted.
- x. It has been observed that there is inconsistency in the status of outlet works submitted by IWRD and CADWM officials. It is advised that the status of outlet works may be submitted in future after duly reconciling by both IWRD and CAD departments.

4.2 SUGGESTIONS/MEASURES FOR EARLY COMPLETION OF PROJECT

1. IWRD may constantly pursue and monitor works at the railway crossing and establish hydraulic connectivity throughout the canal system at the earliest.

2. IWRD and CADWM officials need to work in close coordination to complete the project in time. In this regard, the planning and survey works may be carried out jointly by the two departments for earliest finalization of outlets.
3. The work of WUA formation may be completed immediately, which in turn may expedite the works of CADWM like Training, Infra Grant, Functional Grant and others etc and CADWM as a whole.
4. A revised timelines for completion of the works under CADWM may be prepared including micro-irrigation and works may be carried out as per the timelines.

PHOTOGRAPHS

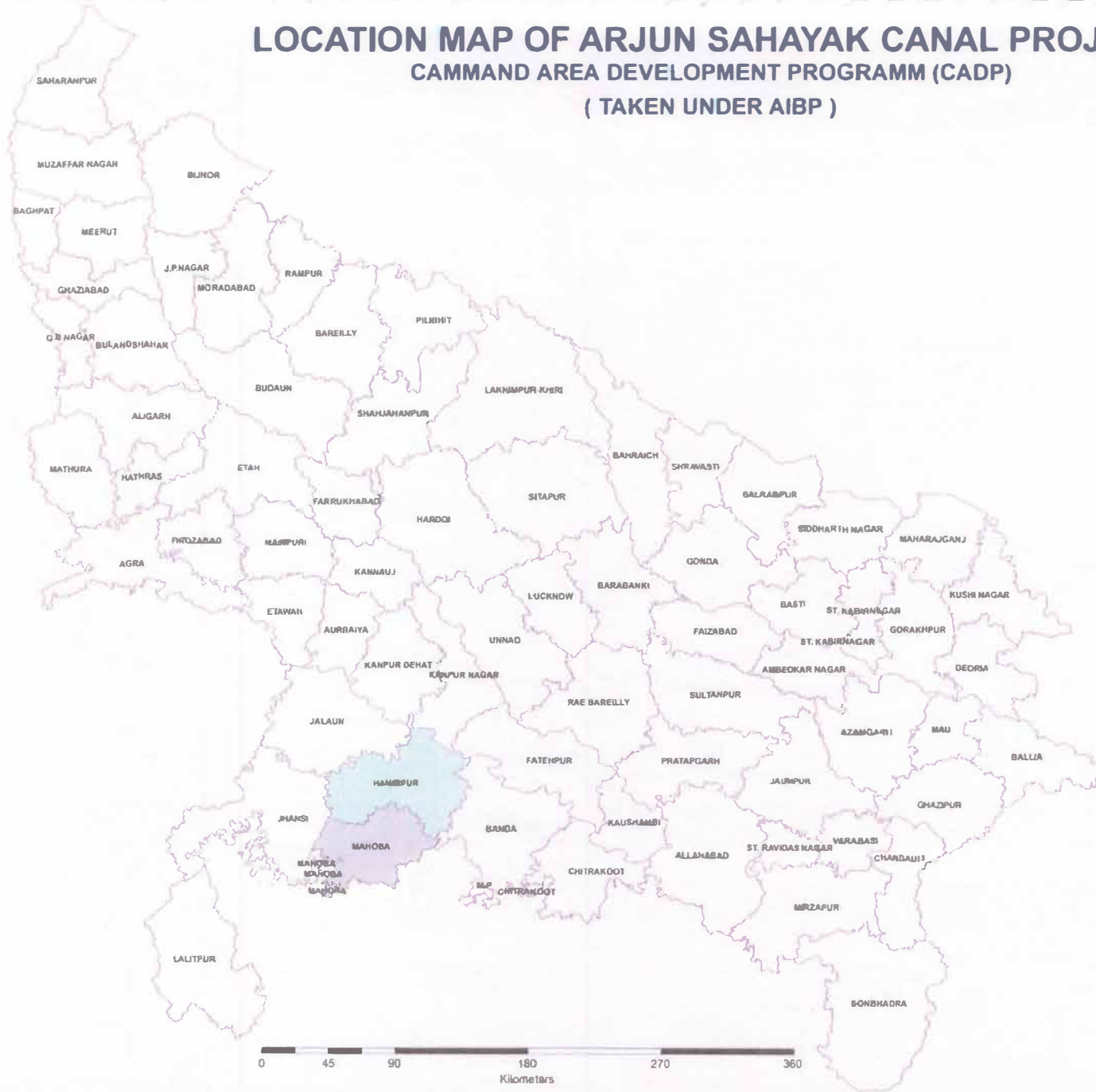
Figure 1 Meeting with CADWM Officials at Mahoba



Figure 2 Kabrai Dam Top

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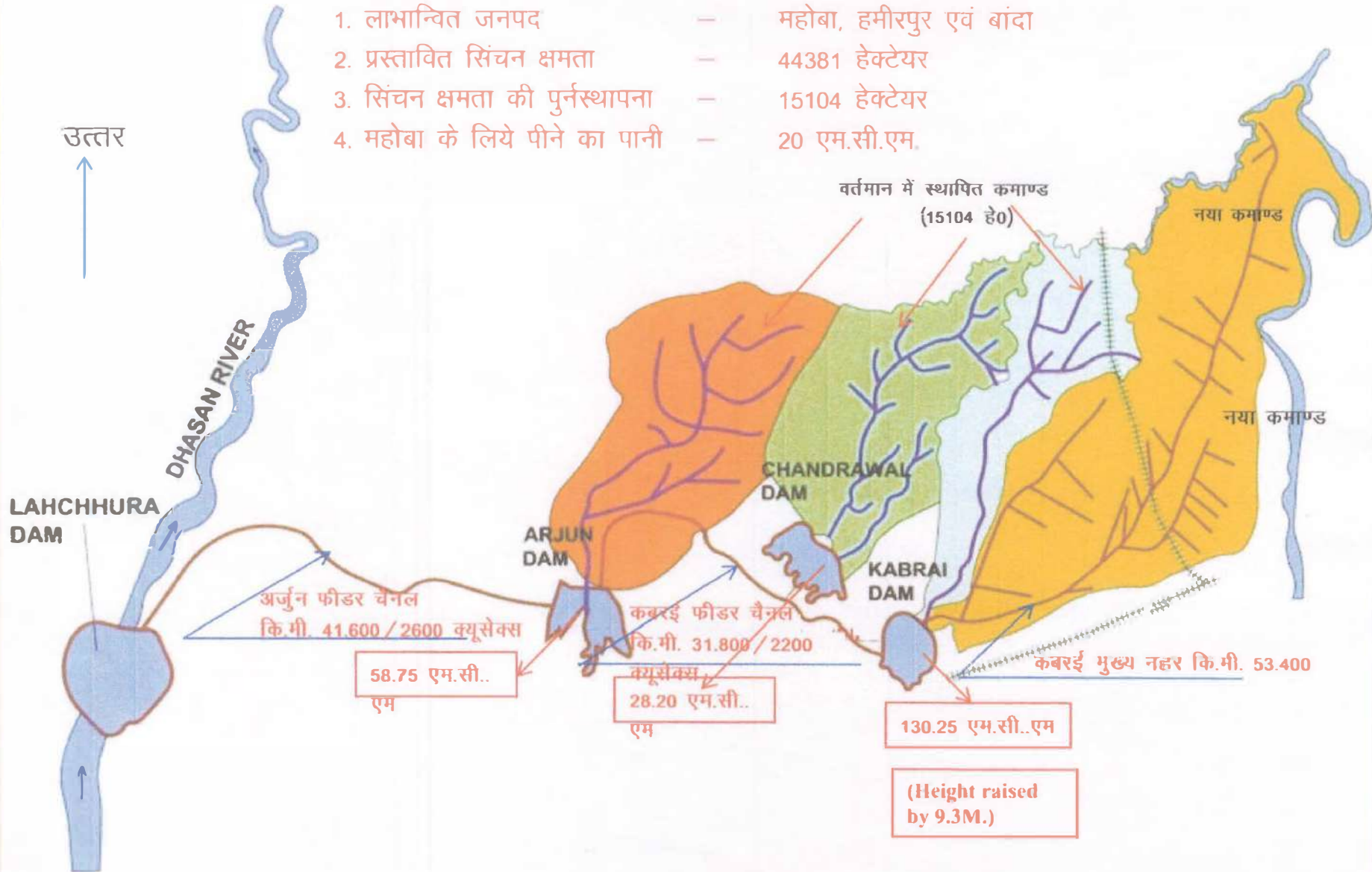
LOCATION MAP OF ARJUN SAHAYAK CANAL PROJECT CAMMAND AREA DEVELOPMENT PROGRAMM (CADP) (TAKEN UNDER AIBP)



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अर्जुन सहायक परियोजना

- | | | |
|---------------------------------|---|--------------------------|
| 1. लाभान्वित जनपद | — | महोबा, हमीरपुर एवं बांदा |
| 2. प्रस्तावित सिंचन क्षमता | — | 44381 हेक्टेयर |
| 3. सिंचन क्षमता की पुर्नस्थापना | — | 15104 हेक्टेयर |
| 4. महोबा के लिये पीने का पानी | — | 20 एम.सी.एम. |



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DETAILS OF CANAL NETWORK

1	Location- Name of River basin Triibutary irrigation Project head work						Near Kabrai, Mahoba Kulhani, River, Majariya Nala			
	Type of dam barrage etc.					Earthen				
2	Canal Network									
	A. Man and Branch Canals									
	Canal	Name	CCA (TH.Ha)	Discharea at head (Cum ecs)	No.of direct outlets	Length (km)	Portion lined (km)%	Portion unlined (km)%	No.of days of running on full discharge	Weather volumetric discharge measuring structures exist on the canals
	Main	1. KABRAI MAIN CANAL	26487.00	15	165	53.4	-	53.40 (100%)	-	-
	Branch	1. 2. 3. 4.	-	-	-	-	-	-	-	-
	B.Distributaries/Minor/Sub-minor									
	Canal		Total Lengrh in km	CCA	Portion lined		Portion unlined		Weather volumetric discharge /measuring structures exist	
	Distributaries				km	%	km	%		
	1-Khandeh DY		19.60	5400.00	0	0	19.60	100%	-	
	2-Surauli DY		14.80	4259.00	0	0	14.80	100%	-	
	Minor								-	
	1	Sirsikala Minor	5.20	1820.00	0	0	5.20	100%	-	
	2	Kahara Minor	3.00	804.00	0	0	3.00	100%	-	
	3	Kulkua Minor	6.50	2245.00	0	0	6.50	100%	-	
	4	Bahinga Minor	4.20	1272.00	0	0	4.20	100%	-	
	5	Silhat Minor	3.20	742.00	0	0	3.20	100%	-	
	6	Mohanpurwa Minor	3.50	1036.00	0	0	3.50	100%	-	
	7	Triveni Minor	3.40	518.00	0	0	3.40	100%	-	
	8	Achhrod Minor	3.50	432.00	0	0	3.50	100%	-	
	9	Ujehta Minor	2.40	273.00	0	0	2.40	100%	-	
10	Rivai Sunaicha Minor	2.90	448.00	0	0	2.90	100%	-		
11	Ichauli-I Minor	5.60	622.00	0	0	5.60	100%	-		
12	Atgher- I Minor	2.90	564.00	0	0	2.90	100%	-		
13	Ichauli-II Minor	2.50	449.00	0	0	2.50	100%	-		

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ANNEXURE - 2

SALIENT FEATURES OF THE CAD PROJECT.

1	(a)	Name of the CAD project	ARJUN SAHAYAK PARIYOJANA			
	(b)	Year of inclusion	2017-18			
2	(a)	Name of State	UTTAR PRADESH			
	(b)	CADA	GREATER SHARDA SAHAYAK CAD PROJECT LUCKNOW, UTTAR PRADESH			
3	(a)	Name of State	UTTAR PRADESH			
	(b)	Districts	MAHOBA & HAMIRPUR			
	(c)	Blocks	KABRAI & MAUDHA			
4	Name, designation, address, fax and e-mail of :		NAME	POST	ADDRESS	PH.No.
	(a)	Secretary level	Sri Suresh Chandra	Principal Secretary	Irrigation & Water Resource Dept. LUCKNOW Govt. of U.P.	(0522) 2238416
	(b)	Administrator CADA	Sri K. Balaji	Commissioner & Administrator	Greater Sharda Sahayak Command, 23 C, Gokhale Marg, Lucknow	(0522) 4082141
	(c)	Add Administrator CADA	Sri. Satyabhan	Add. Administrator	do	(0522) 4082140
	(d)	Add /Jt Director/Dy. Director(H.Q.)	Sri Ugrasen Sahi	Joint Director (H.Q.)	do	(0522) 4082134
			Sri V.K. Upadhyay	Joint Director (H.Q.)	do	(0522) 4082134
	(e)	Organizational Structure	Enclosed at Annexure No. - 11a.1			
5	Financial source of the project at State level- Whether State funds or through loans or through corporations.		STATE FUNDS			
6	Estimated cost of the CAD project as originally envisaged at the time of inclusion under CAD programme.		Rs.18896.637 lakh			
7	Has the CAD project executed through Foreign assistance at any stage		No			
8	(a)	Area served by the Command in Th. Ha.:	54.087			
	(b)	Gross Area of the Irrigation Project (Design)	67.581			
	(c)	CCA of the Irrigation project (Design)	54.087			
	(d)	Ultimate Irrigation Potential (Design)	44.381			
	(e)	Irrigation Potential created at the time of Inclusion under CADP	Nil			
	(f)	Irrigation Potential utilised at the time of inclusion under CADP	Nil			
	(g)	CCA/IP	At Inception (ha.)	Target 2017-18 (ha.)	Target 2018-19 (ha.)	Target 2019-20 (ha.)
		CCA included under the CADP	54087	10000	15000	29087
		Irrigation Potential created.	0	Canal is under construction		
		Irrigation Potential utilised.	0	Canal is under construction		
	Approximate year during which the irrigation potential is likely to be fully utilised.					

9	Physical Progress/Targets details (Th. Ha):										
	Activity	As per Design Report	Target 2017-18 (th.ha.)	Target 2018-19 (th.ha.)	Target 2019-20 (th.ha.)						
	Field Channel (th.ha.)	48.678	9.000	13.500	26.178						
	Micro-irrigation (th.ha.)	5.41	1.000	1.500	2.909						
	Total	54.087	10.000	15.000	29.087						
	Field Drain (th.ha.)	10.820	2.000	3.000	5.820						
10	Financial Progress/ Targets (Rs. Lakh):										
	Estimated cost:	Estimated Cost of CAD Works	Target Cost 2017-18	Target Cost 2018-19	Target Cost 2019-20						
		18896.637	3503.950	5236.925	10155.762						
11	Intensity of Irrigation (Crop season wise and annual)										
	(a) As projected in project Report			N.A.							
	(b) As envisaged after CAD			N.A.							
12	Cropping pattern (Area/Percent of CCA):						Area : ha.				
	Cropping pattern (Area/Percent of CCA):						Area : ha.				
	Crop name	As envisaged in the Project Report				Present (Total blocks under Arjun Sahayak System)					
		Kharif	Rabi	Perennial	Total	Kharif	Rabi	Perennial	Total		
	Paddy	11000			11000	14			14		
	Jowar				0	2683			2683		
	Soyabeen	3463			3463	0	0	0	0		
	Groundnut	4500			4500	4095			4095		
	Wheat		9872		9872		34771		34771		
	Gram		8314		8314		33362		33362		
	Pea		4400		4400		15114		15114		
	Lentil		2832		2832		16277		16277		
	Total	18963	25418	0	44381	6792	99524		106316		
13	Whether consolidation of holdings would be necessary, if so, is there an enabling/ compulsory legislation. Status of consolidation of holdings in the State.						There is a separate Department of Consolidation in the State which looks after the consolidation of holding as per necessity.				
14	Is it proposed to set up a new Command Area Development Authority (for new projects), if so						NO. Already Greater Sharda Sahayak CAD Authority/ Project is existing which is governed by "The UTTAR PRADESH AREA DEVELOPMENT ACT 1976"				
	(a)	The year by which this would be done.									
	(b)	What is likely level of appointment to the post of Administrator/Chairman.						A senior member of the Indian Administrative Services/Provincial Civil Services already appointed .			
	(c)	Proposed Organisation structure.						Existing Organisation Structure is enclosed at Annexure No.- 11a.1			
15	Area affected by waterlogging (ha.)/ salinity/alkalinity and indicate the norms for taking areas										
	(a)	Any projects been taken up in the past? It so provide details of works included and									
	(b)	Extended of balance area to be covered.									
	(c)	Area proposed to be covered during XII plan									

16	(a)	Range of other activities to be undertaken under the CAD programme (please indicate	
	i)	Consolidation of holding	Yes (With the Co-ordination of Consolidation Deptt.
	ii)	Roads	No.
	iii)	Regulated markets	Yes
	iv)	Modernisation of the system	Yes
	v)	Processing industries	No.
	vi)	Change in cropping pattern/practices	Yes (With the Co-ordination of Agriculture Deptt.)
	vii)	Intensive Agriculture Extension	Yes (With the Co-ordination of Agriculture Deptt.)
	viii)	Other (Specify)	nil
	(b)	Present status of above CAD activities.	Nil
17		Information regarding small/marginal farmers:	
	(a)	Total CCA	54087 ha.
	(b)	Area held by marginal farmers (upto 1.00 ha.)	12586 ha.
	(c)	Area held by small farmers (upto 1.01 to 2.00 ha)	3776 ha.
	(d)	Percentage of marginal holdings to total number of holdings.	13.76%
	(e)	Percentage of small holdings to total number of holdings.	20.09%
18	i)	What is the percentage of total population of Scheduled Tribes in the command area.	24.57%
	ii)	What is the percentage of total population of Scheduled Castes in the command area.	13.67%
19		Whether irrigation component of the Project has been cleared by Planning Commission, if so the letter no. and date of clearance.	16/27/2009-P.A./1994-2033 dated 26.10.2009
20		Whether CAD component of the Project has been cleared by Planning Commission, if so date of clearance.	No.
21		Whether provision for taking up of the project has been made in the 13th plan.	No.
22		Whether the project report along with the related maps has been enclosed or not along with above data.	Related maps has been enclosed along with data .
23		Total time required for completion of CAD Project.	2019-20
24		Cost of the CAD Project as proposed and year-wise and Plan-wise phasing of expenditure.	Rs. 18896.637lac (Enclosed at Annexure 11b.2)

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ANNEXURE-3

Memorandum of Understanding (MoU) between the Ministry of Water Resources, RD & GR Government of India and Government of Uttar Pradesh for completion of Arjun Sahayak Pariyojana CAD&WM Project.

(This supersedes the earlier MOU dated for mentioned project)
(Delete if not applicable)


1. This MoU is made between the Ministry of Water Resources, RD & GR, Government of India and the Government of Uttar Pradesh for the completion of Arjun Sahayak Pariyojana CAD&WM Project (henceforth referred as 'Project') from 2019-20 to 2021-22 which was included under CAD&WM Programme of PMKSY for central assistance.
2. According to the State Government, the expenditure up to 3/2016 is Rs -- crore and -- ha (New Project) of CCA has already been covered. The balance cost for completion of the project is thus Rs. - crore with a balance CCA of - ha. Thus full CCA of 44.381 ha. will be completed with an estimated cost of Rs. 155.37 crores. Annual physical and financial targets for balance CCA under different activities of the project from the year 2019-20 to 2021-22 are as shown at **Annexure -VA**. Year-wise Central and State share are at **Annexure -VB**.
3. Ministry of Water Resources RD&GR, Government of India agrees to extend total Central Assistance of Rs. 77.87 crore staggered over the period starting from 2019-20 and till target completion year ending March 2022. The State Government shall keep budgetary allocation for the project in State budget accordingly so that the project is completed by its targeted date.
4. Information on year-wise targeted Irrigation Potential Created and Irrigation Potential Utilized of the Irrigation Project are as under:-

S. No	Year	Irrigation Potential Created/ Proposed to be created. (hect.)	Irrigation Potential Utilize Proposed to be Utilized. (hect.)	
			In CCA (ha.)	In IPU(ha.)
1.	Till 2015-16			
	2016-17			
	2017-18			
	2018-19			
	Total :-			

Note :- Irrigation potential details are enclosed.

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5. Brief description of project along with its salient features and maps as per Annexure- VC.
 6. The Project will be treated as complete on completion of CAD works and on handing over the control and management of irrigation system to the Water Users' Association. The State Government shall inform completion of project to CWC and Ministry of WR,RD&GR, for deleting the project from the list of ongoing Project.
 7. Funding of the Project has been arranged by borrowing from NABARD. If the State Government fails to complete the project as per time line mentioned in above Paras. or as per the revised time line approved by the Competent Level, the Central Assistance released for the project along with the cost incurred in borrowing the CA amount from NABARD shall be converted to loan to the State Government and shall be recovered as per usual terms of recovery of the Central loan.
 8. The project will be closely monitored by State Government and Central Water Commission, Ministry of Water Resources, RD&GR and NITI Aayog. Third party monitoring of the project will also be got carried out by Central Government! State Government for ensuring timely completion of project. The State Government shall provide all the assistance required to the monitoring team in this regard.
 9. The concerned State Government officers shall update the progress of project components on the MIS system (developed by this Ministry) in 1st week of each month.
 10. The State Government shall ensure strengthening of existing quality control mechanism and maintain required quality control in the execution of the works. The State Government. shall also ensure that all mandatory quality control checks and mandatory inspection by supervisory officers and quality control tests by field laboratories has been carried out. Periodical report of quality control will also be submitted to CWC.
 11. State shall give the project accounts audited by State AG regularly and submit the compliance. Copies of such audit report and compliance should be submitted to the CWC and Ministry.
 12. State Government shall hand over the project area to WUAs after completion of CAD works including correction of system deficiencies.
 13. The State Government shall deposit one time functional grant and one time infrastructural grant in the accounts of WUAs and ensure commencement of their effective functioning.
 14. Independent evaluation of project is mandatory and shall be carried out by State Governments through an independent agency and the report shall be submitted to CWC/ Ministry.
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15. The State Government shall provide all the support to the Ministry in respect of any information required on progress of project, expenditure incurred, Utilization Certificate in prescribed format, or any other details requested by this Ministry.
16. State Government agrees to undertake reform measures for strengthening of WALMI/IMTI, wherever applicable, as per guidelines. These institutes shall be involved in organization of demonstrations, adaptive trials and trainings to the Water Users' Associations of the project.
17. The Central assistance will be given in two installments as per the condition prescribed in the scheme guidelines.

Signed on the day 20 at New Delhi.

For and on behalf of the State Govt.

Principal Secretary
Irrigation and Water Resources
Government of Uttar Pradesh

(टी. वेंकटेश)
प्रमुख सचिव
सिंचाई, जल संसाधन एवं
परती भूमि विकास विभाग,
उत्तर प्रदेश शासन

For and on behalf of Govt. of India

Commissioner (CAD), Ministry of
Water Resources, RD&GR

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Memorandum of Understanding between the Ministry of Water Resources, RD & GR, Government of India and Government of Uttar Pradesh for completion of Arjun Sahayak Pariyojna, Irrigation Project under Priority-II, of Pradhan Mantri Krishi Sinchai Yojana.

- 1- This memorandum of understanding is made between the Ministry of Water Resources, RD & GR, Government of India and the Government of Uttar Pradesh for completion of ongoing Arjun Sahayak Pariyojna by December 2022 as two no. Railway crossing (one at ch. 26.200 Kabrai Main Canal and one at Km. 5.100 Sirolly Dy are still under progress.
- 2- The Arjun Sahayak Pariyojna, Irrigation Project was approved by erstwhile Planning commission in 2009 for Rs. 806.50 Cr. (2008 PL) for CCA of 149746 Ha, annually (Ultimate Irrigation Potential 59485 Ha) with targeted completion year as 3/2015. Out of targeted UIP of 59485 Ha, an irrigation potential of 41000 Ha (CCA= 149746 Ha) has already been created by December 2021. In addition to this provision of 20 MCM has been made from Project to supply drinking water to Mahoba.
- 3- According to the State Government, the latest estimated cost (gross) of the project is Rs 2593.93 Cr. at 2015 PL which has been approved on dated 08-07-2016 by Advisory Committee of Ministry of Water Resources, RD & GR, Govt. of India New Delhi. However Investment Clearance has not been accorded by Competent Authority. The gross expenditure on the Project up to March 2021 is Rs.2592.01 Cr. Cost of the project has been enhanced to Rs. 2593.93 and additinal G.S.T. 61.42 Cr. thus making Cost of Project Rs. 2655.35 Cr.
- 4- As on 1st April 2012, latest gross approved cost (by erstwhile Planning Commission) of the project was Rs. 806.50 Cr. at 2008 PL, out of which cost of components admissible under AIBP was Rs. 497.2014 Cr. Central Assistance admissible to the project as on 1st April 2016 is Rs. 132.408 Crore, by allowing maximum of 20% escalation on the latest approved cost (AIBP component) as on 1st April 2012. Any escalation beyond 20% of cost as on 1st April 2012, shall be borne by the State Govt. along with its own share in the project.
- 5- Ministry of Water Resources RD & GR, Government of India agrees to extend total Central assistance of Rs. 132.408 Cr. (Subject to provisions at para 4 above) staggered over the period starting from 2016-17 and till target completion year ending December 2022. The balance cost of Arjun Sahayak Pariyojna, Irrigation Project as on 1st April 2016 shall be borne by State Government along with further cost escalation as mentioned at para-4 above. The State Govt. shall keep budgetary allocation for the project in its budget accordingly so that the project is completed by its target date of completion of December 2022.

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Water User Association will be immediately constituted for each system (as per CAD guidelines of the ministry/PIM guidelines and procedures) and the same would be handed over to them for maintaining. CADWM work has been started and for this, seprate MoU shall be sent by CADA.

- 7- The Project has CCA of 1,49,746 Ha. Total irrigation potential to be created by completion of this Project is 59485 Ha. which includes new creation of 44381Ha. & restoration of 15104 Ha.

Total irrigation potential of this Project	IPC up to March 2022	IPU up to March 2021	IPU expected up to March 2022
59485 Ha.	41000 Ha.	30000 Ha.	36000 Ha.

- 8- The State Govt. shall inform completion of project to CWC, Ministry of Water Resources, RD & GR and NITI Aayog for deleting the project from the list of on-going projects. State Govt. shall also intimate the potential utilized on annual basis. The project will be treated as complete when 100% head works have been completed and 90% of targeted potential has been created by completion of at least 90% of distribution network, in case remaining components can not be completed due to insurmountable problems.
- 9- Funding of Arjun Sahayak Pariyojna has been arranged by borrowing from NABARD. If the State Govt. fails to complete the project as per time line mentioned in above paras, the Central Assistance released for the project along with the cost incurred in borrowing the CA amount from NABARD shall be converted in to loan to the State Government and shall be recovered as per usual terms of recovery of the Central Loan. Further, Central Govt. may stop the release of CA to the projects incase satisfactory progress as per targets is not achieved and Central Govt. shall not be liable to pay any further CA to the project.
- 10- The project will be closely monitored by State Govt. and Central Water Commission /Ministry of Water Resources, RD & GR / NITI Aayog. Third party monitoring of the project will also be got carried out by Central Govt. / State Govt. for ensuring timely completion of project. The State Government shall provide all the assistance required to the monitoring team in this regard.
- 11- The concerned State Government officers shall update the progress of project components on the MIS system developed by this Ministry on Weekly basis (i.e. shall be updated by Monday of each week)

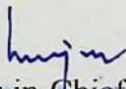
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- 12- The State Government shall ensure strengthening of existing quality control mechanism and maintain required quality control in the execution of the works. The State Govt. shall also ensure that all mandatory quality control checks and mandatory inspection by supervisory officers to field laboratories has been carried out. State government shall submit report of quality control whenever asked by CWC / MoWR, RD & GR.
- 13- The State shall get the project accounts audited by CAG regularly and submit the compliance. Copies of such audit report and compliance should also be submitted to this Ministry.
- 14- The State Government shall provide adequate fund for 10 years for maintenance of the projects under PMKSY.
- 15- Independent Concurrent Evaluation for AIBP component and CAD components is mandatory and will be carried out by State Government through an independent agency and the report shall be submitted to CWC / Ministry at the end of each financial year.
- 16- The State Government shall provide all the support to the Ministry in respect of any information required in respect of progress of project, expenditure incurred, utilization certificate in prescribed format or any other detail required by this Ministry.
17. Separate detailed MoU in respect of CAD component would be signed by State with MoWR, RD & GR containing elaborate details of CAD aspects.

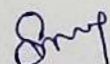
Signed on the day..... 2022 at New Delhi.


For and on behalf of the Govt. of Uttar Pradesh

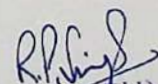
For and on behalf of Govt. of India


Engineer-in-Chief & HoD
I&WRD, U.P., Lucknow

Commissioner (State Projects)
Ministry of Water Resources, RD & GR


अधीक्षक अभियन्ता
सिंचाई निर्माण मण्डल
महोबा


अधीक्षक अभियन्ता
सोदहा बांध निर्माण खण्ड-प्रथम
महोबा


(R.P. Singh)
Chief Engineer (P.B.)
Irrigation & Water Resources
Department, U.P., Jhansi