



भारत सरकार
Government of India
केंद्रीय जल आयोग
Central Water Commission
नर्मदा बेसिन संगठन
Narmada Basin Organisation
प्रबोधन एवं मूल्यांकन निदेशालय, रायपुर
Monitoring & Appraisal Directorate, Raipur



क्र/No.3/1/2017/प्र.-मू. (रा)/54-62

दिनांक/Date: 11/01/2024

प्रति

मुख्य अभियंता (परियोजना प्रबोधन संगठन)

केन्द्रीय जल आयोग, सेवा भवन

नई दिल्ली।

विषय : प्रधानमंत्री कृषि सिंचाई योजना - कमांड एरिया डेवलपमेंट कार्यक्रम के अंतर्गत वित्त पोषित खारंग सिंचाई परियोजना, छत्तीसगढ़ का वर्ष 2023-24 का स्थिति प्रतिवेदन।

महोदय,

प्रधानमंत्री कृषि सिंचाई योजना - कमांड एरिया डेवलपमेंट कार्यक्रम के अंतर्गत वित्त पोषित खारंग सिंचाई परियोजना, छत्तीसगढ़ का दौरा दिनांक 01-02 दिसम्बर 2023 को किया गया। दौरे के दौरान परियोजना के अधिकारियों से चर्चा के आधार पर तैयार की गई वर्ष 2023-24 के स्थिति प्रतिवेदन की प्रति सूचना एवं आवश्यक कार्यवाही हेतु प्रस्तुत है।

संलग्नक : उपरोक्तानुसार

भवदीय

देवी शंकर गोयल
उप निदेशक

प्रतिलिपि:

- (1) निजी सचिव, सदस्य, जल योजना एवं परियोजनाएं, केन्द्रीय जल आयोग, सेवा भवन, आर के पुरम, नई दिल्ली।
- (2) सलाहकार, जल शक्ति मंत्रालय, नीति आयोग, योजना भवन, संसद मार्ग, नई दिल्ली।
- (3) आयुक्त (राज्य परियोजना), जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग, जल शक्ति मंत्रालय, नई दिल्ली।
- (4) आयुक्त (CADWM), जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग, जल शक्ति मंत्रालय, नई दिल्ली।
- (5) सचिव, छत्तीसगढ़ जल संसाधन विभाग, छत्तीसगढ़ शासन, महानदी भवन, अटल नगर, नवा रायपुर।
- (6) प्रमुख अभियंता, छत्तीसगढ़ जल संसाधन विभाग, शिवनाथ भवन, अटल नगर, नवा रायपुर।
- (7) मुख्य अभियंता, हसदेव बेसिन, छत्तीसगढ़ जल संसाधन विभाग, बिलासपुर।
- (8) निदेशक (प्रबोधन मध्य निदेशालय), केन्द्रीय जल आयोग, सेवा भवन, नई दिल्ली।

भारत सरकार
GOVERNMENT OF INDIA

केन्द्रीय जल आयोग
CENTRAL WATER COMMISSION



प्रधानमंत्री कृषि सिंचाई योजना के अंतर्गत सिंचन क्षेत्र विकास और जल प्रबंधन
(UNDER PMKSY-CADWM & WATER MANAGEMENT)

प्रबोधन स्थिति प्रतिवेदन (2023-24)
Monitoring Status Report (2023-24)

खारंग परियोजना, छत्तीसगढ़
KHARUNG PROJECT, CHHATTISGARH



प्रबोधन एवं मूल्यांकन निदेशालय, रायपुर
MONITORING & APPRAISAL DIRECTORATE, RAIPUR

नर्मदा बेसिन संगठन
NARMADA BASIN ORGANISATION

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ABBREVIATIONS

AIBP	Accelerated Irrigation Benefit Programme
BCM	Billion Cubic Meter
CA	Central Assistance
CADWM	Command Area Development & Water Management
CCA	Culturable Command Area
CLA	Central Loan Assistance
CUMECS	Cubic Meter per Second
CWC	Central water Commission
DM	Direct Minor
DoWR,RD& GR	Department of Water Resources, River Development& Ganga Rejuvenation
DWC	Double Wall Corrugated
EC	Estimated Cost
FC	Field Channel
Ha	Hectare
HDPE	High Density Polyethylene Pipe
IP	Irrigation Potential
IPC	Irrigation Potential Created
IPU	Irrigation Potential Utilised
KM	Kilometer
LA	Land Acquisition
LBC	Left Bank Canal
LTIF	Long Term Irrigation Fund
M	Meter
MCM	Million Cubic Meter
MI	Minor Irrigation
M &A	Monitoring & Appraisal
MJS	Ministry of Jal Shakti
MoEF	Ministry of Environment& Forest
NABARD	National Bank for Agriculture & Rural Development
NBO	Narmada Basin Organisation
PL	Price Level
PMKSY	Pradhan Mantri Krishi Sinchai Yojna
RBC	Right Bank Canal
RD	Reduced Distance
R & R	Resettlement & Rehabilitation
RCE	Revised Cost Estimte
SDO	Sub Divisional Officer
TEC	Total Estimated Cost
UIP	Ultimate Irrigation Potential
WRD	Water Resource Department
WUA	Water User Association

REFERENCE SHEET

1. A chronicle indicating the dates of past monitoring visits made and status report issued under AIBP/CADWM may be given as under:

Sl. No.	Date of previous visit	Report Number	Date of issue of the report
1	15 to 16 July 2021	3/1/2017/M&A(R)/245-253	03/09/2021
2	27 to 28 November 2022	3/1/2017/M&A(R)/663-671	16/12/2022

2. Details of present visit including dates of visits, Central & State Govt. Officers participating in the visit, and their designation and mobile numbers may be given as under:

Sl. No.	Date of visit	Name of Central & State Govt. Officers Participating in visit	Designation & Organisation	Mobile No. / Email
1.	01-02/12/2023	Shri A. K. Somawar	Chief Engineer, Hasdev Basin, WRD, Bilaspur	9425542403 cehb@cgwrd.in
2.		Shri Sanjay Kumar Gangwar	Director (M&A), CWC, Raipur	9650675666 dirmabhopal-cwc@nic.in
2.		Shri D. S. Goyal	Deputy Director (M&A), CWC, Raipur	9718401007 dirpdbhopal-cwc@nic.in
3.		Shri Satish Saraf	Executive Engineer, Kharung Project, Bilaspur	9407698836 eekwrbsp@cgwrd.in
4.		Shri R. R. Sarvey	Sub-Divisional Engineer, Kharung Project, Bilaspur	7974428158 rrsarvey@gmail.com
5.		Shri S.K. Singh	Sub Engineer Kharung project, Bilaspur	9407778500
		Shri Anupam Dube	Sub Engineer Kharung project, Bilaspur	9407778500
6.		Shri H.C. Verma	Sub Engineer Kharung project, Bilaspur	9993528670

3. Details of places, project components, irrigation structures & activity visited may be given date-wise as under:

Sl. No.	Date of visit	Location	Component (AIBP/ CADWM)	Structures/Activity covered
1.	01-02/12/2023	R.D. 1920 m. of Kewtadih Distributary of Kharung Tank Scheme	CADWM	Discussion with WRD officials of GoCG
2.		R.D. 2520 m. of Kewtadih Distributary of Kharung Tank Scheme	CADWM	Discussion with WRD officials of GoCG

3.		R.D. 30 m. of Jondhara minor of Kharung Tank Scheme	CADWM	Discussion with WRD officials of GoCG
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EXECUTIVE SUMMARY

Kharung Tank project of Chhattisgarh is very old project and its canal system is in operation since 1930 in the areas of Ratanpur, Masturi and Bilaspur Tehsil of Bilaspur district of Chhattisgarh. Kharung project is located at latitude 22⁰17’22” N and longitude 83⁰13’30” E in Tehsil and District Bilaspur, Chhattisgarh.

The project authorities have prepared ERM proposal of the project under PMKSY-AIBP which comprised of cement concrete lining in the bed as well as on sides of the canal system. The work under AIBP is completed in 2015-16 and desired potential has been created. The area irrigated after ERM is 56,300 ha {40,500 ha existing Kharif + 8,300 ha Kharif (additional) + 7,500 ha Rabi (additional)}. The project was included in AIBP-ERM for CCA of 8,300 ha with annual irrigation of 10,300 ha (8,300 ha Kharif and 2,000 ha Rabi (5500 ha Rabi created before inclusion under AIBP)).

This project providing irrigation facilities in 56285 Ha of CCA in District Bilaspur, through two nos. of canal system RBC & LBC.

S. No.	Name of Main Canals	Offtake	Length of Canal (in KM)	Discharge (Cumec)	CCA (Ha)	Annual Irrigation (Ha)	Districts Benefitted
1	2	3	4	5	6	7	8
1	Left Bank Canal	Left flank of Kharung Dam	76.20	36.76	9960	Rabi: 7500, Kharif: 48785	Bilaspur
2	Right Bank Canal	Right flank of Kharung Dam	27.38	6.38	56442		Bilaspur
	Total				66402	56285	

Block wise Cultivable command area is as under

S. No.	Districts	Blocks	CCA in Ha
1	2	3	4
1	Bilaspur	Kota	11294
2	Bilaspur	Masturi	33065
3	Bilaspur	Bilha	22043
	Total		66402

The work under AIBP is completed in 2015-16 and desired potential has been created. Project authority had been submitted the completion certificate of the ERM project under PMKSY-AIBP in 11/2021.

The works under CADWM component of Kharung Project is ongoing. Therefore, the status report in respect of CADWM works of the project is presented here.

STATUS OF CADWM COMPONENTS

STATUS OF CADWM COMPONENT

1. Project Summary:

The component of CADWM works of Kharung Project have been included under AIBP/PMKSY vide MoWR letter No.19011/24/2017-CADWM Dated 27 June 2017. Approved cost of CADWM work is to the tune of Rs. 33.1828 Crore to cater to the CCA of 8300 Ha with annual irrigation of 10300 Ha (8300 Ha Kharif and 2000 Ha Rabi).

As per MoU submitted by the CAD, WRD, GoCG, the details of activities proposed, activities completed and activities balance are as under:

S. No.	Activities under CADWM	Proposed in DPR at the time of inclusion	Status as on 12/2023	
			Completed	Balance
1	Survey and planning (Ha)	8300	5150	3150
2	Construction of Field channel (Ha)	7470	3692	3778
3	Land levelling (Ha)	0*	0*	0*
4	Micro irrigation (Ha)	830	220	610
5	Construction of Field drains (Ha)	0*	0*	0*
6	Correction of system deficiency (Ha)	1660	0	1660
7	Reclamation of water logged area (Ha)	0*	0*	0*
8	One time Functional grant (Ha)	8300	0	8300
9	Infrastructural grants (No.)	10	-	-
10	Software activities (Adaptive trails) (Ha)	8300	0	8300

* The CADWM works is proposed to be executed by Under Ground Pipe Line (UGPL) system, hence activities like Land levelling, construction of field drains, reclamation of water logged area are not applicable.

As per the MoU signed by State Govt, the CADWM works are proposed by half round pipe in open channels, but presently the works is proposed to be executed by Under Ground Pipe Line (UGPL) system. The old estimated cost of CADWM (approved in 2017 by open field channel) as per MoU is Rs. 33.1828 Crores. Presently for UGPL State Govt has accorded Administrative approval for the revised cost of Rs. 32.9735 Crore vide Letter No 2541/F-7-24/31/S-2/2017 Dated 14/06/2021. The proposal of CADWM works under UGPL was submitted by project authority and the revised cost of the works, based on the quantity and rates proposed as per the guidelines is worked out by M&A, Directorate, Central Water Commission, Raipur as Rs. 28.9554 Crores which is given at **Annexure IV**.

According to the State Government, the expenditure for CADWM works of Kharung project upto 12/2023 is Rs. 991.64 lakh. The balance cost for completion of project as per revised cost of UGPL considered under CADWM is thus Rs. 1903.9 Lakh. The funding pattern is in the ratio of 49.85 (CS): 50.15 (SS).

2. STRUCTURAL INTERVENTIONS AS BEING EXECUTED

The detailed tabulated information is given as **Annexure-I**.

3. NON-STRUCTURAL INTERVENTIONS AS BEING EXECUTED

The detailed tabulated information is given as **Annexure-II**.

4. Change in scope if any:

Initially approval for CADWM works was accorded for conventional system of open half round pipe. In later stage State Govt. decided to execute the works with UGPL system with UPVC pipe due to its durability, reliability and better water conveyance efficiency; and the Revised Administrative Approval (RAA) was taken for the same by project authority. There is no change in the scope of work reported by project authority.

5. Organisational set up for the Project:

The CADWM work is done at field level by the same division and sub division which are executing the AIBP work under PMKSY. The project is under the control of Chief Engineer, Hasdev Basin, Bilaspur assisted by Superintending Engineer, and who in turn assisted by an Executive Engineer. The organization setup is at **Annexure-III**.

6. Overall assessment regarding project completion:

The physical and financial targets for completion of Kharung Project under CADWM works is given as **Annexure-IV**. The details of Central Share and State Share targets for completion of Kharung CADWM works is given as **Annexure-V**. The progress of structural interventions and non-structural interventions are given at **Annexure-VI** and **Annexure-VII** respectively.

7. Contractual Arrangement:

During the visit, it was informed that the CADWM works of Kharung project is under execution in three packages. Out of three packages one is being executed by M/s M. B. Construction Company, Ahmedabad second is being executed by M/s R.P.G. Infrastructure, Jagdalpur and third is being executed by M/s Mahindra EPC Irrigation limited, Raipur which are given the work order by Executive Engineer, Kharung Water Resources Division,

Bilaspur. The work is executed under the technical supervision of concerned Sub Engineer and Assistant Engineer who supervise the AIBP work of the corresponding area.

8. Construction Planning and Scheduling:

The details are same as per SI No. 6 above.

9. Quality Assessment:

In the execution of works, all UPVC pipes and fittings are tested by CIPET Raipur and the quality of all civil construction materials are assessed by Quality unit of Water Resources Department located at Sakti, Bilaspur.

10. Physical & Financial Programme and Progress:

(A) Financial Progress:

Upto FY 2022-23, the expenditure of Rs. 963.84 Lakhs has been incurred on the CADWM works. During FY 2023-24, upto the month of 12/2023, expenditure of Rs. 27.80 Lakh has been made against the budget provision of 1500.00 Lakh. Total expenditure made upto 12/2023 is Rs. 991.64 Lakh. The year wise Central Assistance released and expenditure incurred is given at **Annexure VIII**.

Sl. No.	Agency	Share (%)	Revised Amount for UGPL (Cr.)	Expenditure Incurred (Cr.)		Central Assistance Released upto 12/2023 (Cr.)
				upto 03/2023	upto 12/2023	
1	Central Government	49.85	14.4333	4.9582	4.9582	4.9582 (released in 02/2018)
2	State Government	50.15	14.5221	4.6802	4.9582	
3	Others (if any)	-	-	-		
Total		100	28.9554	9.6384	9.9164	4.9582*

*Central Assistance proposal for release of first installment of Rs. 187.5 Lakh for 2023-24 has been submitted to DoWR, RD & GR (SPR wing) vide letter No. 3/4/2017/M&A(R)/591-92 Dated 10/10/2023, which is under process with ministry.

(B) Physical Progress:

As per the MOU signed by Govt of Chhattisgarh, the CADWM works is to be carried out in two years. Out of 7470 Ha CCA (total CCA 8300 Ha - 830 Ha Micro irrigation) to be developed under CADWM, field channels are constructed in an area of 2850 ha CCA till date. It is reported that against the target of 830 Ha, 220 Ha of Micro irrigation facility has been created. The total expenditure upto December 2023 reported by project authority is Rs. 9.9164 crore. The physical and financial progress reported by project authority is very less when compared with the targeted.

Ten (10) Water User Associations (WUA) are supposed to entrust to share the responsibility of operation and maintenance of canal system in their command for equitable

water distribution among farmers. Presently all the WUAs are defunct due to not conduction of elections. The details of WUAs in Kharung project under PMKSY-CADWM is given below.

Sl No.	Name of WUA	WUA code	Construction of field channel area in Ha	Package	Area of Micro-irrigation	Field channel constructed area in Ha	Micro-irrigation area constructed in Ha
1.	Bahatara	0341017	900	(I) with total CCA of 2200 ha	Area of Micro-irrigation will be identified after completion of survey and planning		-
2.	Bhatchoura	0341018	900				220
3.	Kukurdikera	0341019	400				-
4.	Loharsi	0341022	850	(II) with total CCA of 2950 ha			-
5.	Sone	0341023	1050				-
6.	Jondhara	0341024	1050				
7.	Khamtarai	0341029	400	(III) with total CCA of 3150 ha			
8.	Birkona	0341028	950				-
9.	Khamariya	0341004	950				-
10.	Gudi	0341005	850				-
	Total		8300		830	3692	220

11. POINTS NEEDING ATTENTION

- (i) The progress of Survey and Planning reported is only 5150 Ha out of the target of 5000 Ha in first year and 3300 Ha for second year. Being second year of the progress, the achievement has big lag. Due to slow progress of Survey and planning, the works related to construction of field Channel and Micro-irrigation etc may be delayed. Hence project authority is requested to expedite the progress for timely completion of works of CADWM.
- (ii) The election of 33 Nos. WUA in the whole command of the project was conducted in 2007 for the tenure of five years say 2012 which was extended to 2015 and till then no. WUA are in function. As per the guidelines of DoWR, RD & GR, the formation/election of WUA is mandatory for proper management of CADWM works. In this regard State Govt. may expedite the process for election/formation of WUA. Also, State Govt. may device some alternate arrangement for handing over of UGPL CADWM works, until the election of WUA is conducted.
- (iii) Project authority is advised to have active participation of WUA/local farmers and beneficiaries during execution/testing of the CADWM work in order to increase the awareness among the farmers. In order to have awareness, a workshop may be carried out where the local elected representatives and beneficiaries may be invited.
- (iv) During the visit it is found that the offtake point at minor from where pipeline of CADWM work is attached is not proper/sound. In the previous monitoring visit also, same issue was flagged. Project authority is advised to construct a proper outlet (culaba) to attach the pipeline.

- (v) Project authority is advised to pay extra attention and efforts so that chocking of pipelines should not take place. Placement of mesh/cover lid arrangement should be provided to prevent distribution well from garbage. Cleaning of well in frequent interval is also required for smooth and efficient functioning of the system. In addition, project authority is advised to have provision of maintenance in the contract at least for 3 years.
- (vi) Project Authority must ensure the quality of pipes and valves being used in CADWM work. Also project authority need to ensure the safety and security of the valves and fittings used in CADWM works.
- (vii) No progress of Micro irrigation component is reported. Project authority should incorporate sprinklers, rain guns, and pivots etc. as per the guidelines for micro irrigation.
- (viii) At the various locations of CADWM works, the display of name of the project, name of canal, numbering of the outlet etc should be done by project authority.

12. BOTTLENECKS

At present there are no major bottlenecks in the implementation of CAD&WM. However, it is observed that the progress of one package out of three is slow. Also the progress of Micro irrigation which should be at least 10% of the total CCA is little slow. The elections/formation of WUA needs special attention of State Govt. Handing over of UGPL CADWM works to the beneficiaries is also need to be worked out.

ANNEXURES

ANNEXURE-I

DETAILS OF STRUCTURAL INTERVENTION

Sl. No	Distrib ut ory Name	Minor Name	Outle t No.	CCA of outlet (Ha)	Intervention-wise scope and achievement as on 12/2023											
					Total Field Channel Length (m) /Ha		Field Channel Lined (m)		Micro- Irrigation (Ha)		Land Leveling (Ha)		Field Drains (Ha)		Land Reclamation (Ha)	
					Planned	Executed	Planned	Executed	Planned	Executed	Planned	Executed	Planned	Executed	Planned	Executed
1	LBC and RBC system			8300	293 km	123.9 km	All field channels are by UGPL		830	220	NA		NA		NA	

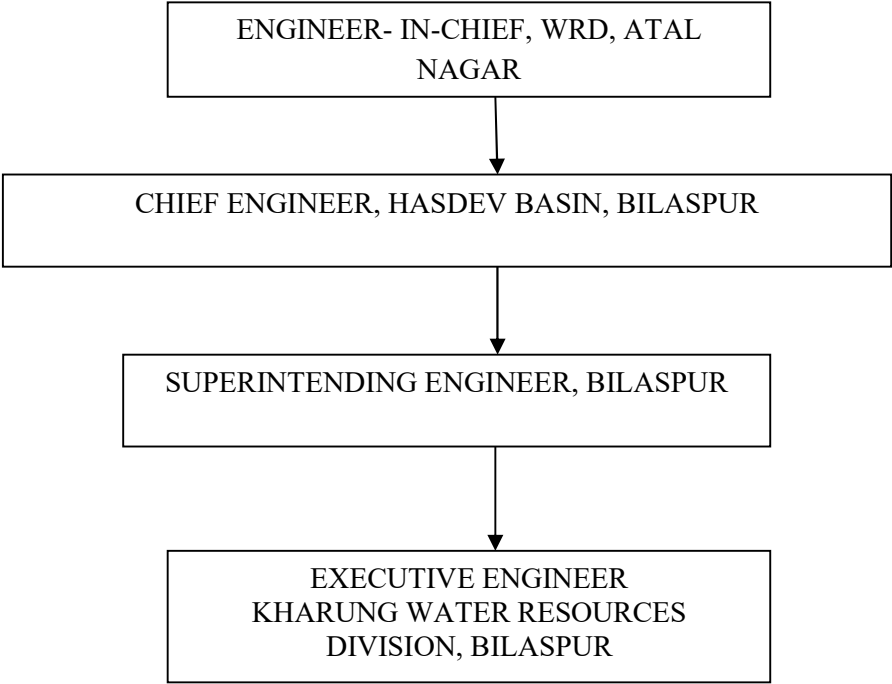
The CADWM works is proposed to be executed by Under Ground Pipe Line (UGPL) system, hence activities like Land levelling, construction of field drains, reclamation of water logged area are not applicable.

ANNEXURE-II

DETAILS OF NON STRUCTURAL INTERVENTION

Sl. No	Distributory Name	Minor Name	Information on WUAs			Functional Grant Information (lakhs)				Infrastructural Grant (lakhs)		
			No. of WUAs Proposed	No. of Outlets covered	CCA covered	Eligible grant	Central share	State Share	Farmers Share	Eligible grant	Central Share	State Share
1.	LBC & RBC system		10	120	8300	99.60	44.82	54.78	-	30.00	15.00	15.00

ORGANISATIONAL SETUP FOR THE PROJECT



ANNEXURE-IV

Physical and financial targets of Kharung CADWM Works (REVISED FOR UGPL)

S. No.	Activities	Total		First Year		Second Year	
		Physical	Financial (Lakh)	Physical	Financial (Lakh)	Physical	Financial (Lakh)
I. Structural Intervention							
a.	Survey, Planning, Design (Ha)	8300	99.60	5000	60.00	3300	39.60
b.	OFD works:						
	Field channel (Ha)	7470	1871.24	3735	935.617	3735	935.617
	Land levelling (mechanised/laser) (Ha)	0*	0*	0*	0*	0*	0*
	Micro irrigation (Ha)	830	415	415	207.50	415	207.50
c.	Field, intermediate and link drains (Ha)	0*	0*	0*	0*	0*	0*
d.	Correction of system deficiency (Ha)	1660	132.80	830	66.40	830	66.40
e.	Reclamation of water logged area (Ha)	0*	0*	0*	0*	0*	0*
Total Structural Intervention			2518.64		1269.517		1249.117
II. Non-Structural Interventions							
f.	Farmers Participation:						
	Functional grant (Ha)	8300	99.60	4150	49.8	4150	49.8
	Infrastructural grant (No.)	10	30.00	-	15.00	-	15.00
g.	Software Activity						
	Training, Demonstration/Adaptive Trials, Evaluation Study	-	5.40	-	2.70		2.70
h.	Assistance to WALMIs	-	-	-	-	-	-
i.	Establishment	-	241.90	-	120.95	-	120.95
j.	Warabandi	-	-	-	-	-	-
Total Non-Structural Intervention			376.90		188.45		188.45
Grand Total (Structural + Non Structural Interventions)			2895.54		1457.967		1437.567

Central Share and State Share for completion of Kharung CADWM Works (REVISED FOR UGPL)

S. No.	Activities	Total (Rs. in Lakh)		First Year (Rs. in Lakh)		Second Year (Rs. in Lakh)	
		State Share	Central Share	State Share	Central Share	State Share	Central Share
I.Structural Intervention							
a.	Survey, Planning, Design (Ha)	49.8	49.8	30.00	30.00	19.8	19.8
b.	OFD works:						
	Field channel (Ha)	935.62	935.62	467.81	467.81	467.81	467.81
	Land levelling (mechanised/laser) (Ha)	0*	0*	0*	0*	0*	0*
	Micro irrigation (Ha)	207.5	207.5	103.75	103.75	103.75	103.75
c.	Field, intermediate and link drains (Ha)	0*	0*	0*	0*	0*	0*
d.	Correction of system deficiency (Ha)	66.4	66.4	33.2	33.2	33.2	33.2
e.	Reclamation of water logged area (Ha)	0*	0*	0*	0*	0*	0*
Total Structural Intervention		1259.32	1259.32	634.76	634.76	624.56	624.56
II.Non-Structural Interventions							
f.	Farmers Participation:						
	Functional grant (Ha)	54.78	44.82	27.39	22.41	27.39	22.41
	Infrastructural grant (No.)	15.00	15.00	7.5	7.5	7.5	7.5
g.	Software Activity						
	Training, Demonstration/Adaptive Trials (No.), Evaluation Study	2.16	3.24	1.08	1.62	1.08	1.62
h.	Assistance to WALMIs	-	--	-	-	-	--
i.	Establishment	120.95	120.95	60.475	60.475	60.475	60.475
j.	Warabandi	-	-	-	-	-	-
Total Non Structural Intervention		192.89	184.01	96.445	92.005	96.445	92.005
Grand Total (Structural + Non Structural Interventions)		1452.21	1443.33	731.205	726.765	721.005	716.565

ANNEXURE-VI

PROGRESS OF STRUCTURAL INTERVENTIONS

A. Field Channel.

S.No.	Outlet No.	Minor	Distributary	CCA of Outlet	Field Channel Constructed (m)			Khasara/ plot no. covered	Actual Area being irrigated	Actual expenditure Rs. in Lakh
					Lined field Channel	Unlined field channel	Total Field Channel			
1	LBC & RBC system			8300	All field Channels are proposed by Under-Ground Pipe Line system consists of total length of 293 km out of which 123.9 km length has been constructed.			-	2200	991.64

B. Micro Irrigation

S.No	Outlet No.	Minor	Distributary	Area planned under MI	Area completed under MI			Remarks
					Creation of MI infrastructure	Drip/Sprinkler installation by Farmer	Drip/Sprinkler installation through convergence	
1.	LBC and RBC System			830 Ha	220 Ha	Nil		

C. Land Levelling

S.No	Outlet No.	Minor	Distributary	Area completed under Land Levelling				Actual expenditure in Rs. Lakh
				Manual Land Levelling	Mechanized Land Levelling	Total Land Levelling	Khasara/plot Nos. Covered	
The CADWM works is proposed to be executed by Under Ground Pipe Line (UGPL) system, hence activities like Land levelling is not required.								

D. Drainage Work

S.No	Outlet No.	Minor	Distributary	Area Completed under Drainage Works		Total Area Benefitted (Ha)	Actual expenditure in Rs. Lakh
				Length of Field Drains (m)	Length of Connecting Drains (m)		
The CADWM works is proposed to be executed by Under Ground Pipe Line (UGPL) system, hence Drainage work is not required.							

E. Reclamation of Water Logged Area

S. No	Outlet No.	Minor	Distributary	Area Completed under Land Reclamation Works				Actual expenditure in Rs. Lakh
				Length of Subsurface drain (m)	Length of Surface drain (m)	Total Length of Drains (m)	Total Area Benefitted (Ha)	
The CADWM works is proposed to be executed by Under Ground Pipe Line (UGPL) system, hence Reclamation of Water Logged Area is not required.								

PROGRESS OF NON STRUCTURAL INTERVENTIONS

Sl.No	Distributary	Minor	Nos. of WUA	Number of outlets	CCA Covered	Total No. of Members	Amount of functional grant deposited	Amount of Infrastructural grant deposited	No. of Trainings imparted	No. of Members Trained	Control & Management Taken over (Y/N)
1.	LBC and RBC, system		10	120	8300	After Elections of WUA grant will be deposited					Y

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Year wise Central Assistance released and expenditure incurred in Kharung CAD&WM Works by UGPL

Revised cost of the project by UGPL is Rs. 2895.54 Lakh

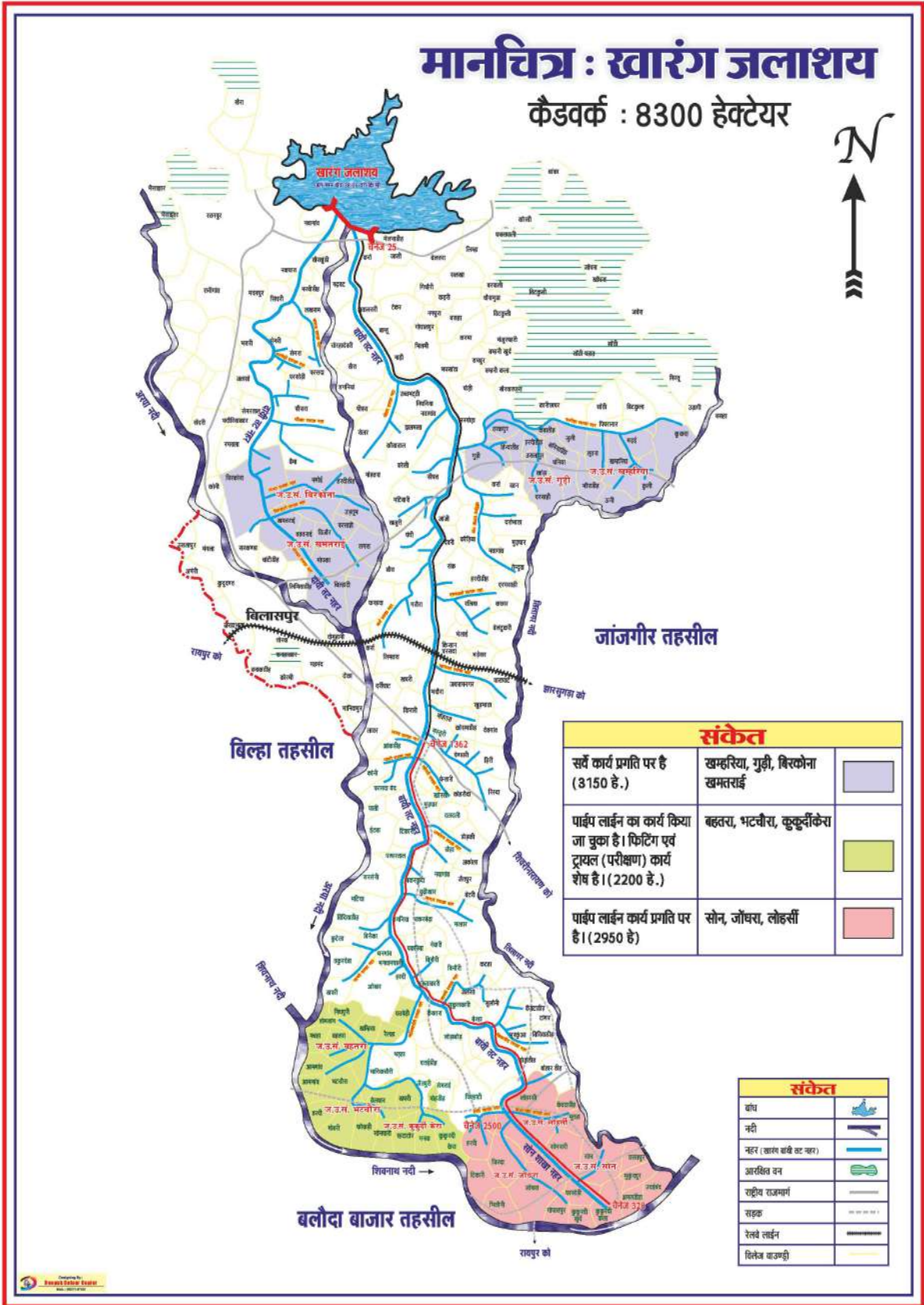
(Rs. In lakh)		
Year	CA (Grant) released	Expenditure
2017-18	495.82	0.00
2018-19	0.00	0.00
2019-20	0.00	0.00
2020-21	0.00	400.63
2021-22	0.00	416.61
2022-23	0.00	146.60
2023-24 (Upto 12/2023)	0.00*	27.80
Total	495.82	991.64

*Central Assistance proposal for release of first installment of Rs. 187.5 Lakh for 2023-24 has been submitted to DoWR, RD & GR (SPR wing) vide letter No. 3/4/2017/M&A(R)/591-92 Dated 10/10/2023, which is under process with ministry.

Location Map

Plate I







**Offtake well for CADWM with connection to Kewtadih Dy. canal at RD 1920 m
(feeder canal for CADWM)**



Project information Board of CADWM work in kewtadih Dy. near RD 1920 m



Turnout well for CADWM in Kewtadih Dy.



Turnout Well for CADWM at Jondhra minor