

Physical Progress of Subarnarekha Multi purpose Project (Jharkhand State)

Appendix-A

Dec-22

SL. No	Component	UNIT	Latest Approved Estimated Quantity (P.L.-2017)	Quantity Executed before inclusion in AIBP	Balance Quantity under AIBP	Quantity Executed upto March 2022 under AIBP	Balance Quantity	Progress during 22-23 upto Dec.22	Remarks
1	2	3	4	5	6	7	8	9	10
1	Head Work								(i) Project is proposed to be completed in all respect by 2026.
(i)	Land Acquisition	Ha	33907.00	13504.03	20402.97	14158.10	6244.87	0.00	(ii) Different components of project completion date varies.
(ii)	Earth work	Lm ³	64.18	35.29	28.89	26.27	2.62	1.05	
(iii)	Pitching	Lm ³	3.69	0.33	3.36	1.27	2.09	0.15	
(iv)	Concrete	Lm ³	15.61	6.05	9.56	5.27	4.29	0.06	
(v)	R/R work	%	100%	62%	38%	29.04%	8.96%	0.00%	
(vi)	Rehabilitation	no.of family	26592	14902	11690	1724	9966	0.00	
(vii)	Gates	nos	61	31	30	17	13	0	
(viii)	Others, Kitanala & Satnala	%	100%	50%	50%	50%	0.00%	0.00%	
2	Main/Branch Canal								
(i)	Land Acquisition	Ha	3555.15	2172.54	1382.61	1213.52	169.09	0.00	
(ii)	Earth work	Lm ³	643.42	357.13	286.29	177.38	108.91	3.21	
(iii)	Lining	Lm ³	17.74	4.99	12.75	9.91	2.84	0.28	
(iv)	Structures	nos	1230	501	729	643	86	19	
(v)	Service Road	km	133.48	0.00	133.48	133.48	0.00	0.00	
(vi)	Elephant Pass	nos	12	0	12	12	0	0	
3	Distributaries/Minors								
(i)	Land Acquisition	Ha	2538.93	300.00	2238.93	451.43	1787.50	0.00	
(ii)	Earth work	Lm ³	710.76	54.00	656.76	246.00	410.76	3.92	
(iii)	Lining	Lm ³	16.99	0.50	16.49	4.54	11.95	0.12	
(iv)	Structures	nos	2839	100	2739	1627	1112	25	
4	Water courses								
(i)	Land Acquisition	Ha	1752.69	350.00	1402.69	87.40	1315.29	0.00	
(ii)	Earth work	Lm ³	653.96	52.28	601.68	77.72	523.96	0.94	
(iii)	Lining	Lm ³	14.98	0.81	14.17	0.45	13.72	0.04	
(iv)	Structures	nos	4011	254	3757	1279	2478	0	

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Chief Engineer

Icha Galudih Complex, Adityapur

[Signature]

Chief Engineer

Chandil Complex, Jamshedpur

Financial Progress of Subarnarekha Multi purpose Project (Jharkhand State)

Appendix-B

SL. No	Component	Latest Approved Estimated Cost (P.L.-2017)	Total Exp upto 03/2011 before inclusion in AIBP	Balance cost under AIBP	Exp upto March 2022 under AIBP	Balance under AIBP	Exp during 2022-23 up to Dec.2022	Remarks
1	2	3	4	5	6	7	8	9
1	Head Work							
(i)	Land Acquisition	1565.08	271.62	1293.46	281.08	1012.38	0.00	(i) Project is proposed to be completed in all respect by 2026.
(ii)	Earth work & Concrete	1313.08	183.87	1129.21	792.01	337.20	7.51	(ii) Different components of project completion date varies.
(iii)	Rehabilitation	1245.36	158.29	1087.07	392.97	694.10	0.00	
(iv)	Gates	258.64	33.21	225.43	89.35	136.08	0.62	
(v)	Others	676.62	83.32	593.30	288.34	304.96	6.81	
	Total	5058.78	730.31	4328.47	1843.75	2484.72	14.94	
2	Main/Branch Canal							
(i)	Land Acquisition	450.93	8.99	441.94	323.89	118.05	0.50	
(ii)	Earth work & Lining	2320.19	525.78	1794.41	1654.51	139.90	34.54	
(iii)	Structures	1074.31	268.50	805.81	797.41	8.40	10.00	
(iv)	Others	345.33	49.27	296.06	224.29	71.77	6.33	
	Total	4190.76	852.54	3338.22	3000.10	338.12	51.37	
3	Distributaries/Minors							
(i)	Land Acquisition							
(ii)	(a)Earth work(Excavation)							
	(b)Earth work(Embankment)							
(iii)	Lining							
(iv)	Structures							
(v)	Others							
	Total	3856.71	161.56	3695.15	1581.38	2113.77	120.03	
4	Water courses							
(i)	Land Acquisition							
(ii)	(a)Earth work(Excavation)							
	(b)Earth work(Embankment)							
(iii)	Lining							
(iv)	Structures							
(v)	Others							
	Total	13106.25	1744.41	11361.84	6425.23	4936.61	186.34	
	Grand Total	3856.71	161.56	3695.15	1581.38	2113.77	120.03	

Chief Engineer
Icha Galudih Complex, Adityapur

Chief Engineer
Chandil Complex, Adityapur

- E. Galudih Left Main Canal- 96%
- F. Galudih Right Main Canal- 100%
- G. Kharkai Left Main Canal- Pump Canal work started as UGPL.)
- H. Kharkai Right Main Canal- 81.30%

- **Distribution System:**

- Distribution System of CLMC – (Distributary progress-86%; Minor, Sub-Minor, WC progress- 55%)
- Distribution System of both IRMC and ILMC - 74%
- Distribution system of GRMC: (Parallel Channels of GRMC –100%; Construction of Minors, Sub-Minors, WC progress- 34%)
- Distribution system of GLMC: 39 nos. Dist System tendered out of total 40 nos. (UGPL), one no. in progress.
- Distribution System of KRMC- 30%

- **Financial Progress:**

Expenditure up to 03/2022= Rs. 4336.38 Cr
Balance Cost as on 01.04.2022= Rs. 5243.20 Cr
Expenditure during 2021-22 up to Mar, 22= Rs. 248.96 Cr
Total CA released = Rs. 1889.62 Cr (This includes CA Rs. 756.73 Cr released during 2016-19)
CA balance: Rs. 616.96 crore

- **Exp incurred under PMKSY-AIBP since 2016:** Rs.2420.71Cr(Central+Jharkhand) (during FY 2016-22) + Rs. 186.34 Cr (Total during FY 2022-23 up to Dec. 22)
- **Bottlenecks/Issues:**

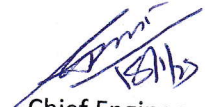
- 1) R&R issues
- 2) Starting the construction of Icha dam
- 3) Shortfall in expenditure in State Share.
- 4) CADWM works. (In GLMC and GRMC Distribution System Work includes CADWM also)

- **Status of WUA**

A total of 48 WUAs have been formed for CLMC.

- **Decision Taken**

It was noted that financial support to complete balance work is a major hurdle besides local public resistance in some cases. RIDF-NABARD Loan amounting to Rs. 249.88 Cr against State Share has been taken for Kharkai Lift Irrigation Scheme. Further RIDF Loan amounting to Rs. 499.56 Cr against State Share has been applied to NABARD, Ranchi


Chief Engineer
Icha-Galudih Complex,
Adityapur


Chief Engineer
Chandil Complex,
Jamshedpur

Talking points/Briefing Material

(State: Jharkhand)

There is one project - Subernarekha Multipurpose Project in Jharkhand among 99 prioritised projects under PMKSY-AIBP, which is ongoing.

1. Subernarekha Multipurpose Project, Jharkhand (ongoing)

- Project Features:

- Headworks:

- Chandil Dam (on river Subernarekha)
 - Icha Dam (on river Kharkai- a tributary of river Subernarekha)
 - Galudih Barrage (on river Subernarekha)
 - Kharkai Barrage (on river Kharkai)

- Canal Components

- Chandil Left Main Canal (CLMC) (Length- 127.88 Km)
- Chandil Right Main Canal (CRMC) (Length- 33.77 Km) (not covered under AIBP; to be executed by state fund)
- Icha Left Main Canal (ILMC) (Length-19.75 Km)
- Icha Right Main Canal (IRMC) (Length-30.21 Km)
- Galudih Left Main Canal (GLMC) (Length-65.70 Km)
- Galudih Right Main Canal (GRMC) (Length-56.04 Km)
- Kharkai Left Main Canal (KLMC) (Length-2.5 Km)
- Kharkai Right Main Canal (KRCM) (Length-29.83 Km)

- AIBP:

Inclusion in AIBP: FY 2011-12

Latest Estimated Cost: Rs 13106.24 Cr @ 2017 PL (FTPC Approved)
(Works=Rs. 12662.31 Cr + Estt.=Rs. 443.93 Cr)

Cost(AIBP-works-whole project): Rs 10917.9 Cr

Cost (AIBP- Jharkhand exclusive Works component): Rs. 9579.58 Cr

- Irrigation Development:

UIP 236.846 Th.Ha., IPC 107.938 Th.Ha., IPU 52.896 Th.Ha.

- Physical Progress:

- Headworks:

- A. Chandil Dam- 100%
- B. Icha Dam-32% (Work in progress)
- C. Galudih Barrage-100%
- D. Kharkai Barrage-100%

- Canal Components:

- A. Chandil Left Main Canal – 100%
- B. Chandil Right Main Canal – Proposed to be constructed as UGPL by State fund.
- C. Icha Left Main Canal-100%
- D. Icha Right Main Canal- 100%