



भारत सरकार

Government of India

केन्द्रीय जल आयोग

Central Water Commission

संगोला ब्रांच नहर (बृहद) सिंचाई परियोजना (महाराष्ट्र)

Sangola Branch Canal (Major) Irrigation Project (Maharashtra)

प्रधानमंत्री कृषि सिंचाई योजना

त्वरित सिंचाई लाभ कार्यक्रम तथा क्षेत्र विकास और जलप्रबंधन

Pradhan Mantri Krishi Sinchayee Yojna (PMKSY)

Accelerated Irrigation Benefits Programme and Command Area
Development & Water Management

प्रबोधन प्रतिवेदन 2026-27

Monitoring Report 2026-27



प्रबोधन (मध्य) संगठन
Monitoring (Central)
Organization
नागपुर
Nagpur

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आज़ादी का
अमृत महोत्सव
MAY-2026

प्रबोधन एवं मूल्यांकन निदेशालय
Monitoring & Appraisal
Directorate
पुणे
Pune

Sangola Branch Canal (Major) Irrigation Project, Maharashtra

Monitoring Visit for 2026-27

Date of Visit: 19th May-2026

Participants

Central Water Commission

1. Shri Satish Jain, Director,
Monitoring & Appraisal Directorate, Pune
2. Shri Ramesh Dhone, Assistant Director,
Monitoring & Appraisal Directorate, Pune

MKVDC, WRD, Govt. of Maharashtra

1. Shri Ramesh Kshirsagar, Executive Engineer
2. Shri A. S. Dhotre, Sub divisional Engineer
3. Shri Shridhar Joshi, Sub divisional Engineer
4. Shri Vijay Nagane, Sub divisional Engineer
5. Smt. A. A. Shingare, Junior Engineer.
6. Shri. Babaso Behere, Junior Engineer.
7. Shri. Ajit Sawant, Asst. Eng.-2.

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List of Abbreviations

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AA	Administrative Approval
CA	Central Assistance
CADWM	Command Area Development & Water Management
CCA	Cultural Command Area
COT	Cut-off Trench
CTRB	Cart Track Road Bridge
DoL	Direct Outlet
DoWR, RD & GR	Department of Water Resource, River Development & Ganga Rejuvenation
DPAP	Drought Prone Area Program
Dys.	Distributaries
Disnet	Distributaries Network
EPC	Engineering, Procurement & Construction
Estd.	Estimated
Expdr.	Expenditure
FRL	Full Reservoir Level
FTPC	Fast Track Performa Clearance
GCA	Gross Command Area
GoI	Government of India
GoM	Government of Maharashtra
Ha	Hectare
ICA	Irrigable Command Area
ICPO	Irrigation cum Power Outlet
LBC	Left Bank canal
LIS	Lift Irrigation Scheme
PAF	Project Affected Families
PAP	Project Affected Peoples
PDN	Pipe Distribution Network
PL	Price Level
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
MCM	Million Cubic Meter
RAA	Revised Administrative Approval
RBC	Right Bank Canal
RD	Reduced Distance
RL	Reduced level
R&R	Rehabilitation and Resettlement
SCADA	Supervisory Control And Data Acquisition
SLTAC	State Level Technical Advisory Committee

SWF	Surface Water Flumes
Th cum	Thousand Cubic Meter
UIP	Ultimate Irrigation Potential
VRB	Village Road Bridge
WUA	Water User Associations

Sangola Branch Canal (Major) Irrigation Project Monitoring Report 2026-27

1.0 Project Components

Sangola branch canal (major) irrigation project envisages construction of a new branch canal namely Sangola Branch Canal that off-takes from existing Nira Right Bank Canal (NRBC) to provide irrigation facilities to chronically drought prone areas of Sangola talshil in Solapur district of Maharashtra through saving of water by lining and remodeling of NRBC system. The salient features of the project are given at **Annexure-I**. The entire command area of the project lies in the DPAP area.

Nira canal irrigation system, in operation presently, comprises (i) storage dam i.e. Bhatghar across River Yelwandi, a tributary to River Nira, which was constructed during 1920-27, (ii) Vir dam at 25 km d/s of Bhatghar Dam across River Nira, completed in year 1965 and (iii) unlined main canals i.e. Nira left bank canal (NLBC) & Nira right bank canal (NRBC) off-taking from Vir dam and (iv) Distribution system. It is, therefore, a joint reservoir operation of Bhatghar dam and Vir dam providing irrigation and domestic water supply in the command area. NLBC is 163 km long, carries 24.07 cumec of water at head for irrigating (CCA) 37,070 ha land and NRBC is 169 km long, carries 42.48 cumec of water at head for irrigating (CCA) 65,506 ha land on the right bank. NRBC has four branch canals namely B1, B2, B3 & B4.



Starting Point of Sangola Branch Canal

Sangola Branch Canal is a new proposed 5th branch canal (B5) on NRBC and it is planned to meet the water requirements of tail reach of command area of Sangola tahsil. The following are the components of the project included in AIBP:

i) Improvement of existing NRBC

- (a) C.C. Lining and remodeling of existing NRBC from km 114 to 169,
- (b) C.C. Lining of branch canal (B1) along with its major distributaries namely D4, D9, D21 & D24
- (c) C.C. Lining of branch canal (B3) along with its major distributaries namely D3 & D8
- (d) Strengthening of existing 23 aqueducts and 117 culverts on NRBC
- (e) Remodeling & modernization of embankment of existing NRBC from 1 to 169 km

ii) Construction of Sangola Branch Canal (B5)

Construction of new lined branch canal (B5) namely Sangola Branch Canal of 103 km having design discharge 6.68 cumecs along with lined distribution network & structures for irrigating 6883 ha (ICA)/13766 ha (CCA) in 19 villages namely Sangola, Ekhatpur, Vasud, Godkewadi, Kamlapur, Mangewadi, Ajnale, Chinakee, Anakdhal, Vatambre, Akola, Kadlas, Wadhegaon, Jawale, Alegaon, Medshingi, Rajapur, Save & Dewale and having ultimate irrigation potential (UIP) of 11288 ha. It off-takes from NRBC at RD 169 km near Pawarwadi/Dhalewadi chauki village. Sangola branch canal has been proposed to be lined up to 84 km only. Beyond 84 km it is proposed in PDN.

Water utilization proposed in the project is shown below in the table:

Sr. No	Description	Water Use (MCM)
1	Irrigation	69.02
2	Domestic Water Supply	3.45
	Total	72.47

Location map & Index map of the project and Index map of NRBC are given at **Plate-I, Plate-II & Plate-III** respectively.

2.0 Techno-Economic Appraisal

Planning Commission, Government of India accorded investment clearance to the project for Rs. 287.77 crore at price level 2006-07 in December 2007 after acceptance by Advisory Committee of Ministry of WR, RD & GR in its 90th meeting held in September 2007. State Level Technical Advisory Committee (SLTAC) in its 6th meeting held on 10.02.2017 approved revised cost estimate for Rs. 937.92 crore at price level 2013-14 and Government of Maharashtra accorded 3rd Revised

Administrative Approval (RAA) vide GR no. Sangola-0615/C.N.407/15/MP-1 dated 22.06.2017.

CWC vide letter 8/133/FTPC/SBC/2017/Mon(C)/911-21 dated 13.09.2017 accorded Fast Track Performa Clearance (FTPC) to Revised Cost Estimate (RCE) for Rs. 937.92 crore (AIBP component cost= Rs. 742.24 Cr) at 2013-14 price level. Of the total AIBP cost, the cost of AIBP works component is Rs. 688.00 crore (excluding CADWM works of Rs. 54.24 crore). The details of cost are shown below in the table.

Particulars	As per cost estimate approved by Planning Commission in Dec 2007 (PL 2006-07)	As per FTPC accorded by CWC in September 2017 (PL 2013-14)
Estimated Cost (in crore)	287.77	937.92
Works Component (in crore)	269.99	817.31*
AIBP Components (in crore)	183.24	688.00
CCA (ha)	13766	13766
ICA (ha)	6883	6883
Annual Irrigation Potential (ha)	11288	11288

* The work component approved is excluding the cost of branch canal (B4) of Rs. 35.98 crore, which was not in the original proposal approved by Advisory Committee of Ministry of WR, RD & GR in its 90th meeting held in September 2007. The CADWM components approved by the CADWM wing, Ministry of WR, RD & GR vide letter no. 19011/28/2017-CADWM dated 18.08.2017 for Rs. 32.45 crore.

3.0 Environment and Forest Clearance

3.1 Environment Clearance

The Ministry of Environment & Forests (MoE&F), Government of India vide letter no. J-12011/68/2007-1A.1 dated 21.09.2007 stated that since the project execution started during 1980-81 i.e. before issuance of EIA notification 1994/2006, therefore, the project does not require environmental clearance.

3.2 Forest Clearance

The Ministry of Environment & Forests (MoE&F), Government of India accorded forest clearance for diversion of 6.38 ha of forest land on 19.06.2000 subject to compliance of certain conditions.

4.0 Inclusion in Accelerated Irrigation Benefit Program (AIBP)

Sangola Branch Canal was included in AIBP during 2007-08. The construction of civil works of the project started in 1980. The completion status of components, before the inclusion of project in AIBP is given below in the table.

Sl. No.	Components	% completed (before AIBP inclusion)
A	Main Canal (NRBC)	
(i)	Land acquisition	100
(ii)	Earthwork	92.16
(iii)	Lining	4.72
(iv)	Strengthening of Existing Structures	0
B	Branch Canal (SBC)	
(i)	Land acquisition(312/557) ha	56.01
(ii)	Earthwork(2257.68/3132.63)th.cum	72.07
(iii)	Lining (13.63/1590.51)th.cum	0.86
(iv)	Structures(157/245) nos.	64.08
C	Distributaries & Minors (SBC)	
(i)	Land acquisition(30/269) ha	11.15
(ii)	Earthwork(361.45/1382.17)th.cum	26.12
(iii)	Structures(95/749) nos.	12.68

5.0 Changes in the scope/components of the project

Project authorities reported that there is no change in the scope of the project. However, due to exorbitant cost of land & land acquisition problem in the command area, piped distribution network (PDN) has been planned in place of conventional open canal in the reach of Sangola branch canal from 85 to 103 km (Now 85 to 99 km for PDN) and in balance distributary works.

Lining of branch canal B2 has been proposed in place of distributaries D9, D21 & D24 of branch canal B1. This decision was taken in view of ease of work and quantum of water that can be saved from branch canal in comparison to lining in 3 distributaries.

6.0 Land Acquisition & Resettlement and Rehabilitation Works

6.1 Land Acquisition

As per SLTAC, total land required for the project is 729.00 ha. Out of which, 6.38 ha is forest land and 722.62 ha is private land. No government land is involved in the project. The said figures for total land required for the project were later revised to 690.85 ha.

Thereafter, Project Authority reported that Piped Distribution Network (PDN) has been planned in place of conventional open canal in the reach of Sangola branch canal between 85-103 km. In addition to that, PDN has also been planned for balance distributary work. Thus, the revised total land required for this project now stands at 540.72 ha.

The actual land requirement for various components of the project and the status of land acquired by April 2026 is given below in the table.

Type of Land	Area Required (Ha)	Revised Area required (Ha)	Area Acquired (Ha)	Balance Area (Ha)
Private	722.62	534.34	443.77	90.57
Forest	6.38	6.38	6.38	--
Total	729	540.72	450.15	90.57

Out of the balance area of 90.57 ha. to be acquired, 86.70 ha. is in the possession with the Deptt. and only remaining 3.87 ha. land is in the process of acquisition.

6.2 Resettlement and Rehabilitation Works

The project involves only strengthening & remodeling of existing Nira Right Bank Canal (NRBC) and extension of canal system by constructing new branch canal i.e. Sangola branch canal (B5). Therefore, R&R work is not involved in the project.

7.0 External Assistance

Project authorities reported that no external assistance/funding are received for project components included in AIBP.

8.0 Physical Progress of the Work

Sangola branch canal (major) irrigation project envisages construction of a new branch canal namely Sangola Branch Canal that off-takes from existing Nira Right Bank Canal (NRBC) at 169 km. The Nira Right Bank Canal takes off from the Vir dam. Vir Dam was constructed during the period from 1957 to 1965. Earlier it was a pick-up weir, which was a part of the Nira River canal system comprising a storage reservoir at Bhatghar on river Yelwandi (a tributary of Nira River) constructed during 1920 to 1927 and Vir pick up weir 25 km downstream of Bhatghar Dam. Irrigation from Vir dam through canals (unlined) on both banks is provided through a joint operation of Bhatghar and Vir dam. Water from Bhatghar is released into Veer dam where it is utilized for irrigation by Nira left Bank canal (NLBC) and Nira Right Bank canal (NRBC).

8.1 Strengthening of 23 aqueducts on existing NRBC (1-169 km)

Total 23 aqueducts on existing Nira Right Bank Canal (NRBC) of length 169 km are to be strengthened. Out of 23 aqueducts, works for all 23 are completed.

Sr.No.	Status of Work	No. of Aqueducts	Target date of completion
1	Completed	23	-
2	Work in Progress	0	

3	Work yet to Start	0	
	Total	23	

The status of each aqueduct is given at **Annexure-II**.

8.2 Strengthening of 117 culverts on existing NRBC (1-169 km)

There are 117 Culverts on existing Nira Right Bank Canal (NRBC) of length 169 km that are to be strengthened. Out of 117 culverts, strengthening of 113 culverts is completed and strengthening of remaining four (04) existing culverts presents execution challenges owing to the extremely constrained working area available around the structures.

Sr.No.	Status of Work	No. of Culverts	Target date of completion
1	Completed	113	-
2	Work in Progress	00	
3	Work yet to Start	4	June 2026
	Total	117	

8.3 Lining and Remodeling of reach from km 114 to 169 on NRBC

Project authorities reported that remodelling of NRBC in the reach from 114-169 km is completed. Lining work in 55 km only was proposed, which is now fully completed.

8.4 Lining of Branch Canal (B1 & B3) on NRBC

Lining of existing branch canal (B3) of 32 km & its major distributary namely D3 (6km) & D8 (9km) and branch canal (B1) of 30 km & its major distributary namely D9 (12.30km), D21 (05.20 km) & D24 (10.40km) on NRBC have been included in the AIBP component.

- Lining work is completed on branch canal (B3).
- All lining work of B3 distributary (D8) and (D3) is completed.
- In branch canal (B1), lining is completed
- The lining work of distributary (D4) on branch canal (B1) is completed having length of 16 km.
- Project authorities reported that lining of branch canal (B2) has been proposed in place of distributaries D9, D21 & D24 of (B1), in view of ease of work and quantum of water that can be saved from branch canal in comparison to lining in the above mentioned 03 distributaries. The works of lining of branch canal (B2) is also completed.

8.5 Sangola Branch Canal (B5)

Nira right Bank canal ends at chainage 169 km. Just before the end point of NRBC, the Sangola branch Canal (SBC B5) off-takes at 168.9 km. The off-taking point of branch Canal No. 4 of the NRBC is also just upstream of 169 km. This location was visited by the monitoring team. SBC has total 41 distributaries & 23 direct outlets along the length. Irrigation potential of 11,012 ha. has been created out of 11,288 ha.

Out of 103 km length of Sangola branch Canal, Piped Distribution Network (PDN) has been planned in place of conventional open canal in the reach from 85 to 103 km (now 85 to 99 km for PDN). The earthwork on 0-84 km is completed and structures up to km 84 are completed. Hydraulic connectivity of the SBC has been established up to km 83.342. The distribution network of this reach, up to Dy No. 28, is completed and it is open canal system. However, the works of Dy No. 9, 14, 14A, 15, 16, 17, and 21 has been proposed to be converted from open to PDN. The work of these Dys was partially completed in patches as open Canal system however due to opposition of the farmers; the work could not be taken further. Accordingly, as per the WRD policy, the MKVDC, Pune decided to convert these Dys to PDN. Now, the works of these Dys are almost completed.

The two major bottlenecks on Sangola branch Canal were siphons at km 77.21 and km 82.97. The Siphon at 77.21 km on Korda River & Siphon at 82.86 km on Aparupa river have been completed and Hydraulic connectivity got established up to 83.342 km.



SBC main canal PDN starting chamber point at 85 km



SBC main canal PDN starting point at 85 km

The construction of Village Road Bridge (VRB) at 83.342 km was balance; hence, hydraulic connectivity from 83.342 km to tail end was not established up to April, 2025. Now the construction of VRB at 83.342 km is completed and hydraulic connectivity gets extended up to tail. However, testing of PDN from 84 km to tail end is pending, only dry potential is created.



VRB at km 83.342 completed

The physical progress for the work under AIBP upto April 2026 is given at **Annexure-III**. The T- diagram of the whole canal system is given at **Plate-IV**.

9.0 Irrigation Potential Creation under AIBP

Irrigable command area (ICA) of the project is 6,883 ha and ultimate irrigation potential is 11,288 ha. Irrigation potential creation was 'nil' before inclusion in the AIBP. The year-wise details of ultimate irrigation potential created and irrigation potential utilized in the project up to April 2026 is given below in the table.

Sl. No.	Year	Irrigation potential (ha)	
		Created	Utilized
1	2007-15	5815	4825
2	2015-16	0.00	1851
3	2016-17	0.00	4908

4	2017-18	0.00	5852
5	2018-19	1727	5756
6	2019-20	1470	6620
7	2020-21	0	0
8	2021-22	0	0
9	2022-23	0	8000
10	2023-24	0	500
11	2024-25	2000	0
12	2025-26	0	0
13	2026-27	0	0
Total		11012	8500 Max

As on April 2026, the UIP created is 11,012 ha as against the target of 11,288 ha. Out of total ICA of 6,883 ha., ICA of 6,015 ha. has been created on disnet & 700 ha. is created on micro irrigation. So, total ICA created is 6,715 ha. Balance area is planned to be created by June, 2026. The status of irrigation potential created is given at **Annexure-IV**.

10.0 Financial Progress of the Work

The project was included in AIBP during 2007-08 with a balance cost of AIBP component amounting to Rs. 183.24 crore. Before the inclusion of the project under AIBP, Rs. 76.41 crore was incurred for the project. As per FTPC, the revised cost of AIBP components is Rs. 742.24 crore at 2013-14 price level. The cost of AIBP components is Rs. 688.00 crore (excluding CADWM works of Rs. 54.24 crore). Central Assistance (CA) amounting to Rs. 171.49 crore has been released and expenditure of Rs.713.18 Crore has been incurred upto April 2026. The year-wise details of central assistance (CA) released and expenditure incurred in the project up to April, 2026 is given below in the table.

Sl. No.	Year	CA released(cr.)	Actual expenditure(cr.)
1	2007-08	11.30	6.82
2	2008-09	67.37	7.72
3	2009-10	0	27.49
4	2010-11	0	53.53
5	2011-12	60.39	39.67
6	2012-13	0	22.29
7	2013-14	0	42.9
8	2014-15	0	0
9	2015-16	0	0
10	2016-17	1.314	13.59
11	2017-18	2.454	34.69
12	2018-19	5.100	86.17
13	2019-20	5.23	111.58

14	2020-21	4.148	69.46
15	2021-22	8.173	95.03
16	2022-23	4.733	50.15
17	2023-24	1.286	30.25
18	2024-25	0	14.59
19	2025-26	0	7.25
20	2026-27 (till April'2026)	0	0
	Total	171.49	713.18

No budgetary provision has been kept for FY 2026-27. The financial progress for the works of the project under AIBP up to month of April, 2026 is given in **Annexure-V**.

11.0 Command Area Development and Water Management (CADWM) Works

As per PMKSY guidelines, command area development and water management (CADWM) work in the project has to be carried out *pari - pasu* with construction of canal system to benefit the farmers earliest. Ministry of WR, RD& GR vide letter no. 19011/28/2017-CADWM 458 dated 18.08.2017 accorded acceptance for inclusion of the project in CADWM programme for an estimated cost of Rs. 3244.87 Lakh (Central share Rs. 1382.83 Lakh and State share Rs. 1862.04 Lakh) to cover 6883 ha (ICA) of the project.

As reported by the project authorities 1189.09 ha. (ICA) ha has been created up to 04/2026 under CADWM.

Project authorities informed that the following 03 tenders for CADWM works are ongoing:

Tender No.	Name of Work	Proposed area for the tender (ICA Ha.)	Created area (ICA Ha.)
B-1/6 for 2022-23	SBC PDN works for Dy. No. 8 B to 15 & Outlet 1 to 7	749.33	70.99
B-1/4 for 2022-23	SBC PDN works for KM 85 to 99	1080	0.00
(B-1/5 for 2022-23)	SBC PDN works for Dy. No. 16 to 27 A & Outlet 8 to 14	943.35	757.64
	Area created before these tenders		360.46

	Total	2272.68	1189.09
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All remaining CADWM work is now planned as PDN. It is envisaged that water will be given to Water User Associations at the PDN outlet, for further distribution by them for irrigation or for storing in farm Ponds or MI tanks. In the command of this project, the farmers prefer to take the canal water and store it as per the facility available with them (MI tank, farm pond, Nalla Bund, well etc.) and use it as per their requirement using micro irrigation systems.



Project authorities informed that a single tender for balance CAD work is planned to be floated (except for the reach of 85-99 km). The PDN design, alignment and drawing for the CAD work is completed and the tender Work is going on.

Project authorities informed that the open canal system is not favoured by the farmers in this command area. PDN is preferred by the farmers not only because of no land acquisition but also because of the absence of seepage from the PDN. The continuous seepage of water from the canal in open canal system impacts the flowering of the plants particularly along the length of the canal as the soil in this area always remains wet. Water stress is required for certain plants for the flowering, however if the area remains wet, then the flowering does not happen and the yield is adversely affected.



It was informed by project authorities that this area is draught prone area and watershed works had been carried out earlier constructing many decentralised storages across the CCA. At present, the Water Users Associations (WUAs) of the area have expressed a preference for continued use of these storages for irrigation purposes, as the benefits envisaged under the CADWM programme have not materialized owing to its slow progress in the command area

Despite, the budgetary provision of Rs. 14.00 crores for CADWM works in FY 2025-26, **NIL** expenditure has been reported to be incurred. A budgetary provision of **Rs. 13.26** crores has been kept for CADWM Works in FY 2026-27. Total expenditure up to April, 2026 is **Rs. 5.93 Cr.** Total central assistance (CA) of **Rs. 1.93** crore has been released to the project upto April 2026. The physical and financial programme for CADWM works are given at **Annexure-VI & VII** respectively. The target date of CADWM work is now **Dec-2026**.

CADWM Financial progress		Amount in Crores
1	Total Estimated Cost	32.45
2	Expenditure by the end of April 2026	5.93
3	Balance cost by the end of April 2026	26.52
4	Estimated expenditure for the Ongoing tenders	10.37

12.0 Formation of Water User Associations (WUAs)

Total 32 Water User Associations (WUAs) are proposed to be formed in the command. All 32 WUAs have been formed and 28 WUAs have been handed over to management up to April-2026. The status of WUAs formation is given below in the table.

WUA under PMKSY, CADWM		Progress of WUA up to April-2026								Remarks if any
		Gazette Notification 1&2 Published		Gazette Notification 3 Published		Registered with Department		WUA Handing over/Taken Over Complete		
No.	CCA	No.	CCA	No.	CCA	No.	CCA	No.	CCA	Remaining 4 WUA Handing over after CADWM works completion
32	13766	32	13766	32	13766	32	13766	28	10897	

The detailed Status of WUA formation is given at **Annexure-VIII**.

13.0 Organization and Management aspects

13.1 Organizational Set-up

The project is under the administrative control of Executive Director, Maharashtra Krishna Valley Development Corporation (MKVDC) at Pune, an undertaking of Government of Maharashtra. Chief Engineer, Water Resource Department at Pune is In-Charge of the project. The construction of the project supervises by the Superintending Engineer, Pune Irrigation Project Circle, Water Resource Department at Pune. The project is being executed by Executive Engineer, Minor Irrigation Division No-1 at Pandharpurthrough six sub divisions namely (i) Sangola Branch Canal Project Sub-Division No.4, Phaltan, (ii)Sangola Branch Canal Project Sub-Division No.5, Malshiras, (iii) Sangola Branch Canal Project Sub-Division No.6, Mahud, (iv) Sangola Branch Canal Project Sub-Division No.1 Sub-Division, Sangola, (v) Sangola Branch Canal Project Sub-Division No.2, Sangola& (vi) Sangola Branch Canal Project Sub-Division No.3, Sangola.

13.2 Design

Government of Maharashtra has issued an office memorandum dated 24.08.2017 and delegated powers for design of structures as given below.

- (i) Design of structures with cost less than Rs. 10 crore/structures on canals having carrying capacity of less than 10 cumec shall be done by Regional Design units.
- (ii) Design of structures other than above, LIS, Dams, Aqueducts, Barrage Gates and Canal embankments of height more than 15 m shall be done by CDO, Nasik.
- (iii) Design of canal layouts is to be got approved from Chief Engineer/ Superintending Engineer.
- (iv) If required, specific designs can be got done from private renowned Engineering consultants. Such powers have been given to the regional Chief Engineer.
- (v) Designs of bridges on V.R.B., O.D.R., M.D.R. are to be done as per the standard templates issued by PWD and to be got vetted from regional design units.
- (vi) For designs of bridges on State and National Highways, the requisite N.O.C. is to be obtained from concerned PWD.

13.3 Delegation of Power for award of works and sanction of extra items

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

	Authority Level	Powers to award works
1	Executive Engineer	Upto Rs. 1.00 crore
2	Superintending Engineer	Upto Rs. 2.50 crore
3	Chief Engineer	Upto Rs. 15.00Crore
4	Mantralaya, Mumbai	Full powers

14.0 Status of Awards of Works

Project Authorities informed that currently 03 tenders are in progress (i) for 85-99 km of main canal as PDN, disnet and CAD work with estimated cost of 30.36 Cr (ii) dy no 16 to 27 A for balance distributaries, disnet and CAD works with estimated cost of 18.13 Cr. and (iii) dy no 8B to 15 for balance distributaries, disnet and CAD works with estimated cost of 12.69 Cr. with completion time of 12 months, likely to be completed by Dec-2026.

15.0 Quality Control &Assessment

The quality control works of the project are being looked by a quality control organization independent of construction wing, headed by the Chief Engineer, Koyna Hydro Project at Pune. Superintending Engineer, Quality Control circle at Pune supervises the quality control aspects of the project through Executive Engineer, Quality Control division at Pune and a sub-division at Pandharpur for field

assessment. The Class-A laboratory is located at Pune and Class-B laboratory is located at Pandharpur.

16.0 Compliance of Observations/Comments given in the last Monitoring report

Compliance of Observations/Comments given in the last Monitoring report (April'2025) submitted by the project authorities as below:

Sl.	Observations/ Comments of April, 2025 visit	Compliance submitted by Project Authority
1	A village road bridge (VRB) work at km 83.342 is pending. Without completion of this, the hydraulic connectivity cannot be extended beyond this point. Project authorities required to complete the work of VRB at the earliest so as to extend hydraulic connectivity further beyond this point.	A village road bridge (VRB) work at km 83.342 is now completed. Now, hydraulic connectivity has been extended beyond this point.
2	As compared to the AIBP work, the CADWM work is lagging behind. The guidelines of AIBP and CADWM always emphasize on simultaneous execution of these works, so that the potential created is utilized at the earliest and the benefits of the investment are realized. However, in the Sangola branch Canal project, it is seen that in-spite of substantial potential creation the utilization is lagging behind due to incomplete CAD work. The balance CAD work needs to be expedited.	The progress of CADWM works has been affected due to issues such as land availability, standing crops, co-ordination with beneficiaries and other field constraints. As well as, it has been proposed that the CADWM works for distributaries which were previously completed using the traditional open channel system method to be executed by PDN method under proposed 4th RAA. The balance work will be carried out once necessary approvals are obtained.
3	As the CADWM works are planned to be completed with PDN, micro irrigation systems can be best utilized in conjunction with PDN. Accordingly, special efforts can be made to sensitize the farmers about the suitability of micro irrigation systems. Appropriate trainings, demonstrations and farm visits can be organised. Special efforts need to be made for the capacity building of the farmers in micro irrigation systems, so that the benefits of PDN are fully	The department recognizes the importance of micro-irrigation systems for efficient utilization of water supplied through the PDN network. Necessary steps will be taken in coordination with the Agriculture Department, NGOs and Water Users Associations to create awareness among farmers regarding the benefits and suitability of micro-irrigation systems. Training programmes, field demonstrations,

	realized.	exposure visits and capacity-building activities will be organized to encourage adoption of micro-irrigation and maximize the irrigation benefits under the project.
4	There is siltation in many parts of the Sangola Branch canal. The PDN is going to start from 85.0 km. Before the canal is made operational, it will require comprehensive de-siltation measures to remove its silt.	Under the "Pakharan" (afforestation) program of this department, the works for desilting of the Sangola branch canal will be carried out accordingly.
5	Debris was seen in the Canals at many some places whereas there was vegetation growth in other places. For efficient water flow and to avoid conveyance losses during operation, it is necessary that the canals.	Under the "Pakharan" (afforestation) program of this department, the works of removing debris of the Sangola branch canal will be carried out accordingly.
6	Infrastructure grant: One of the important aspects in establishing and strengthening the WUAs is the infrastructure grant and functional grant. The infrastructure grant is to be used for creating an office infrastructure for the WUA so that they can have the regular meetings there and they can use office for the Record Keeping and other activities. However, it is seen that till date not a single WUA has been given the infrastructure grant, nor there are any standard norms for establishment of their office and the facilities that it can have. The progress of the project authorities in this respect is NIL. It is very important that the non-governmental organizations which have been given the task of strengthening the WUAs take up the issue of work of infrastructure development in consultation with the project authorities also. NGO/WUAs can make the efforts in the local Gram Sabha to get the resolution passed for providing	The process of strengthening Water Users Associations (WUAs) is being taken up in a phased manner. Necessary action will be initiated for utilization of infrastructure grants and establishment of basic office infrastructure for eligible WUAs as per applicable guidelines and availability of funds. Efforts will also be made to strengthen record keeping, regular meetings and other institutional activities of WUAs for sustainable management of the irrigation system.

	necessary land to the WUAs for construction of office. The project authorities need to direct all the NGOs to work in this direction.	
7	Functional grant: Functional grant @ Rs.1200 per hectare is to be provided to the WUAs so that they can start their work with this financial support. The functional grant is to be deposited as a fixed deposit and the interest from this fixed deposit is to be used by the association for its various activities. The release of functional grant is important so that the WUAs can have some income to spend on various activities. Till date the projected authorities have given nearly half of the functional grant to the WUAs. The progress on this component is about 50% only. The project authorities need to work on this aspect and report progress.	Functional grants have been released to eligible Water Users Associations (WUAs) in a phased manner as per the provisions of the scheme and availability of funds. Necessary action is being taken to release the balance functional grants to the remaining eligible WUAs after completion of the prescribed formalities. Continuous follow-up is being carried out to ensure timely disbursement and effective utilization of the grants. Progress in this regard will be reported periodically.

17.0 Observations/Comments based on visit:

1. Now the construction of VRB at 83.342 km is completed and hydraulic connectivity gets extended up to tail. However, testing of PDN from 85 km to tail end is pending, only dry potential is created.
2. The strengthening of four (04) remaining existing culvert on NRBC is still not done/completed due to space constrained but it is essential to complete this task on priority with updated plan & methodology.
3. The irrigation potential created by the end of April-2026 is about 11012 ha against the target of 11288 ha under AIBP. There is a balance irrigation potential to be created is 276 ha. This is mostly in the balance work of 85 to 103 km and other patches. The project authorities need to expedite the remaining works especially PDN work with a view to achieve full hydraulic conductivity and create irrigation potential.
4. As informed by Project authorities there is a 3.87 ha of land yet to be acquired for the project for which proposals are to be sent to Revenue department. The project authorities are required to expedite acquisition process for the project for its completion within the time limit. The entire land required for the project is in possession of department and no work is pending because of the land

acquisition. Only payment to farmers is in process with the help of revenue and agricultural department.

5. There is heavy siltation in many parts of the Sangola Branch canal. The PDN is going to start from 85.0 km. Before the canal is made operational, it will require comprehensive de-siltation measures to remove its silt. The silt can be very detrimental for the PDN. It is very important to have proper system for silt management in place, so that only clear water enters the PDN. MKVDC needs to formulate a silt prevention policy and implement it on ground through contractors, NGOs and water user associations. A system of checks and balances with a proper cleaning schedule also needs to be implemented. It is also very important to sensitize the farmers about the difficulties that may arise due to silt ingress in PDN.
6. As compared to the AIBP work, the CADWM work is lagging behind. The guidelines of AIBP and CADWM always emphasize on simultaneous execution of these works, so that the potential created is utilized at the earliest and the benefits of the investment are realized. However, in the Sangola branch Canal project, it is seen that in-spite of substantial potential creation the utilization is lagging behind due to incomplete CAD work. The expenditure during entire 2025-26 is **NIL**. The physical & financial progress under CADWM work is very poor and required immediate attention of project authority. The balance CAD work needs to be expedited with the revised target date of completion of activities under CADWM.
7. As the CADWM works are planned to be completed with PDN, micro irrigation systems can be best utilised in conjunction with PDN. Accordingly, special efforts can be made to sensitize the farmers about the suitability of micro irrigation systems. Appropriate trainings, demonstrations and farm visits can be organised. Special efforts need to be made for the capacity building of the farmers in micro irrigation systems, so that the benefits of PDN are fully realized.
8. Infrastructure grant: One of the important aspects in establishing and strengthening the WUAs is the infrastructure grant and functional grant. The infrastructure grant is to be used for creating an office infrastructure for the WUA so that they can have the regular meetings there and they can use office for the Record Keeping and other activities. However, it is seen that till date not a single WUA has been given the infrastructure grant, nor there is any standard norms for establishment of their offices and the facilities that it can have. The progress of the project authorities in this respect is NIL. It is very important that the Non-governmental organizations which have been given the task of strengthening the WUAs take up the issue of work of infrastructure development in consultation with the project authorities also. NGO/WUAs can make the efforts in the local Gram Sabha to get the resolution passed for providing necessary land to the WUAs for construction of office. The project authorities need to direct all the NGOs to work in this direction.

9. The release of functional grant is important so that the WUAs can have some income to spend on various activities. Till date the projected authorities have given nearly half of the functional grant to the WUAs. The progress on this component is about 50% only. The project authorities need to work on this aspect and report progress.
10. Proper maintenance of the irrigation assets created under this project needs attention. Lot of debris/clay was seen in the lined Canals at many places; there was vegetative growth also in some reaches. For efficient water flow and to avoid losses during conveyance, it is necessary that the canals and outlets are maintained in proper condition. Adequate budget needs to be allocated for the maintenance of the canal system.
11. Project authorities should be vigilant about the material supplied to them specially pipes, cement and steel. Material testing certificates should be taken from the vendor and kept in records. Further, onsite testing is also required to be done as per relevant IS codes and quality assurance plan. It has been observed that third party quality control also there to check quality.
12. Welding in pipelines is a very specialized job therefore welder qualification needs to be checked and only certified welders should be allowed to be deployed for the job. Further, it should be monitored and recorded properly and testing should be done as per quality assurance plan of the department.
13. The project's distribution system is predominantly based on a Piped Distribution Network (PDN), which requires specialized operation and maintenance practices compared to conventional canal systems. It is therefore necessary to develop and institutionalize detailed Standard Operating Procedures (SOPs) covering system operation, maintenance schedules, emergency response, leak detection, pressure management, and asset management. Further, dedicated training and capacity-building of the operational staff should be undertaken to ensure efficient functioning of the PDN and sustained realization of the irrigation potential created.
14. Display Boards for giving information about the projects may be placed near important structures of the project.

VISIT PHOTOS







		Salient Features	
1	Name of the project	:- Sangola Branch Canal Project.	
2	General:	:-	
2.1	River Basin		
	a) Name	:- Bhima Basin, Nira Sub basin	
	i) State	:- Maharashtra.	
2.2	Name of District.		
	a) District	:- Solapur.	
	b) Taluka Tahsil(s)	:- Sangola.	
	c) Canal & Command Area	:- Sangola.	
2.3	Location		
2.3.1	Project area reference to		
	a) Degree sheets.	:- 47, 0/3, 47, 0/4	
2.4	Acess to the project	:- Name	Distance from Project site
	a) Air Port	:- Pune	240 Kms.
	b) Rail head	:- Sangola	17 Kms.
	c) Road head	:- Sangola	17 Km.s.
	Estimated life of the	:-	
2.5	(Project (years))	100 Years.	
3	Type of Project	:- Irrigation	
3.1	Irrigation (ha.)	:- By flow	
	Projected Area in Ha.	SBC	
	a) GCA	:- 19174	
	b) CCA	13766	
	c) ICA	:- 6883	
	d) Cropped Area	11288	
	e) Area under Irrigation in different seasons (Ha)	:- SBC	
	i) Kharif	: 4403	
	ii) Rabbi	: 4404	
	iii) Two sasonal	: 2481	
	iv) Perennial	: 0	
	Total	11288	
	e) Cost per Hector of Area Irrigated : (ICA) 6883 Ha.	Rs. 10.78 lakhs	
	f) Cost per ha. of CCA 13766 ha.	: Rs.5.39 lakhs.	

g) Cost per ha. of GCA 19174 ha.	:	Rs. 3.87 lakhs.
h) Cost per ha. of cropped area: 11288 Ha	:	Rs. 6.57 lakhs.
i) Total cost of the project	:	Rs. 81731 lakhs.(Works Rs. 74224 lakhs)
3.2 Water supply		Water reserved for domestic use is 5% of irrigation requirement.
3.3 Hydrology		a. Availability of water is from saving in seepage and transition losses due to lining of existing N.R.B.,C. from KM No. 115 to 169 & Br. 1& 3 & major 6 distribotories on it. (111.72 M.Cum.)
		b. Water requirement for S.B.C. 72.47 M.Cum.
3.4 Reservoir		Not applicable.
3.5 Canal system		
3.6.1 Main canal		Nira Right Bank Canal
3.6.2 Purpose of canal	:	Irrigation.
3.6.3 Type		
a) Flow/ Lift.	:	Flow
b) Lined/ Unlined	:	NRBC-Unlined 1 to 114 Kms & Lined Km 115 to 169 SBC-Lined1 to 74 Kms & Unlined Km 75 to 103
c) Discharging capacity of the canal	:-	NRBC-1967 Cusecs. SBC- 310 Cusecs
d) Type of lining	:	P.C.C. lining M.15 for Bed. (10 Cm thick) M 15 for sides (8 Cm thick)
3.6.4 Branch canal data	:	Sangola Branch Canal
a) Length	:	103 Kms.
b) F.S.L.at head	:	R.L.530.755
c) F.S.D.at head (m)	:	1.42 m
d) Bed width at head (m)	:	6.25 m
e) Side slope at head	:	0.25:1 in H.R. and 1.5:1 in Bank.
f) Bed slope (range)	:	1:5000 ,from 0 to 48/500 1:3000, from 48/500 to 103.
g) Total number of structures	:	286
3.6.5 Efficiencies (Percentage)		
i) Conveyance	:	75%
ii) Field efficiency	:	60%

4 Cropping pattern.

Name crop :		Percentage Area (CCA)	
		Existing	Proposed
a) Two seasonal			
1) Cotton :		1.01	7.77
2) Sugarcane :		1	5.28
3) Pomegranate		5.85	20.24
4)Grapes		0	2.75
Total :		7.86	36.04
b) Kharif seasonal			
1. Kharif jawar :		0	0
2. Bajari :		11.16	9.98
3. Ground nut :		1.01	19.99
4. Pulses :		6.01	0
5. Tur :		0	12
6. Maize :		1.01	19.99
7. Fodder :		1.99	0
8. Vegetables :		0	0
9. Sunflower/Soyabean :		0	2
Total.		21.18	63.96
c) Rabi seasonal			
1. Wheat :		2	5
2. Rabbi Jawar :		40.97	27
3. Vegetables :		0	11
4. Gram :		1.01	0
5 Rabbi Onion		0	13.01
6. Sun flower :		2.98	0
7 Sunflower/Soyabean		0	7.99
Total.		46.96	64
Grand Total		76	164

5 Cost of the Project in Lakhs

- 5.1 Unit I Head works : Nil
- 5.2 Unit II works portion Main : Rs. 81731 lakhs.(Works Rs. 74224 lakhs)
- 5.3 Canal & branches
- 5.3 Allocated cost
- a) Irrigation : Rs. 81731 lakhs.(Works Rs. 74224 lakhs)

6 Benefits / Revenue

- a) Food production : 27052.60 lakhs
- 6.10 Benefit cost ratio : 3.17

Executive Engineer
Minor Irrigation Division No.1
Pandharpur

Status of Aqueduct of N R B C**As on 04/2026**

Aqueduct no.	Ch. (km)	Status of work	Target date of completion
1	0.567	Completed	-
2	8.870	Completed	-
3	16.140	Completed	
4	17.760	Completed	-
5	23.800	Completed	-
6	34.590	Completed	-
7	40.170	Completed	-
8	44.328	Completed	-
9	46.940	Completed	-
10	52.580	Completed	-
11	63.120	Completed	-
12	66.275	Completed	-
13	69.570	Completed	-
14	72.045	Completed	-
15	78.520	Completed	
16	82.710	Completed	-
17	95.096	completed	
18	105.860	Completed	-
19	108.696	Completed	
20	132.793	Completed	-
21	139.522	Completed	-
22	151.555	Completed	
23	160.375	completed	

Total No. Aqueduct - 23**Completed - 23****Work in progress - 00**

PROFORMA-II

Monthly Progress Report for Major and Medium Projects (PHYSICAL)

Name of the Project : Sangola Branch Canal Project (As per approved in Fast Track Proforma)

Month and Year : April- 2026

Potential in Th.h..Qty in th cum

Sr No	Description of Item	Unit	Revised Estimated Qty.As per FTPC	Qty.Ex up to 31/03/2025	Balance Qty. as on 1/4/2025	Target for 2025-26	Qty Ex. up to Last month 03/2026	Programme/Progress during this Month 04/2026		Up to date cummulative/progress during the Year 2025-26		Remark
								Target	Achievement	Target	Achievement	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	UNIT -I / HEAD WORKS DAM											
												Nil
2	UNIT -II MAIN CANAL & BRANCH CANAL											
	I) Land Acquisition	Ha	117.72	36.16	81.56	40.78	0.00	3.40	0.00	40.78	0.00	
	ii) Earth Work	Tcum	3244.72	3597.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iii) Lining	Tsqm	2468.07	2739.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iv) Structures	No	286.00	261.00	25.00	25.00	0.00	2.08	0.00	25.00	0.00	
3	UNIT III- DISTRIBUTORY & MINOR											
	I) Land Acquisition	Ha	285.47	248.83	36.64	18.32	0.00	1.53	0.00	18.32	0.00	
	ii) Earth Work	Tcum	1020.72	708.03	312.69	156.35	27.52	13.03	0.00	156.35	27.52	
	iii) Structures	No	654.00	488.00	166.00	83.00	0.00	6.92	0.00	83.00	0.00	
4	I.P. Creation	Th.Ha	11.288	11.012	0.276	0.276	0.276	0.02	0.00	0.276	0.000	

The CADWM component of project is separately approved by CWC, New Delhi vide letter No. 19011/28/2017 Dt.18/08/2017 for cost of Rs. 32.45 Cr. so that target of CADWM work 13766 Ha. is eliminated in physical programme. Also progress report of CADWM work prepare separately

(Ramesh Kshirsagar)
Executive Engineer
Minor Irrigation Division No 1
Pandharpur

Annexure-IV

The works of following Dys are under progress and targeted to be completed by April 2026.

Sr. No	Name of Distributory	Off-take RD (m)	ICA envisaged (ha)	ICA created up to 04/2026 (ha)	ICA balance (ha)
1	2	3	6	7	8
1	1	18840	14.59	14.59	0.00
2	2	20805	5.29	5.29	
3	3	26450	19.92	19.92	
4	4	27270	48.12	48.12	
5	5	31780	334.00	334.00	
6	6	32195	1139.00	1139.00	
7	7	33500	623.58	623.58	
8	7A	35010	72.00	72.00	
9	8	36320	44.61	44.61	
10	8A	36870	177.54	177.54	
11	8B		53.79	53.79	
12	9	38335	90.93	90.93	
13	10	41030	102.24	102.24	
14	11	42480	6.06	6.06	
15	12	43500	367.20	367.20	
16	13	44380	86.4	86.4	
17	13A	45465	48.6	48.6	
18	13B	46800	221.80	221.8	
19	13C		66.34	50.00	16.34
20	14	51940	51.80	39.80	12
21	14A (PDN)	54480	14.20	11.00	3.20
22	15 (PDN)	55180	136.30	125	11.30
23	16	56020	51.61	47.15	4.46
24	16A (PDN)	57420	63.06	55.61	7.45
25	17 (PDN)	60500	46.26	35.00	11.26
26	17A		9.76	9.76	0
27	18 (PDN)	61500	32.40	32.40	0
28	18A		15.62	15.62	0
29	19	62540	177.31	162.51	14.80
30	20	62810	276.29	264.08	12.21
27	21 (PDN)	63230	37.61	37.61	0
	21A		20.37	20.37	0
28	22	66590	49.41	49.41	0
29	23	66590	122.29	114.04	8.25
	23A		58.88	54.19	6.69
30	25	71660	529.85	519.92	9.93
31	26	72340	263.98	259.84	4.14
32	27	78360	37.13	37.13	0
	27A		29.15	29.15	0
33	28	80260	121.54	121.54	0
34	Minor-1(L)	84000	34.44	25.00	9.44
35	Minor-2(L) & Minor-3(R)	84400	62.17	62.17	0.00
36	DOL-16	86160	15.54	15.54	0.00
37	Minor-4(R)	86590	19.42	19.42	0.00

38	Minor-5(R)	87740	19.77	19.77	0.00
39	Minor-6(R)	88560	8.64	8.64	0.00
40	Minor-7(R)	88680	8.37	8.37	0.00
41	Minor-8(L)	89200	45.99	45.99	0.00
42	Minor-9(L)	89360	54.71	54.71	0.00
43	Minor-10(R)	90320	27.58	27.58	0.00
44	Minor-11(L)	90780	84.20	79.20	5.00
45	DOL-17 & DOL-18	91690	46.37	46.37	0.00
46	DOL-19	92370	26.53	26.53	0.00
47	DOL-20	92920	28.37	28.37	0.00
48	Minor-12(L)	93415	104.34	104.34	0.00
49	Minor-13(R)	94240	24.74	24.74	0.00
50	DOL-21	94960	14.53	14.53	0.00
51	DOL-22	95290	29.90	29.9	0.00
52	Minor-14(L) & Minor-15(R)	95560	174.15	169.11	5.04
53	Minor-16(R)	96010	12.11	5.11	7.00
54	DOL-23	96660	27.78	27.78	0.00
55	DOL-24 & Minor-(17)	97300	100.84	87.84	13.00
56	Tail Minor (R)	97510	109.50	109.5	0.00
57	DOL-1		9.09	9.09	0
	DOL-2		4.87	4.87	0
	DOL-3		5.90	5.90	0
	DOL-4		4.76	4.76	0
	DOL-5		3.81	3.81	0
	DOL-6		13.46	13.46	0
	DOL-7		7.84	0	7.84
	DOL-8		8.92	8	0.92
	DOL-9		12.70	12.70	0
	DOL-10		9.48	9.48	0
	DOL-11		12.22	12.22	0
	DOL-12		13.35	13.35	0
	DOL-13		16.75	16.75	0
	DOL-14		14.18	14.18	0
	Total		6883	6715	168

The ICA envisaged of Sangola Branch Canal is 6883 ha, 6715 has been created on disnet balance area is planned to be created by June. -2026.

PROFORMA-I

Monthly Progress Report for Major and Medium Projects (FINANCIAL)

Name of the Project : Sangola Branch Canal Project (As per approved in Fast Track Proforma)

Month and Year : April- 2026

Rs in Cr.

Description of Item	Estimated Amt.	Latest Revised Cost Approved by FTPC	Expenditure up to 30/4/2025	Balance Cost as on 1/4/2025	Target for 2025-26	Qty Ex. up to Last month 03/ 2026	Programme during this Month 03/ 2026		Total Expenditure in 25-26 upto 04/2026	Remark
							Target	Achievement		
2	3	4	5	6	7	8	9	10	11	12
UNIT -I / HEAD WORKS DAM										
UNIT -II MAIN CANAL ,BRANCH CANAL										
I) Land Acquisition	5.30	16.18	16.28	-0.10	-0.10	0	0.00	0.00	0.00	
ii) Earth Work	74.66	64.54	73.20	-8.66	-8.66	0	0.00	0.00	0.00	
iii) Lining	86.89	177.55	179.16	-1.61	-1.61	0	0.00	0.00	0.00	
iv) Structures	58.57	346.33	339.66	6.67	6.67	0.31	2.22	0.00	0.31	
Total for UNIT -II	225.42	604.60	608.30	-3.70	-3.70	0.31	2.22	0.00	0.31	
UNIT -III DISTRIBUTARIES AND MINORS										
I) Land Acquisition	3.45	33.76	44.79	-11.03	-11.03	2.46	0.00	0.00	2.46	
ii) Earth Work	12.03	14.46	14.39	0.07	0.07	1.48	0.02	0.00	1.48	
iii) Structures	17.41	22.27	11.16	11.11	11.11	0	3.70	0.00	0.00	
Total for UNIT -III	32.89	70.49	70.34	0.15	0.15	3.94	3.72	0.00	3.94	
CAD-WM Works	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	
Miscellaneous	0.00	12.91	27.29	-14.38	-14.38	3.00	0.00	0.00	3.00	
Grand Total	258.31	688.00	705.93	-17.93	-17.93	7.25	5.95	0.00	7.25	

The CADWM component of project is separately approved by CWC, New Delhi vide letter No. 19011/28/2017 Dt.18/08/2017 for cost of Rs. 32.45 Cr. so that the cost of CADWM work of Rs. 54.24 Cr. is eliminated in financial programme. Also progress report of CADWM work prepare separately

(Ramesh Kshirsagar)
Executive Engineer
Minor Irrigation Division No 1
Pandharpur

Annexure-VI

Proforma 2 for Monthly Physical progress report for the Month ending April-2026

Name of Project- Sangola Branch Canal Project

Tal.-Sangola Dist.- Solapur

Name of State-Maharashtra

(Area in Ha)

Sr.no	Item	Unit	Total quantity of work involved	Achievement upto 03/2025	Target for 2025-26	Target for the 03/2026	Achievement Upto last month	Achievement during 04/2026	Achievement of 2025-26 upto 04/2026	Cummulative achievement upto end of 04/2026	Target for next 05/2026	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
I	Structural Interventions											
A	Survey, Planing, Design	Ha	6883.00	4920.00	1963.00	164.00	0.00	0.00	0.00	4920.00	328.00	
B	OFD works	Ha										
	i) Construction of unlined Field Channels /Pipe line distribution network	Ha	6193.00	1018.00	5175.00	431.00	171.09	0.00	171.09	1189.09	862.00	
	ii) Construction of lined Field Channels, laying of underground pipelines etc. for gravity flow	Ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iii) Mechanized land levelling in the hilly/difficult areas, lesser land levelling in selected areas	Ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iv) micro irrigation infrastructure including components of sump,pump,HDPE pipelines and pertinents Devices	Ha	690.00	0.00	690.00	58.00	0.00	0.00	0.00	0.00	116.00	
C	Construction of Field ,intermediate and link drains	Ha	6883.00	0.00	6883.00	574.00	0.00	0.00	0.00	0.00	1148.00	
d	Correction of system Deficiency	Ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
e	Reclamation of Water Logged area	Ha			0.00		0.00					
	i) Surface Drainage including reclamation through Bio Drainage	Ha	50.00	0.00	50.00	4.00	0.00	0.00	0.00	0.00	8.00	
	ii) Sub Surface Drainage	Ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total Structural interventions											

Sr.no	Item	Unit	Total quantity of work involved	Achievement upto 03/2025	Target for 2025-26	Target for the 03/2026	Achievement Upto last month	Achievement during 04/2026	Achievement of 2025-26 upto 04/2026	Cummulative achievement upto end of 04/2026	Target for next 05/2026	Remarks if any
II	NonStructural interventions											
a	onetime grant to registered/ elacted water user assositations(WUAs)											
	i) Functional Grant	Ha	6883.00	5449.00	1434.00	120.00	0.00	0.00	0.00	5449.00	240.00	
	2) Infrastructure grant	No.	16.00	0.00	16.00	1.00	0.00	0.00	0.00	0.00	2.00	
b	Training, Demonstration and adaptive trials(including on Micro irrigation, water use effeciency, increase productivity and sustainable irrigation.	No.	6883.00	0.00	6883.00	574.00	0.00	0.00	0.00	0.00	1148.00	
c	Incremental establishment including the cost payable to Social facilitator [Actual]											
d	Signboards	Sq. m	36.00	0.00	36.00	3.00	0.00	0.00	0.00	0.00	6.00	

(Ramesh Kshirsagar)
Executive Engineer
Minor Irrigation Division No. 1
Pandharpur

Annexure-VII

Proforma 1 for Monthly Financial progress report for the Month ending April-2026

Name of Project- Sangola Branch Canal Project

Tal.-Sangola Dist.- Solapur

Name of State-Maharashtra

(Rs. In Cr.)

Sr.no	Item	Total Cost of work involved	Achievement upto 03/2025	Target for 2025-26	Target for the 03/2026	Achievement Upto last month	Achievement during 04/2026	Achievement of 2025-26 upto 04/2026	Cummulative achievement upto end of 04/2026	Target for next 05/2026	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12
I	Structural Interventions										
A	Survey, Planing, Design	0.83	0.77	0.06	0.005	0.00	0.00	0.00	0.77	0.01	
B	OFD works										
	i) Construction of unlined Field Channels /pipe line distribution network	19.00	4.736	14.26	1.19	0.00	0.00	0.00	4.74	2.38	
	ii) Construction of lined Field Channels, laying of underground pipelines etc. for gravity flow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iii) Mechanized land levelling in the hilly/difficult areas, lesser land levelling in selected areas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	iv) micro irrigation infrastructure including components of sump,pump,HDPE pipelines and pertinents Devices	3.45	0.00	3.45	0.29	0.00	0.00	0.00	0.00	0.58	
c	Construction of Field ,intermediate and link drains	4.13	0.00	4.13	0.34	0.00	0.00	0.00	0.00	0.69	
d	Correction of system Deficiency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
e	Reclamation of Water Logged area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	i) Surface Drainage including reclamation through Bio Drainage	0.10	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.02	
	ii) Sub Surface Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total Structural interventions	27.50	5.51	22.00	1.83	5.51	0.00	0.00	5.51	3.67	

Sr.no	Item	Total Cost of work involved	Achievement upto 03/2025	Target for 2025-26	Target for the 03/2026	Achievement Upto last month	Achievement during 04/2026	Achievement of 2025-26 upto 04/2026	Cummulative achievement upto end of 04/2026	Target for next 05/2026	Remarks if any
II	NonStructural interventions										
a	onetime grant to registered/ elacted water user assositations(WUAs)										
	i) Functional Grant	0.83	0.43	0.40	0.03	0.43	0.00	0.00	0.43	0.07	
	2) Infrastructure grant	0.36	0.00	0.36	0.03	0.00	0.00	0.00	0.00	0.06	
b	Training, Demonstration and adaptive trials(including on Micro irrigation, water use effeciency, increase productivity and sustainable irrigation.	1.03	0.00	1.03	0.09	0.00	0.00	0.00	0.00	0.17	
c	Incremental establishment including the cost payable to Social facilitator [Actual]	2.67	0.00	2.67	0.22	0.00	0.00	0.00	0.00	0.44	
d	Signboards	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	
	Total NonStructural interventions	4.95	0.43	4.52	0.38	0.43	0.00	0.00	0.43	0.75	
	Grand Total	32.45	5.93	26.52	2.21	5.93	0.00	0.00	5.93	4.42	

(Ramesh Kshirsagar)
Executive Engineer
Minor Irrigation Division No. 1
Pandharpur

Annexure-VIII**Proforma 3- Monthly WUA Progress report for Month April-2026****Progress of WUA****Name of Project:- Sangola Branch Project. Tal- Sangola, Dist- Solapur****State- Maharashtra**

Sr. No.	Name of Project	Project WUA		WUA under PMKSY, CADWM		Acheivement upto 2025-26		Cumulative Progress of WUA upto 03/2026							
		No.	CCA	No.	CCA	No.	CCA	Gazette Notification 1&2 Published		Gazette Notification 3 Published		Registered with Department		WUA Handing over/Taken	
								(No.)	CCA	(No.)	CCA	(No.)	CCA	(No.)	CCA
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Sangola Branch Canal Project	32	13766	32	13766	28	10897	32	13766	32	13766	32	13766	28	10897

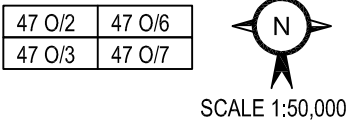
(Ramesh Kshirsagar)
Executive Engineer
Minor Irrigation Division No. 1
Pandharpur

Remarks if any
17
Balance 4 WUA Handing Procedure is in progress

Physical Progress of Sangola Branch Canal & Br. No. IV Upto 03/2016

As Per Project Report Submitted to SLTAC-2 Pune

Sr. No	Component	Physical Status				
		Unit	Total Work As per Project Report	Work Completed Upto 3/2016	Ongoing Work	Work for Which Tender to be Invited
A)	Br. No. IV					
1	Const. of L-Eart-hwrok & Structure In Km No. 1 to 42	Km	42	42	0	0
2	Const. of CC Lining In Km No. 1 to 42	Km	42	33	9	0
3	Land Acquisition	Ha	210	210	0	0
4	CAD-Wm Work (C.C.A.)	Ha	4110	0	0	4110
5	Potential Cration (I.C.A.)	Ha	1852	1852	0	0
B)	Sangola Branch Canal					
1	Const. of L-Eart-hwrok & Structure In Km No. 1 to 103	Km	103	54	30	19
2	Const. of CC Lining In Km No. 1 to 74	Km	74	51	23	0
3	Land Acquisition	Ha	729	359	252	118
4	Distributaries	No.	36	13	15	8
5	CAD-Wm Work (C.C.A.)	Ha	13766	0	0	13766
6	Potential Cration (I.C.A.)	Ha	6883	3545	2258	1080



Legend :-

- Damsite
- Reservoir Area
- Submerged Area
- Canal
 - Work Completed
 - Work in Progress
 - Work in Future
- Sub Canal
 - Work Completed
 - Work in Progress
 - Work in Future
- River & Nala
- Command Area
 - Completed By Branch No.4
 - Completed By Branch No.5
 - Planned
- Place
 - Village
 - Taluka
 - District
- Border
 - Taluka Border
 - District Border
- Roads
 - Village Road
 - State Highway
 - National Highway
- Railway Line
- Canal Kilometer (Lined) Stone
- Unlined Canal
- Bridge

- Earthwork Completed
- Earthwork Progress
- Earthwork Balance
- Lining Completed
- Lining Progress

Salient Features Of Sangola Branch Canal Project

Sr.No.Description	Branch No.4	Branch No.5
1) Place	Miles No.104/7 (Km.168/700)	Miles No.104/6 (Km.168/660)
2) Tatal Length	41.50 K.M.	103 K.M.
3) Discharge	70 Cusecs	310 cu.ft.m.s (modified)
4) G.C.A.	5493 Hectares	19,174 Hectares
5) C.C.A.	4110 Hectares	13,766 Hectares
6) I.C.A.	1852 Hectares	6883 Hectares
7) Total Estimated Cost		
a) Original	Rs. 45.95 Lakh	Rs. 1669.40 Lakh
b) Revised	Rs. 1097.04 Lakh	Rs. 27704.30 Lakh
8) Benefitted Taluka District	Tal. Sangola, Dist.Solapur	Tal.Sangola, Dist. Solapur
9) Total Crop Area	1852 Hectares	11288 Hect.

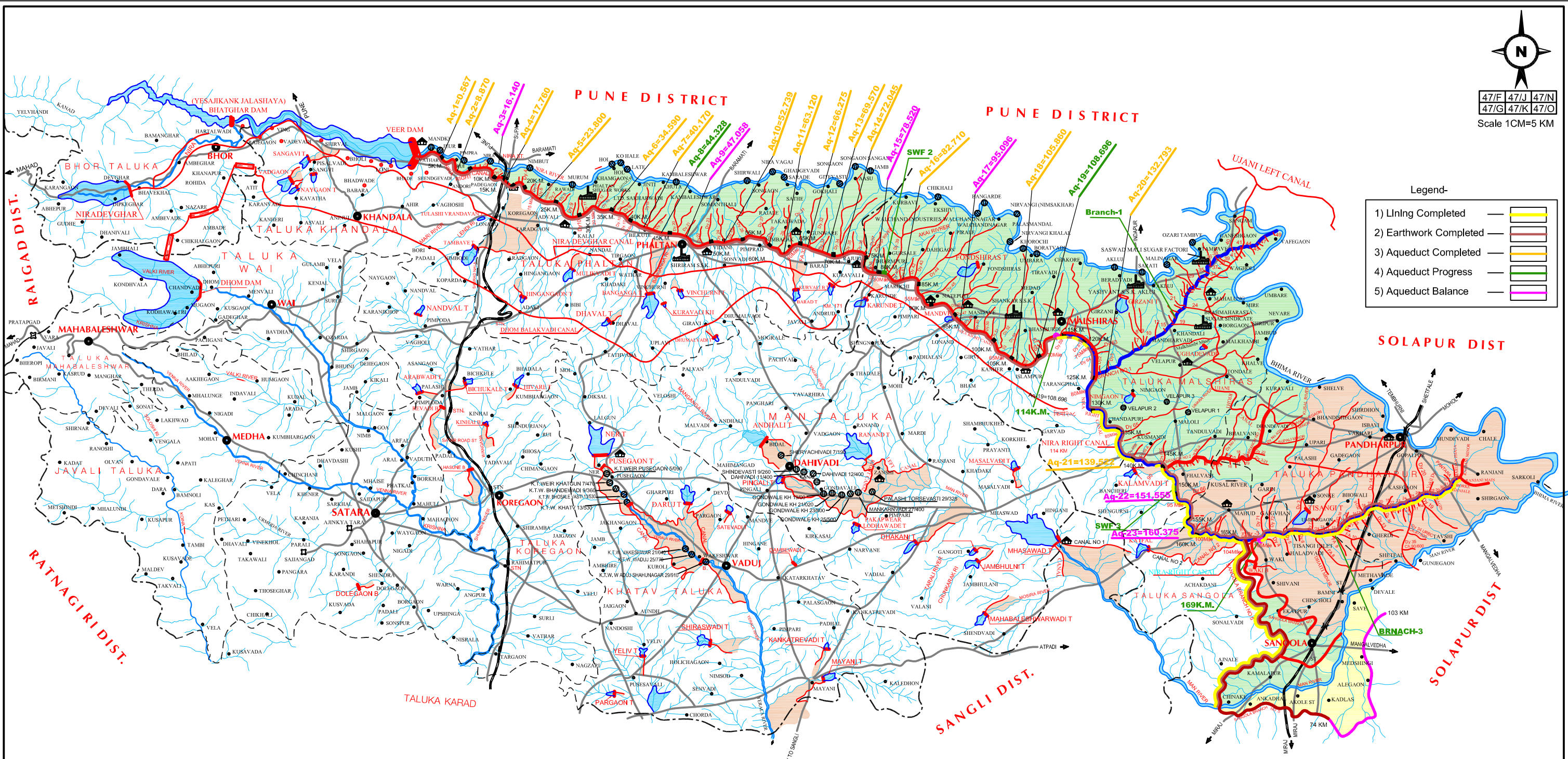
GOVT.OF MAHARASHTRA
PUNE IRRIGATION CIRCLE,PUNE-1
MINOR IRRIGATION DIVISION NO.1 PANDHARPUR.

INDEX MAP OF SANGOLA BRANCH CANAL

Executive Engineer
M.I.Division No.-1, Pandharpur

Superintending Engineer
Pune Irrigation circle , Pune

Chief Engineer (W.R.)
Water Resources Department, Pune



Physical Progress of Sangola Branch Canal Project Upto 03/2016						
As Per Project Report Submitted to SLTAC-2 Pune						
Sr. No	Component	Physical Status				
		Unit	Total Work As per Project Report	Work Completed Upto 3/2016	Ongoing Work	Work for Which Tender to be Invited
A)	Nira Right Bank Canal					
1	Strengthening of Embankment in Km No 1 to 114	Km	169	169	0	0
2	Const. of CC Lining In Km No. 115 to169	Km	55	37	11.3	6.7
3	Strengthening of 23 Aqueducts	No	23	15	2	6
4	Strengthening of 117 Arch culverts	No	117	0	0	117
5	Const. of CC Lining of Branch No.1	Km	30	0	0	30
	Const. of CC Lining of Dy No.4,9,21 & 24 Branch No.1	Km	41.3	0	0	41.3
6	Const. of CC Lining of Branch No.3	Km	32	32	0	0
	Const. of CC Lining of Dy. No. 3 & 8 of Branch No.3	Km	27.6	0	0	27.6
7	Potential Creation on NRBC (ICA) (Kh.12000+Rb.800)	Ha	12800	0	0	12800

REFERENCE:-

RIVER / NALLA.....

DAM / MEDIUM / M.I. TANK.....

CANAL & BRANCHES.....

IRRIGABLE AREA (PERINIAL/NONPERINIAL/PROPOSED)

REST HOUSE & CHOWKI

SUGAR FACTORY.....

LIFT IRRIGATION IN SUBMERGEN AREA.....

VILLAGE/ TALUKA/ DISTRICT

TALUKA DISTRICT BOUNDRY

ROAD & RAILWAY LINES

KOLHAPUR TYPE DAM.....

- NIRA RIGHT BANK CANAL PROPOSED LINING (KM 115 TO 169) WITH BRANCH No.1 & 3
- SANGOLA BRANCH CANAL PROPOSED LINING (KM 1 TO 74)
- SANGOLA BRANCH CANAL WITHOUT LINING (KM 75 TO 103)

GOVT. OF MAHARASHTRA

WATER RESOURCES DEPARTMENT

PUNE IRRIGATION CIRCLE, PUNE-11

MINOR IRRIGATION DIVISION No.-1, PANDHARPUR

N.R.B.C. INDEX MAP

Executive Engineer
M.I.Division No.-1, Pandharpur

Superintending Engineer
Pune Irrigation circle , Pune

Chief Engineer (W.R.)
Water Resources Department, Pune

MAHARASHTRA WATER RESOURCE DEPARTMENT
MAHARASHTRA KRISHNA VALLEY DEVELOPMENT CORPORATION, PUNE
WATER RESOURCE DEPARTMENT, PUNE
PUNE IRRIGATION CIRCLE, PUNE
MINOR IRRIGATION DIVISION NO. 1 PANDHARPUR
SANGOLA BRANCH CANAL TAL- SANGOLA, DIST-SOLAPUR
T DIAGRAMME

Annex-VIII

NIRA RIGHT BANK CANAL

