



सत्यमेव जयते

भारत सरकार

Government of India

केन्द्रीय जल आयोग

Central Water Commission

नांदूर मधमेश्वर-II (वृहद) संचाई परियोजना

Nandur Madhmeshwar-II (Major) Irrigation Project

प्रधानमंत्री कृषि सिंचाई योजना

कमान क्षेत्र विकास और जल प्रबंधन

Pradhan Mantri Krishi Sinchayee Yojna (PMKSY)

Command Area Development and Water Management (CADWM)



स्थिति प्रतिवेदन Status Report
2023-24

प्रबोधन (मध्य) संगठन
Monitoring Central Organisation
नागपुर Nagpur



प्रबोधन निदेशालय
Monitoring Directorate
नागपुर Nagpur

दिसम्बर December
2023

Nandur Madhmeshwar-II (Major) Irrigation Project, Maharashtra

Status report for FY 2023-24

Date of visit: 12-12-2023 to 13-12-2023

Details of officials from Central Water Commission and Project/State Government participated in the visit

(I)	Central Water Commission (CWC)	
1	Shri Karan Raghuvanshi, Monitoring Central Organisation, Nagpur	Deputy Director
(II)	Godavari Marathwada Irrigation Development Corporation (GMIDC)	
1	Shri Rakesh Gujare Irrigation Division, Vaijapur	Executive Engineer

Nandur Madhmeshwar-II (Major) Irrigation Project

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Nandur Madhmeshwar-II (Major) Irrigation Project

प्रतिवेदन में उपयोग किए गए संक्षिप्त अक्षर Abbreviations Used in the Report

Abbreviation	Description
AIBP	Accelerated Irrigation Benefits Programme
CA	Central Assistance
CADWM	Command Area Development & Water Management
CCA	Cultural Command Area
DO	Direct Outlet
d/s	Down Stream
DoWR, RD & GR	Department of Water Resource, River Development & Ganga Rejuvenation
Dys.	Distributaries
EIA	Environment Impact Assessment
Estd.	Estimated
Exp.	Expenditure
FTPC	Fast Track Proforma Clearance
FRL	Full Reservoir Level
GCA	Gross Command Area
GoI	Government of India
GoM	Government of Maharashtra
ha	Hectare
ICA	Irrigable Command Area
ICPO	Irrigation cum Power Outlet
IP	Irrigation Potential
IPC	Irrigation Potential Created
IPU	Irrigation Potential Utilisation
LBC	Left Bank Canal
LIS	Lift Irrigation Scheme
MCM	Million Cubic Meter
MoJS	Ministry of Jal Shakti
MoU	Memorandum of Understanding
MoWR, RD & GR	Ministry of Water Resource, River Development & Ganga Rejuvenation
PAF	Project Affected Families
PAP	Project Affected Population
PDN	Pipe Distribution Network
PL	Price Level
PMKSY	Prime Minister Krishi Sinchayee Yojana
R&R	Resettlement and Rehabilitation
RAA	Revised Administrative Approval
RCE	Revised Cost Estimate
RBC	Right Bank Canal

Abbreviation	Description
RD	Reduced Distance
TCM	Trillion Cubic Meter
Th cum	Thousand Cubic Meter
u/s	Up Stream
UIP	Ultimate Irrigation Potential
VRB	Village Road Bridge
WUA	Water User Associations

Nandur Madhmeshwar-II (Major) Irrigation Project

Status Report 2023-24

The project was visited by Shri Karan Raghuvanshi, Deputy Director, Monitoring Directorate, MCO, CWC, Nagpur on 12.12.2023 to 13.12.2023. This status report is based on site visit & inputs/materials provided by the project authorities during the visit and discussion.

1.0 Projects Components being Executed

Nandur Madhmeshwar Irrigation Project is located in the Godavari river basin. It envisages construction of four dams namely Mukane, Bhawali, Waki and Bham Dam in Igatpuri taluka and modernization of existing Nandur Madhmeshwar pickup weir in Niphad taluka of Nashik district. It is located in Godavari river basin.

Before the project is included in AIBP in 2006-07, Mukane dam was completed. Nandur Madhmeshwar Irrigation Project Phase-I (NM-I) was included under AIBP during the year 2006-07 with Bhawali Dam, modernization of Nandur Madhmeshwar (NM) Weir and NM express lined canal and its distribution network to develop irrigation potential of 45124 ha. Bham and Waki dam is included in the Phase-II in 2009-10 as Nandur Madhmeshwar Irrigation Project Phase-II (NM-II).

The project has following components

a) Mukane Dam- Mukane dam is a composite dam (1576 m length and 26.93 m height) with gross storage 139.76 MCM, live storage 122.48 MCM and dead storage as 17.28 MCM across river Aundha in Godavari Basin near village Mukane in Igatpuri Taluka of Nashik district. The work on the dam was started in 1986 and was completed in June 2006. It was completed before the project included under AIBP.



Mukane Dam

b) Bhawali Dam- It is 1157 m long and 31.28 m high composite dam with gross storage 44.75 MCM & live storage 40.79 MCM across river Darna in Godavari basin near village Bhawali in Igatpuri Taluka of Nashik district. Its work was started in April 1999 and completed in



Bhawali Dam

year 2010.

c) Modernization of existing Nandur Madhmeshwar pickup weir-Modernization of Existing Nandur Madhmeshwar Weir work is reported complete in year 2010. After Modernization, the weir is capable of feeding NM Express Canal to its fullest potential to irrigate 43860 ha of land.

d) Nandur Madhmeshwar Express Canal—The work of Nandur Madhmeshwar express canal completed in year 2010, which off-takes from left bank of the existing Nandur Madhmeshwar Pick-up Weir, 15.70 km Dd/s of existing Darna dam and it is of 125 km long fully lined canal with discharge capacity 31.03 Cumecs at the head. Two branch canals namely B1 & B2, each of 18 km length, off-takes at tail of NM express canal.

e) Waki Dam—The Waki dam is also a composite dam (1151 m-length and 34.45 m-height) with gross storage 58.45 MCM, live storage 55.95 MCM & dead storage 2.49 MCM across river Waki in Godavari basin near village Kurnoli in Igatpuri Taluka of Nashik district. The work on the dam started in December, 1999 and completed in 03/2017 including gate erection.

f) Bham Dam—The Bham dam is a composite dam (1462 m length and 33.97 m height) with gross storage 75.42 MCM, live storage 69.76 MCM & dead storage 5.56 MCM across Bham River, a sub-tributary of Godavari River near village Kaluste in Igatpuri Taluka of Nashik. The work on the dam started in 2007 and completed in 06/2018. The dam has un-gated weir type spillway.

The components under each phase are as follows:

Mukane storage dam across Aundha Nalla	Completed before AIBP
Bhawali storage dam across River Darna	Under AIBP Phase I
Nandur Madhmeshwar Pick-up Weir	Under AIBP Phase I
NM Express Lined Canal	Under AIBP Phase I
Waki storage dam across Waki nalla	Under AIBP Phase-II
Bham storage dam across Bham nalla	Under AIBP Phase-II

The location map and Index map of the project are given at **Plate-I & Plate-II**.

Salient features of the project are given at **Annexure-I**.

2.0 Techno-Economic Appraisal

The Nandur Madhmeshwar Irrigation Project initially approved by the Government of Maharashtra (GoM) for estimated cost of ₹48.70 crore in the year 1979. Erstwhile Planning Commission accorded approval for the project of an estimated cost of ₹72.66 crore in the year 1981 vide letter No 2(190)/ 801 & CAD dated 07.05.1981. Erstwhile Planning Commission accorded investment clearance for the revised estimated cost of ₹941.33 crore at price level 2008-09 vide letter No. 2(190)/2007-WR dated 17.04.2009.

Fast Track Proforma Clearance (FTPC) accorded by CWC, New Delhi on 13.09.2017 for revised estimated cost of ₹2210.59 crore at price level 2015-16. The cost of AIBP

component approved under FTPC is ₹686.97 crore excluding expenditure incurred of ₹50.58 crore before inclusion in ABIP.

3.0 Environmental and Forest Clearance

The conservation of project area environment by adhering to various safeguards is expected to be implemented *pari-passu* to the execution of the project. The Science and Technology Department, New Delhi cleared Nandur Madhmeshwar Project in 1980 and following safeguards were suggested:

- Extensive Afforestation in the catchment area.
- Compensatory Afforestation.
- Plantation along the canal banks.
- Pisciculture by Fisheries Department.
- Proper drainage in the Command Area.
- Development of tourism.
- Preventive measures of Malaria.

4.0 Inclusion In Accelerated Irrigation benefit Programme (AIBP)

The project has been declared completed by the Government of Maharashtra under PMKSY-AIBP vide letter dated 06.10.2021. The total irrigation potential (UIP) of the project is 45124 ha. As reported the entire UIP has been created and maximum irrigation potential utilisation 36045 ha.

The project is ongoing under PMKSY-CADWM and the progress under CADWM has been briefed below.

5.0 Command Area Development and Water Management (CADWM)



Erstwhile Ministry of Water Resources, RD & GR vide letter no.13-3/2008-CADWM/39 dated 18.02.2010 accepted the proposal for inclusion of Nandur Madhmeshwar (Major) Irrigation Project, Maharashtra for an estimated cost of ₹15333.28 lakh for balance area of 52864 ha (CCA). Subsequently, as per the MoU during FY 2011-12 the GoM had proposed balance area of 49864 ha (CCA) for estimated cost of

completion of the project as ₹135.23 crore for completion upto FY 2015-16 as 3000 ha CCA was already been covered before 03/2010. Later, as per the revised MoU during FY 2017-18 forwarded to DoWR, RD & GR, MoJS, the GoM proposed balance area of 49864 ha (CCA) for estimated cost of ₹147.84 crore. However, it was decided in the meeting held on 07.09.2017 chaired by Secretary, MoWR, RD&GR, New Delhi that ICA is to be considered against CCA for projects of Maharashtra State.

Accordingly as per the latest MoU submitted by GoM during FY 2023-24 with the Central Assistance proposal total area of 19179 ha ICA has been proposed to be completed including correction to system deficiency works on 40000 ha ICA with an estimated cost

of ₹107.33 crore with target date of completion as Mar-2025. The original cost as per FY 2010-11 MoU and revised balance cost as per FY 2017-18 MoU is given below.

SI No	Item	As per MoU 2010-11			Achievement (2010-2017)			Revised Target as per FY 2017-18 MoU	
		Physical (CCA Th. ha)	Physical (ICA Th. ha)	Financial (Lakhs)	Physical (CCA Th. ha)	Physical (ICATh. ha)	Financial (Lakhs)	Physical (ICATh. ha)	Financial (Lakhs)
Structural Interventions									
1	Survey, Planning, Design	27.44	22.77	238.80	26.75	22.02	0.00	0.75	9.00
2	OFD works	-	-		-				
a)	Construction of unlined Field Channels	49.86	41.37	7704.60	26.75	26.33	3956.19	15.04	2953.72
b)	micro irrigation infrastructure including components of sump, pump, HDPE pipelines and pertinent Devices	0.00	0.00	0.00	0.00	0.00	0.00	4.14	2070.00
3	Construction of Field, intermediate and link drains	49.86	41.37	11027.28	26.75	26.33	525.79	15.04	720.94
4	Correction of system Deficiency	51.86	43.03	3080.84	0.00	0.00	0.00	14.93	1194.72
5	Reclamation of Water Logged area	-	-	-	-	-	-	-	-
a)	Surface Drainage including reclamation through Bio Drainage	1.59	1.32	237.75	0.00	0.00	0.00	0.42	83.00
b)	Sub Surface Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Non-Structural interventions									
1	One time functional grant to WUAs								
a)	Functional Grant	0.00	0.00	0.00	0.00	0.00	0.00	43.86	526.32
b)	Infrastructural Grant	0.00	0.00	0.00	0.00	0.00	0.00	121.00	363.00
2	Training, Demonstration and adaptive trials	1200	1200	30.00	0.00	0.00	66.90	2312.00	52.56
3	Establishments			12.050			384.83		702.24
	Total			135.243			4933.71		8675.49*

The targets as per FY 2017-18 MoU were as given in MoU of FY 2022-23. As reported now, as per the realistic targets, the balance cost as per MoU of 2017-18 has been further revised to ₹10732.694 lakhs vide the MoU of 2023-24.

Command map of the project is given at **Plate-III**.

5.1 Structural Interventions

The main activities proposed under structural interventions on the basis of balance ICA as per the MoU of FY 2010-11 are survey, planning of 22766 ha, design and execution of On-Farm Development (OFD) works of 37231 ha, construction of field, intermediate & link drains of 41371 ha, correction of system deficiencies of 43030 ha and reclamation of waterlogged areas in 1315 ha. Distributary wise area to be covered by structural interventions is given below in the table. The main aim under the PMKSY Her Chet kop Pain (HKKP) is to provide water to each farmer's field in the command. The physical & financial progress achieved in the project upto Nov-23 and the program for the financial year 2023-24 is given below in the table.

SI No	Activities	Total revised		Overall achievement upto Nov-23		Target during the FY 2023-24		Achievement upto Nov-23 during FY 2023-24	
		Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)
1	Survey, Planning, Design	750	9.00	0.0	0.0	750	9.00	0	0.00
2	OFD works								
a)	Construction of Field Channels	15039	2843.46	7798	15.954	2522 1000*	339.71	1079	293.54
b)	micro irrigation	4140	2070.00	0 (64 ha by farmers)	0.00	0	0.00	0/64	0.00
3	Construction of Field, intermediate and link drains	15039	678.19	7798	3.814	2522 1000*	82.30	1079	73.39
4	Correction of system Deficiency	40000#	3200.00	0	0.0	2769	221.54	0.00	0.00
5	Reclamation of Water Logged area								
a)	Surface Drainage	415	83.00	0	0.0	0	0.00	0	0.00
	Total Structural interventions		8883.65		19.768		652.55		366.93

#The area under correction of system deficiency has been added in the MoU of FY 2023-24 which resulted in increase in the overall balance cost.

Out of 41371 ha ICA (49864 ha CCA), an area of 30054 ha ICA (36224 ha CCA) has been developed in the project upto 11/2023.

5.2 Non-Structural Interventions

Main activities involved under Non-structural interventions are creation of Water User Association (WUAs) and training, demonstration and adaptive trials to increase water use efficiency, productivity, and sustainability of irrigation for strengthening of Participatory Irrigation Management (PIM).

Sl No	Activities	Total		Overall achievement upto Nov-23		Target during the FY 2023-24		Achievement upto Nov-23 during FY 2023-24	
		Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)	Phy. (ha)	Fin. (Lakhs)
Structural Interventions									
1	Functional Grant	43860	526.32	0	0	20	240.00	0	0
2	Infrastructure Grant	121	363.00	0	0	60.00	180.00	0	0
3	Training, demonstration and adaptive trails	2312	72.26	236	40.83	800	10.339	0	0
4	Establishment		887.465		0.00		117.114	0	0
	Total Structural interventions		1849.05		40.83		547.453	0	0

The total cost of non-structural interventions is ₹1849.05 lakhs, out of which an expenditure of ₹40.83 lakhs has been incurred upto 11/2023.

The CADWM works in the project was targeted to be completed by 03/2017 which was revised to 03/2021 and is now further revised to Mar-25. Budgetary provisions of ₹1200 lakhs has been kept for the project for FY 2023-24.

5.3 Central Assistance

A total Central Assistance (CA) of ₹1337.03 lakhs has been released to the project from FY 2010-11 to 2015-16. Central Assistance of ₹619.65 lakhs has been released from FY 2016-17 to FY 2022-23. The details of central assistance are given below in the table.

S No	Year	CA release (Rs in Lakhs)	Expenditure incurred (Rs in Lakhs)
1	2010-11	0.00	981.13
2	2011-12	55.00	685.08
3	2012-13	222.00	845.96
4	2013-14	400.00	800.83
5	2014-15	452.47	818.99
6	2015-16	207.56	478.61
	Sub Total	1337.03	4933.71
7	2016-17	0.00	323.11
8	2017-18	0	156.70
9	2018-19	0	8.92
10	2019-20	0	221.925
11	2020-21	0	279.62
12	2021-22	62.655	616.88
13	2022-23	557.00	366.66

S No	Year	CA release (Rs in Lakhs)	Expenditure incurred (Rs in Lakhs)
14	2023-24 (upto 11/2023)	0	366.93
Total		1956.685	6951.345

6.0 Formation of Water Users Associations (WUAs)

The work of formation of WUAs started in 2009. At present, out of total 121, 115 WUAs covering 46260 ha (CCA) have been formed and maintenance of field channels have been handed over to 48 WUAs. The formation of balance 6 WUAs covering 6604 ha (CCA) is in progress. As intimated by the project authorities the balance WUAs are targeted to be completed by March-25. The Details of WUAs are at **Annexure-III**.

7.0 Organisation and Management Aspects

The Godavari Marathwada Irrigation Development Corporation (GMIDC), Aurangabad is executing the project after its formation in 1998. Normally, all the construction activities are being done through outsourced contract.

The work of construction of Waki and Bham are being outsourced on contract by the Executive Engineer, Nandur Madhmeshwar Project Division, Nashik under supervision of Superintending Engineer. One Sub-Division for Waki & Two Sub-Division for Bham Dam are designated for the execution of works. Construction works of dams in Igatpuri taluka in Nashik district is under the jurisdiction of Chief Engineer, North Maharashtra Region, Nashik. Design & drawings of various components and other allied works are being issued by Central Design Organization (CDO) at Nashik.

The organizational setup for CADWM works of the Nandur Madhmeshwar Canal project is given as under:

- The Chief Engineer & Chief Administrator (CAD), WRD, Aurangabad
- The Superintending Engineer & Administrator (CAD), WRD, Aurangabad
- The Executive Engineer, Nandur Madhmeshwar Irrigation Division, Vaijapur

There are 10 Sub-Divisions under the administrative control of the Executive Engineer, Nandur Madhmeshwar Irrigation Division, Vaijapur deployed at different locations for execution of CADWM works of the project.

8.0 Contractual Agreements

The awards/contract for civil works are being done through Local / National Competitive Bidding by giving wide publicity in daily newspaper. The Executive Engineer is competent for accepting major contracts up to Rs. 50 lakh, Superintending Engineer up to Rs. 250 lakh and Chief Engineer is competent enough to accept contract upto Rs. 1500 lakh. State Govt. conducts pre-qualifying bidding if the estimated cost put to tender is more than Rs. 1500 Lakh. E-tendering mode is being followed since January 2011. The tenders are invited in two bids cover system (e-tendering). The approval of GMIDC is pre-requisite for calling the NIT and issuing the work order.

The claims from contractors for extra item of work that come out due to changed site conditions are submitted by the Engineer-in-charge with technical reports and his

remarks to the competent authorities. The competent authorities settle these claims as per their delegated powers.

8.1 Delegation of Powers for Award of Works and Sanction of Extra Items

The powers of the officers engaged in construction works for award of works are given below in the table.

Sr. No.	Authority	Powers to award works
1	Executive Engineer	Upto Rs. 1.00 Cr
2	Superintending Engineer	Upto Rs. 2.50 Cr
3	Chief Engineer	Upto Rs. 15 Cr
	WRD/ Mantralaya, Mumbai	Full power

9.0 Quality Assessment

Separate Quality Control Organization has its Sub-Division and Division at Nashik & Dhule respectively under the control of Superintending Engineer (Quality Control), Aurangabad. The Quality Control Organization maintains agency-wise records and is responsible for ascertaining the quality of works & materials on NM-II Project. The standard tests are carried out and results informed to the concerned working body to take the suitable steps for the assured quality of works. The quality control mechanism is as such, in place.

10.0 Comments and Observations

1. The compliance of the last two monitoring visits held on 9th to 10th March, 2021 and 11th to 12th January, 2022 have not been submitted by the project authorities/GoM. The compliance may be submitted to this office at the earliest.
2. The AIBP works of the project has been declared completed and the completion report had been submitted by the GoM vide letter dated 03.03.2021. The report had been vetted as per the guidelines on "submission of project completion report under PMKSY-AIBP" and observations were communicated vide letter dated 01.06.2021. The compliance of the observations is still awaited.
3. As per the inclusion under the PMKSY-CADWM programme, CADWM works were targeted to be completed by Mar-16, which was revised to Mar-20 then again revised to Mar-22 and now it has been further revised to Mar-2025. The reason stated by project authorities is unavailability of sufficient funds as per the planning. The project authorities need to adhere to the revised completion timeline.
4. The suitable area for micro irrigation in 4140 ha ICA has still not been finalised by the project authorities. Project authorities need to expedite the feasibility studies for the proposed micro irrigation in command.
5. It has been observed that there are only few display boards & RD marking on major structures on the main canal as well as in distribution network. The important structures should be properly labeled with RD and it must be ensured that logo, name of the Government of India scheme i.e. PMKSY-AIBP or PMKSY-CADWM, etc. should

also be written in every signboard displaying works being carried out through the scheme.

6. The unlined filed channels were observed to be not properly maintained, as reported in some cases generally the farmers maintain filed channels before the start of water rotation. However, most of the times the unlined filed channels are not in their design sections.



7. Attention shall be given for proper quality control. Design and execution of works should be done as per norms using appropriate grade/ quality of material. Regular sampling of materials and testing of works should be carried out even thorough surprise checks to ascertain that the quality of work is as per norms.

Annexure

NANDUR MADHAMESHWAR PROJECT : MAHARASHTRA STATE
SALIENT FEATURES

S.No.	Particulars	Bhawal Dam Proposed	Bham Dam Proposed	Mukane Dam Proposed	Waki Dam Proposed	N.M. Weir Proposed	Darna Storage Existing
Scope : An Irrigation Project involving for storages on Darna and its tributaries to irrigate mainly scarcity area of Vaijapur, Gangapur Taluka's of Aurangabad District.							
1	Source - Name of River & Tributaries	Darna River Right Bank Tributary of Godavari	Bham River the Right Bank Tributary of Darna.	Aundha Nalla the left bank Tributary of Darna	Waki Nalla the left bank Tributary of Darna	Godavari river	Darna river
2	Location						
a)	Latitude	19 33' 0"	19 39' 23"	19 48' 0"	19 46' 15"	20 1' 50"	19 46' 30"
b)	Longitude	73 35' 00"	73 38' 33"	73 39' 30"	73 34' 50"	74 08' 00"	73 30' 00"
c)	Village	Bhawali	Kaluste	Mukane	Kurnoli	Niphad	Igatpuri
d)	Taluka	Igatpuri	Igatpuri	Igatpuri	Igatpuri	Niphad	Igatpuri
d)	District	Nashik	Nashik	Nashik	Nashik	Nashik	Nashik
3	Yield & utilisation of the project						
i)	Catchment area (SqKm/Sqm)	25.90/10.00	50.50/19.50	128.50/50.00	32.40/12.50	2278/890 (free)	399/156
ii)	Average annual runoff Mm3/ T.M.C.	41.63/1.470	72.59/2.56	127.01/4.514	43.78/1.546	277.80/9.81	522.47/18.45
iii)	75% dependable run off (Mm3/TMC)	34.00/1.202	60.50/2.135	122.60/4.33	36.90/1.302	211.00/7.45	443.90/15.67
iv)	Gross annual utilisation Mm3/TMC (excluding Gangapur supplementation) (** inclusive of all use Ex-Nandur Madhameshwar)	34.00/1.202	60.50/2.135	122.60/4.33	36.90/1.302	719.14/25.40	353.91/12.50
v)	Average annual Rainfall Mm/inches	2250/88.58	2050/80.70	1520/59.84	1950.00/76.77	705.00/27.72	1800.00/74.00
vi)	75% dependable rainfall (Mm/inches)	190.40/74.98	1766.00/69.56	1423.00/50.00	1698.00/66.86	641.00/25.24	1631.00/65.00
4	Dam & Reservoir						
i)	Gross storage Mm3 / Mcft	44.75/1580.00	75.42/2663.00	139.76/4935.00	58.45/2064.00	-	219.85/7763
ii)	Live Storage Mm3/Mcft	40.79/1440.00	69.76/2463.00	122.48/4325.00	55.95/1976.00	-	203.71/7193.00
iii)	Dead Storage Mm3/Mcft	3.96/140.00	5.56/200.00	17.28/610.00	2.49/88.00	-	16.14/570.00
iv)	H.F.L. Mtr.	612.75	614.63	590.70	621.79	-	571.50
v)	F.R.L. Mtr.	609.75	611.58	590.70	618.74	-	571.50

S.No.	Particulars	Bhawali Dam	Bham Dam	Mukane Dam	Waki Dam	N.M. Weir	Darna Storage
		Proposed	Proposed	Proposed	Proposed	Proposed	Existing
	vi) M.D.D.L. Mtr	590.37	591.29	501.82	600.12	-	-
	vii) Area under submergence (Hect	263	470	1992	843	-	3368
	viii) No. of villages affected	2.00	2.00	-	-	-	-
	ix) Evaporation losses (Mm3/ TMC)	4.30/0.15	6.62/0.23	24.72/0.87	5.91/0.21	-	47.16/1.66
	x) Type of Dam	Earthen	Earthen	Earthen	Earthen	-	Masonry
	xi) Maximum height of Dam in Mtr	32.49	33.97	21.03	34.45	-	25.00
	xii) Total length of the Dam excluding spillway Mtr	1157	1462	1427	1014	-	1481
	xiii) Total quantity of earthen dam (Mm3/Mcft)	2.57/90.70	3.29/116.20	0.80/20.20	1.02/36.00	-	-
	xiv) Total Quantity of Masonry Dam (Mm3/Mcft)	1.15/40.60	0.84/29.10	0.01/0.35	0.02/0.70	-	Not available
	xv) Free board over F.R.L. (Mtr.)	5.00	5.07	2.00	5.06	-	-
	xvi) Spillway						
	a) Type	Ungated	Ungated	Gated	Gated	-	Gated
	b) Design Flood Cumecs/Cusec	896.70/31668.00	1410.016/49807	3235/114269.890	890/31442.00	-	2017/71250
	c) Depth over crest for design flood (Mtr)	3.00	3.00	5.00	3.00	-	3.12
	d) Crest level Mtr	609.75	611.58	585.70	618.74	-	571.50
	e) Length of spillway Mtr	58.00	88.00	102.00	67.00	-	152.40
	xvii) Outlet						
	a) Location Ch M	570.00	800.00	1170.00	750.00	-	i) River sluices 6 Nos. 10' x 6' each
	b) Full supply discharge required in Cumecs/Cusec.	8.35/295	7.56/267	15.12/534.00	7.56/257.00	-	ii) Scouring sluices 10' x 6'
	c) R.L. of outlet sill Mtr	587.62	588.34	578.00	597.50	-	iii) Turbine sluices 2 Nos 10' x 6'
	i) Full supply discharge required Cumecs/Cusec						
	ii) Section at canal at head	31.03	1096.00	0.20	7.00	0.59	21.00
	a) Bed Width Mtr/Feet	6.22	20.60	1.219	4.00	2.286	7.60
	b) Side slope for design.						1:1
	c) Full supply depth Mtr/Feet	2.75	9.02	0.48	1.57	0.61	2.00
	d) Free board Mtr/Feet	0.75	2.46	1.00	3.28	1.00	3.28

S. No.	Particulars	Bhawali Dam	Bham Dam	Mukane Dam	Waki Dam	N.M. Weir	Darna Storage
6	e) Length of Canal Km/miles	Proposed 125.00	Proposed 77.64	Proposed 3.12	Proposed 1.94	Proposed 8.34	Existing 5.18
	f) Bed slope	1 in 7000		1 in 3000	1 in 3000	1 in 3000	
	III) Description of Canal						
	a) Main Canal	Lined					Lined
	b) Branches	Unlined					Unlined
	IV) Command Area of the proposed project						
	i) Gross command area Hect	70486.00		2106.00			
	ii) Culturable command area Hect	52864.00		1579.00			
	iii) Irrigable command area Hect	36550.00		1053.00			
	iv) Cropped area Hect	43860.00		1263.00			
	Proposed irrigated crop pattern	% of I.C.A.		% of I.C.A.			
	i) Sugar cane	6%		6%			
	ii) Other periental	2%		2%			
	iii) T.S. chillies	5%		5%			
	iv) L.S. Cotton	15%		15%			
	II) i) Kh.Hy. Jawar	15%		15%			
	ii) Kh.Hy. Bajari	10%		10%			
	iii) Kh. Ground Nut	25%		25%			
	iv) Kh. Pulses (U.I.)	22%		22%			
	III) i) Rabi Jawar	30%		30%			
	ii) Rabi Wheat	10%		10%			
	iii) H.W. Seasonals	2%		2%			
	8) Soil in the command area	Medium Deep and fertile - Medium deep & fertile.					
	9) Cost of the scheme for all above 4 storage proposed new Nandur Madhameshwar weir excluding existing Darna Dam.						

Nandur Madhmeshwar Project

Sr No.	Distributory Name	Sr	Name of W.U.A.	Minor	CCA (ha)
1	2	3	4	5	6
1	Dy no-1	1	Shri Ganesh W. U. Asso. Ltd. Talegaon Male. Tq. Kopargaon	MR-1,ML-2,3	513
2		2	Sainath W. U. Asso. Ltd. Bhojade. Tq. Kopargaon	MR-2	333
3		3	Shri Sadguru Gangagiri W. U. Asso. Ltd. Dhotre. Tq. Kopargaon	ML-3 &DO	513
4		4	Shriram W. U. Asso. Ltd. Babtara. Tq. Vaijapur	MR-3,ML-4,4A	653
5		5	Lakh Ganga W. U. Asso. Ltd. LakhGanga Tq. Vaijapur	ML-5	476
6		6	Virbhadra W. U. Asso. Ltd. Babtara. Tq. Vaijapur	MR-4,DO	306
7	Dy No-2	1	Shri ShaneShwar W. U. Asso. Ltd. Talegaon /Dhotre. Tq. Kopargaon	MR-1	353
8		2	Jai Laxmi W. U. Asso. Ltd. Dhotre. Tq. Kopargaon	MR-3	324
9		3	Sarvdhrama Sambhav W.U.Asso.ltd.M.Surala Tq.Vaijapur	ML-1,2	507
10		4	Shri.Jaymlhar W.U.Asso.Ltd.Khopdi Tq.kopargaon	MR-4,ML-3,4,5	363
11		5	Sankatmochan W.U.Asso.Ltd.M.Hingoni Tq Vaijapur	MR-5,6,7,,ML-6,7,8	300
12		6	Kalbhairavnath W.U.Asso. Ltd.M.Purangaon Tq.Vaijapur	ML-9,10,MR-8,9,Tail	299
13	Dy no-3A	1	Jagdamba W. U. Asso. Ltd. Surala. Tq. Vaijapur	Complete Dy.	100
14	Dy no-4	1	Sainath W. U. Asso. Ltd. Surala/Dawala. Tq. Vaijapur	MR-3-6, ML-1,2	288
15		2	Renukamata W. U. Asso. Ltd.Surala/ Kiratpur. Tq. Vaijapur	MR_1,2, ML-3	365
16	Dy No-5	1	Jai Hanuman W. U. Asso. Ltd. Bhaggaon/Dawala. Tq. Vaijapur	MR_1,2, ML-1,2,3, DOL-1-5	510
17		2	Jai Kisan W. U. Asso. Ltd. Bhaur/Kiratpur. Tq. Vaijapur	MR-3,4, ML-4,5	521
18		3	Virbhadra W. U. Asso. Ltd. Hingoni/Purangaon.Tq. Vaijapur	MR-5,6 ML-6,7,8	616
19	Dy No-6	1	Rokadeshwar W. U. Asso. Ltd. Khambala Tq. Vaijapur	Complete Dy.	191
20	Dy No-7	1	Jai Virbhadra W. U. Asso. Ltd. Nagina PimpalgaonTq. Vaijapur	Complete Dy.	234
21	Dy no-8	1	Shiv Chhatrapati W. U. Asso. Ltd. Fakirabadwadi/Ladgaon Tq. Vaijapur	ML-1,2,2A	420
22		2	Shree Panchkrushna W. U. Asso. Ltd. N.Pimpalgaon/Govegaon. Tq. Vaijapur	MR-1,1A,DOR_1	529
23		3	ShriKrushna W. U. Asso. Ltd. Ladgaon. Tq. Vaijapur	MR-2,3,4 ML-4,5,6DOR6-8.DOL4-5	420
24		4	Chhatrapati Shahu Maharaj W. U. Asso. Ltd. Kangoni. Tq. Vaijapur	MR-5 ML-3,DOR2-5.DOL1-4	502
25		5	Shri Ganesh W. U. Asso. Ltd. Kangoni/Purangaon. Tq. Vaijapur	MR-6,7 ML-7,DOR9-12, DOL6-9	511
26		6	Shri Chidambaram Swami W. U. Asso. Ltd. NandurDhok. Tq. Vaijapur	MR-8,9,10 ML-8,9,DOR2-5.DOL10. tail	589
27	Dy no-9	1	Sadguru Kameshwar Maharaj W. U. Asso. Ltd. Ladgaon. Tq. Vaijapur	ML-1,1A,3,DOR1-2DOL1	276
28		2	Sadguru Gangagiri Maharaj W. U. Asso. Ltd.Ladgaon. Tq. Vaijapur	MR-2	303
29		3	Annapurna Mata W. U. Asso. Ltd. Kapus Wadgaon Tq. Vaijapur	Wanjargaon Br.DOL 1,2,3	499

Sr No.	Distributory Name	Sr	Name of W.U.A.	Minor	CCA (ha)
30		4	Brhamlin Narayangiri Maharaj W. U. Asso. Ltd. Vanjargaon Tq. Vaijapur	Wanjargaon Br.DOR-1	436
31		5	Sadguru Yogoraj Gangagiri Maharaj W. U. Asso. Ltd. Vanjargaon /Bhalgaon. Tq. Vaijapur	Wanjargaon Br.DOR-9,DOL 6,7,11	527
32		6	Sadguru Ramgiri maharaj W. U. Asso. Ltd. Sawkhed Ganga. Tq. Vaijapur	Sawkhed Branch SMR-1,2,3	469
33		7	Shri Swami Sahajanand Bharati W. U. Asso. Ltd.Sawkhed Ganga. Tq. Vaijapur	Sawkhed Branch SMR-4	527
34	Dy no-11	1	Sadguru Narayangiri W. U. Asso. Ltd. Kapus Wadgaon. Tq. Vaijapur	ML-1,MR-1	386
35		2	Tulja Bhavani Mata W. U. Asso. Ltd. Virgaon Tq. Vaijapur	ML_2	486
36		3	Chhatrapati Shivaji Maharaj W. U. Asso. Ltd.K.wadgaon/ Virgaon Tq. Vaijapur	MR-,2,3 ML_3	430
37		4	Jai Shri Ram W. U. Asso. Ltd. Kapus Wadgaon Tq. Vaijapur	ML_4	278
38		5	Sadguru Someshwargiri Maharaj W. U. Asso. Ltd. Bhalgaon. Tq. Vaijapur	MR_4	311
39	Dy No-12	1	Dyneshwari W. U. Asso. Ltd. Mhaski Tq. Vaijapur	Complete Dy.	172
40	Dy no-13	1	Sadguru Narayangiri maharaj W. U. Asso. Ltd. Virgaon Tq. Vaijapur	Complete Dy.	233
41	Dy No-14	1	Jai Hanuman W. U. Asso. Ltd.Hanumantgaon Tq. Vaijapur	Complete Dy.	442
42	Dy no-15 A	1	GuruDatta W. U. Asso. Ltd. Hanumantgaon Tq. Vaijapur	Aurangabad	96
43	Dy no-15,15 B	1	Virbhadra W. U. Asso. Ltd. Hanumantgaon. Tq. Vaijapur	Aurangabad	137
44	Dy No-16	1	PandurangKrupa W. U. Asso. Ltd.Sirajgaon Tq. Vaijapur	Complete Dy.	476
45	Dy no-17	1	Jai Janardhan W. U. Asso. Ltd. Sirajgaon Tq. Vaijapur	Complete Dy.	135
46	Dy no-18	1	Sant Bairagi maharaj W. U. Asso. Ltd. Sirajgaon Tq. Vaijapur	MR_1,2 ML-3	341
47		2	Vinayakrao Patil W. U. Asso. Ltd. Nadi Tq. Vaijapur	MR_5	435
48		3	Sadguru Gangagiri Maharaj W. U. Asso. Ltd. Kautgaon. Tq. Vaijapur	ML-6	182
49		4	Bajrang Bali W. U. Asso. Ltd. Nadi. Tq. Vaijapur	MR-7,8	423
50		5	Narayangiri Maharaj W. U. Asso. Ltd. Dag Pimplegaon. Tq. Vaijapur	MR 9_	457
51		6	Shaneshwar Maharaj W. U. Asso. Ltd. Chandegaon. Tq. Vaijapur	MR-12,13,ML 11	397
52		7	Sant Eknath Maharaj W. U. Asso. Ltd. Nagamthan. Tq. Vaijapur	MR-14,15,16,17	454
53		8	Nageshwar W. U. Asso. Ltd. Nagamthan. Tq. Vaijapur	ML-18	504
54	Dy no-19	1	Sainath W. U. Asso. Ltd. Kautgaon. Tq. Vaijapur	Complete Dy.	356
55	Dy no-20	1	Raje Sambhaji W. U. Asso. Ltd. Jategaon Tq. Vaijapur	Complete Dy.	737
56	Dy no-21	1	Gahininath W. U. Asso. Ltd. Jategaon. Tq. Vaijapur	Complete Dy.	424

Sr No.	Distributory Name	Sr	Name of W.U.A.	Minor	CCA (ha)
57	Dy no-22	1	Shri Ram W. U. Asso. Ltd. Mali Ghogargaon. Tq. Vaijapur	ML_1,MR-2	398
58		2	Sant DhyneShwar W. U. Asso. Ltd. Mali Ghogargaon. Tq. Vaijapur	ML2,3,MR-3	453
59		3	Sant Janardhan Swami W. U. Asso. Ltd. Awwalgaon. Tq. Vaijapur	MR-4,5	405
60		4	SwaJaldhara W. U. Asso. Ltd. Gadhe Pimplgaon Tq. Vaijapur	ML_4,5,MR-3A	322
61		5	Sant Sawata Maharaj W. U. Asso. Ltd. Gadhe Pimplgaon. Tq. Vaijapur	ML-6,7	480
62		6	Jai Bajrang W. U. Asso. Ltd. Awwalgaon. Tq. Vaijapur	MR-6,	562
63		7	Shivgiri W. U. Asso. Ltd. Bajathan. Tq. Vaijapur	ML-8	509
64		8	ShivKrupa W. U. Asso. Ltd. Hamarapur. Tq. Vaijapur	ML_9,MR-6A	427
65		9	Jairamgiri W. U. Asso. Ltd. Deogaon Shani Tq. Vaijapur	ML_9A,10,11	542
66		10	Godawari W. U. Asso. Ltd. Nevargaon Tq. Gangapur	MR-7A,MR-8, Tail	756
67		11	Jai Shivgiri W. U. Asso. Ltd. Bajathan Tq. Vaijapur	MR-7	447
68	Dy no-23 23A,23 B	1	Shri Bhairavnath Maharaj W. U. Asso. Ltd. Panvi. Tq. Vaijapur	Complete Dy.	202
69	Dy no-24	1	Shree Datta W. U. Asso. Ltd. Mali Ghogargaon. Tq. Vaijapur	Complete Dy.	635
70	Dy no-25	1	Jagrut Mhasoba Maharaj W. U. Asso. Ltd. Varkhed Tq. Gangapur	Complete Dy.	228
71	Dy No-26	1	Mhasoba W. U. Asso. Ltd. Varkhed. Tq. Gangapur	MR-1,2	273
72		2	Jai Babaji W. U. Asso. Ltd. Gadhe Pimplgaon. Tq. Vaijapur	MR_-3	376
73		3	Swami Samarth W. U. Asso. Ltd. Wahegaon. Tq. Gangapur	ML-1A,MR4	357
74		4	Pawansut W. U. Asso. Ltd. Gadhe Pimplgaon Tq. Vaijapur	MR-5	555
75		5	Jaishri Ram r W. U. Asso. Ltd. Wahegaon. Tq. Gangapur	ML-1,2	592
76		6	Jai shri Sankateshwar W. U. Asso. Ltd. Nevargaon Tq. Gangapur	D.O.Ch.8140 - 10170	356
77	Br. Canal-1, Dy-1	1	Martand Bhairav W. U. Asso. Ltd. Wahegaon. Tq. Gangapur	DOL -1-6,ML-1	411
78		2	Shri Ram W. U. Asso. Ltd. Wahegaon. Tq. Gangapur	ML-2,3,3A	807
79		3	Sankateshwar W. U. Asso. Ltd. Nevargaon. Tq. Gangapur	ML-4	340
80	Br. Canal-1, Dy-1 A	1	Jai Bajrang W. U. Asso. Ltd. Muddeshwadgaon Tq. Gangapur	DOL 1-9, DOR 1-9	419
81		2	Jai kisan W. U. Asso. Ltd. Wahegaon Tq. Gangapur	DOL 10-13, DOR 10-15, ML-1, MR-1	502
82	Br. Canal-1, Dy-2	1	Madhvnath W. U. Asso. Ltd. M. Wadgaon/Manjari Tq. Gangapur	Complete Dy.	401
83	Br. Canal-1, Dy-3	1	Shri Mukundadevi W. U. Asso. Ltd. Manjari Tq. Gangapur	MR-1	273
84		2	Jagdamba W. U. Asso. Ltd. Manjri/ siddhapur Tq. Gangapur	MR-2,ML-3	327
85		3	Chhatrapati Shivaji Maharaj W. U. Asso. Ltd. Manjari. Tq. Gangapur	MR-1/SM-1	184
86		4	Sawata Maharaj W. U. Asso. Ltd. Agar Kanadgaon Tq. Gangapur	MR-1/SM-1	320
87		5	Nursinha W. U. Asso. Ltd. Agar Kanadgaon. Tq. Gangapur	MR-3,SM-1,2	397
88		6	Renuka Devi W. U. Asso. Ltd. Nawabpur. Tq. Gangapur	MR-4,SM-1	495
89		7	Shiv Shankar W. U. Asso. Ltd. Mamdapur/A. Kanadgaon. Tq. Gangapur	MR-4,SM-2	150
90		8	Kanifnath maharaj W. U. Asso. Ltd. Bagadi/Jamgaon Tq. Gangapur	MR-5,ML-3,4	308

Sr No.	Distributory Name	Sr	Name of W.U.A.	Minor	CCA (ha)
91	Br.Canal-1,Dy-4	1	Shri Pandurang W. U. Asso. Ltd. JakhMatha Tq. Gangapur	ML-1,MR-1,2	430
92		2	VitthalKrupa W. U. Asso. Ltd. JakhMatha Tq. Gangapur	DO,ML-2	570
93		3	Shri Ganesh W. U. Asso. Ltd. Nawabpur Tq. Gangapur	DO,MR-3,3A	764
94		4	Renukamata W. U. Asso. Ltd.Jamgaon Tq. Gangapur	ML-3	364
95		5	Shri Pawan Ganpati W. U. Asso. Ltd.Gangapur. Tq. Gangapur	DO	410
96	Br.Canal-1,Dy-4A	1	Jai Girijamata W. U. Asso. Ltd.Jakhmatha Tq. Gangapur	Aurangabad	234
97	Br.Canal-1,Dy-5	1	Gangotri W. U. Asso. Ltd. Ambewadi Tq. Gangapur	MR-1	277
98		2	Jai Bhawani W. U. Asso. Ltd.Sirsgaon Tq. Gangapur	ML-1,1A	463
99		3	Har Har Mahadeo W. U. Asso. Ltd. Ambewadi. Tq. Gangapur	MR- 2,3,4	326
100		4	Ekata W. U. Asso. Ltd.Gangapur. Tq. Gangapur	MR- 5	267
101		5	Shetkari Vikas W. U. Asso. Ltd.Gangapur. Tq. Gangapur	MR- 6	277
102		6	Mahatma Fule W. U. Asso. Ltd.Bhendala. Tq. Gangapur	MR- 7	510
103		7	Jai Baliraja W. U. Asso. Ltd. Maujabad/Balapur. Tq. Gangapur	ML-3	294
104		8	Sambhaji Raje W. U. Asso. Ltd.Babargaon.. Tq. Gangapur	ML-5	287
105		9	Jai Kisan W. U. Asso. Ltd. Maujabad/Surewadi. Tq. Gangapur	ML-4	176
106	Br.Canal-2,Dy-1	1	Chhatrapati shivaji maharaj W. U. Asso. Ltd. Kate Pimpalgaon Tq. Gangapur	MR-6, 7	227
107		2	Sant Tukaram W. U. Asso. Ltd. Akolewadgaon. Tq. Gangapur	MR-5	232
108		3	Balram W. U. Asso. Ltd. Kate Pimpalgaon Tq. Gangapur	MR-4	314
109		4	Sant Dyneshwar W. U. Asso. Ltd. Zodegaon Tq. Gangapur	MR-3	610
110		5	Nursinh W. U. Asso. Ltd. Pimpri Tq. Gangapur	MR-2,2A,1	610
111	Br.Canal-2,Dy-2 A,2B	6	Sambhaji Maharaj W. U. Asso. Ltd. Shingi. Tq. Gangapur	Complete Dy.	247
112	Br.Canal-2,Dy-2	7	Shivana W. U. Asso. Ltd. Bhalgaon Tq. Vaijapur	Complete Dy.	833
113	Br.Canal-2,Dy-3, 3A, 4A	8	Mauli W. U. Asso. Ltd.Maholi Tq. Gangapur	Complete Dy.	281
114	Br.Canal-2,Dy-5	9	Shri Datta W. U. Asso. Ltd. Malunja Tq. Gangapur	Complete Dy.	555
115	Br.Canal-2,Dy-Tail	10	Shri Jai Kisan W. U. Asso. Ltd. Sanjarpur Tq. Gangapur	Complete Dy.	428
			Total		46260

LIST OF WATER USER ASSOCIATION TO BE FORMED

Sr No.	Distributory Name	Sr No.	Name of W.U.A.	District	CCA (ha)
1	Main Canal Dy-2		Proposed W. U. Asso. Ltd. Lauki, Tq. Kopargaoon	Ahmednagar	1087
2	Main Canal Dy-2		Proposed W. U. Asso. Ltd. Dhotre, Tq. Kopargaoon	Ahmednagar	1090
3	Main Canal Dy-6, 6A, 6B		Proposed W. U. Asso. Ltd.Khambala/Nagina Pimpalgaon, Tq. Vaijapur	Aurnagabad	1148
4			Proposed W. U. Asso. Ltd., Tq. Vaijapur	Aurnagabad	1086
5	Branch Canal-1 Dy-5		Proposed W. U. Asso. Ltd., Tq. Gangapur	Aurnagabad	1095
6	Branch Canal-1 Dy-5		Proposed W. U. Asso. Ltd., Pimpalwadi Tq. Gangapur	Aurnagabad	1098
			Total		6604

PHYSICAL PROGRESS UNDER PMKSY-CADWM
Name of Project- Nandur Madhmeshwar Canal Project
Tal.-Vaijapur Dist.- Aurangabad

Name of State-Maharashtra (Area in Ha)											
Sr.no	Item	Unit	Total quantity of work involved	Achievement upto end of previous financial year March 2023	Target for current financial year 2023-24	Achievement during current financial year upto end of previous Oct 23	Target for the Month (Nov. 2023)	Achievement during Month (Nov.2023)	Cummulative achievement of current year upto end of Month (Nov.2023)	Target for next Month (Dec. 2023)	Remarks if any
1	2		3	4	5	6	7	8	9	10	11
I	Structural Interventions										
A	Survey, Planing, Design	Ha	904	0	904	0	0	0	0	0	
B	OFD works	Ha									
	i) Construction of unlined Field Channels	Ha	20812	8099	4246	1300	1446	0	1300	633	
	ii) Construction of lined Field Channels, laying of underground pipelines etc. for gravity flow	Ha	0	0	0	0	0	0	0	0	
	iii) Mechanized land levelling in the hilly/difficult areas, lesser land levelling in selected areas	Ha	0	0	0	0	0	0	0	0	
	iv) micro irrigation infrastructure including components of sump,pump,HDPE pipelines and pertinents Devices	Ha	2304	77	0	0	0	0	0	0	
c	Construction of Field ,intermediate and link drains	Ha	20812	8099	4246	1300	1446	0	1300	633	
d	Correction of system Deficiency	Ha	18000	0	3338	0	0	0	0	964	
e	Reclamation of Water Logged area	Ha				0					
	i) Surface Drainage including reclamation through Bio Drainage	Ha	500	0	0	0	0	0	0	0	
	ii) Sub Surface Drainage	Ha	0	0	0	0	0	0	0	0	
	Total Structural interventions	Ha									
II	NonStructural interventions	Ha									
a	onetime grant to registered/ elacted water user assositations(WUAs)	Ha									
	i) Functional Grant	Ha	52864	0	24	0	0	0	0	0	
	2) Infrastructure grant	No.	121	0	60	0	0	0	0	0	
b	Training, Demonstration and adaptive trials(including on Micro irrigation, water use effeciency, increase productivity and sustainable irrigation.	No.	2312	236	800	0	0	0	0	300	
	Establishment	Ha	0	0	0	0	0	0	0	0	
	Signboards	Sq. m	0	0	0	0	0	0	0	0	
	Total NonStructural interventions										

FINANCIAL PROGRESS UNDER PMKSY-CADWM
Name of Project- Nandur Madhmeshwar Canal Project
Tal.- Vaijapur Dist.- Aurangabad

Name of State-Maharashtra (Rs. In Cr.)										
Sr.no	Item	Total Cost of work involved	Achievement upto end of previous financial year March 2023	Target for current financial year 2023-24	Achievement during current financial year upto end of previous Month Oct. 23	Target for the Month Nov .2023	Achievement during Month Nov. 2023	Cummulative achievement of current year upto end of Month Nov.23	Target for next Month Dec.2023	Remarks if any
1	2	3	4	5	6	7	8	9	10	11
I	Structural Interventions									
A	Survey, Planing, Design	0.11	0	0.09	0	0	0	0	0	
B	OFD works									
	i) Construction of unlined Field Channels	43.520	13.0186	3.397	2.9354	1.995	0.0000	2.9354	0.803	
	ii) Construction of lined Field Channels, laying of underground pipelines etc. for gravity flow	0	0	0	0	0	0	0	0	
	iii) Mechanized land levelling in the hilly/difficult areas, lesser land levelling in selected areas	0	0	0	0	0	0	0	0	
	iv) Micro irrigation infrastructure including components of sump,pump,HDPE pipelines and pertinents Devices	11.520	0	0	0	0	0	0	0	
c	Construction of Field ,intermediate and link drains	9.620	3.0801	0.823	0.7339	0.499	0.00000	0.7339	0.194	
d	Correction of system Deficiency	14.400	0	2.215	0	0	0	0	0.640	
e	Reclamation of Water Logged area									
	i) Surface Drainage including reclamation through Bio Drainage	1.000	0	0	0	0	0	0	0	
	ii) Sub Surface Drainage	0	0	0	0	0	0	0	0	
	Total Structural interventions	80.17	16.0987	6.5255	3.6693	2.494	0.0000	3.6693	1.637	
II	NonStructural interventions									
a	onetime grant to registered/ elacted water user assositations(WUAs)									
	i) Functional Grant	6.34	0	2.4	0	0	0	0	0	
	2) Infrastructure grant	3.63	0	1.8	0	0	0	0	0	
b	Training, Demonstration and adaptive trials(including on Micro irrigation, water use effeciency, increase productivity and sustainable irrigation.	0.345	0.4083	0.104	0	0.15	0	0.0000	0.0388	Through Walmi
	Establishment	8.01	0	1.17114	0	0.24942	0	0	0.29384	
	Signboards	0	0	0	0	0	0	0	0	
	Total NonStructural interventions	18.325	0.4083	5.475	0	0.39942	0	0	0.33264	
	Grand Total	98.50	16.5070	12.00	3.6693	2.894	0.0000	3.6693	1.970	

Plates





