

Challenges in completing priority projects

Projects included under AIBP – MMI and National Projects

- 297 projects have been included till date.
- 143 declared completed by state govt.
- 149 on-going.

Roadmap of AIBP

- Out of 149 projects, 89 projects are active
- 46 projects of 89 have been prioritized
- Priority I Projects to be completed by 2016-17 : 23

[State-wise Break-up of 23 Priority I Projects](#)

- Priority II Projects to be completed by 2019-20 : 23
- Targeted Irrigation potential (Bal.) of 46 projects : 18.62 Lakh Ha.

State-Wise list of 23 AIBP-PMS Priority Projects (1/2)

Sl.No	State	Project Name
1	Assam	1) Dhansiri
2		2) Champamati
3	Jammu & Kashmir	1) Tral Lift
4		2) Parkachik Khows Cana
5		3) Res. & Mod. of Main ravi canal
6	Karnataka	1) Bhima LIS
7		2) Upper Tunga Irr. Project
8	Madhya Pradesh	1) Indira Sagar canal Ph-I&II
9		2) Sindh Phase-II
10		3) Omkareshwar Ph-IV
11		4) Indira Sagar canal Ph-III

State-Wise list of 23 AIBP-PMS Priority Projects (2/2)

Sl. No	State	Project Name
12	Maharashtra	1) Waghur
13		2) Bawanthadi(IS)
14		3)Lower Dudhna
15		4)Tillari(IS)
16		5)Lower Wardha
17		6)Lower Panzara
18		7)Nandur Madhmeshwar Ph-II
19	Manipur	1) Thoubal
20		2) Dolaithabi Barrage
21	Odisha	1) Lower Indira(KBK)
22	Telangana	1) J Chokka Rao LIS
23	Rajasthan	1) Narmada Canal Project

State-Wise list of 23 AIBP- Priority Projects (Physical Progress -1/2)

			Irrigation Potential (Th.Ha)			
Sl. No.	State	Project Name	Target	Achievement	Balance to be created	%
1	Assam	1) Dhansiri	83.37	53.26	30.11	36.12
2		2) Champamati	15.09	10.32	4.78	31.68
3	Jammu & Kashmir	1) Tral Lift	6.00	4.44	1.56	26
4		2)Parkachik Khows Cana	2.26	1.50	0.76	33.63
5		3)Res. & Mod. of Main ravi canal	50.75	45.00	5.75	11.33
6	Karnataka	1) Bhima LIS	24.29	21.34	2.95	12.14
7		2) Upper Tunga Irr. Project	80.49	69.50	11.00	13.67
8	Madhya Pradesh	1) Indira Sagar canal Ph-I&II	62.20	53.60	8.60	13.83
9		2) Sindh Phase-II	162.10	130.60	31.51	19.44
10		3)Omkareshwar Ph-IV	54.63	44.04	10.60	19.4
11		4) Indira Sagar canal Ph-III	19.60	0.30	19.30	98.47

State-Wise list of 23 AIBP-PMS Priority Projects (Physical Progress-2/2)

Sl.No	State	Project Name	Irrigation Potential(Th.Ha)			%
			Target	Achievement	Balance to be created	
12	Maharastra	1) Waghur	38.57	15.99	22.58	58.54
13		2) Bawanthadi(IS)	27.71	27.45	0.26	0.938
14		3)Lower Dudhna	44.48	29.76	14.72	33.09
15		4)Tillari(IS)	6.57	4.97	1.60	24.35
16		5)Lower Wardha	63.33	18.76	44.57	70.38
17		6)Lower Panzara	7.59	3.57	4.02	52.96
18		7)Nandur Madhmeshwar Ph-II	11.56	0.00	11.56	100
19	Manipur	1) Thoubal	29.45	16.16	13.29	45.13
20		2) Dolaithabi Barrage	7.55	1.50	6.05	80.13
21	Odisha	1) Lower Indira (KBK)	35.87	18.50	17.37	48.42
22	Telangana	1) J Chokka Rao LIS	248.69	55.76	192.92	77.57
23	Rajasthan	1) Narmada Canal Project	246.00	239.59	6.41	2.606
	TOTAL		1328.2	865.9	462.3	34.81

State-Wise list of 23 AIBP- Priority Projects (Bottlenecks-1/3)

Sl. No.	Project Name	Bottlenecks and Issues
1	1) Dhansiri	no major bottleneck
2	2) Champamati	no major bottleneck
3	1) Tral Lift	revised cost approval with State finance concurrence to the revised detailed project report incorporating the changes during the execution stages required
4	2) Parkachik Khows Cana	900 m tunnel and about 5km main canal in tough terrain and availability of very limited period for execution, financial concurrence of the state finance for the revised cost.
5	3) Res. & Mod. of Main ravi canal	Irrigation benefit not reaching to the Command area besides the availability of water due to want of Res. & Mod. works (mainly jungle clearance, de-silting and cc lining) pending for completion in the distributaries.

State-Wise list of 23 AIBP-PMS Priority Projects (Bottlenecks-2/3)

Sl. No.	Project Name	Bottlenecks and Issues
6	1) Bhima LIS	No bottleneck Full amount of central share against the approved cost of work has already been released. Shortfall of 74.88 Cr. has been reported as unspent amount. CAD-WM activity is the real concern as only 6032 ha potential has been utilized out of 21000 ha IP created.
7	2) Upper Tunga Irr. Project	Pari -passu implementation of CAD –WM activities is of little concern
8	1) Indira Sagar canal Ph-I&II	Likelihood of project achieving the given targets by March, 2017 has been termed as a little ambitious,
9	2) Sindh Phase-II	Likelihood of the project achieving the given target if more resources are mobilized especially for earth work and structure work in distribution system.
10	3)Omkareshwar Ph-IV	Likelihood of project achieving the given targets by March, 2017 has been termed as Very ambitious
11	Indira Sagar canal Ph-III	Likelihood of project achieving the given targets by March, 2017 has been termed as highly ambitious

State-Wise list of 23 AIBP-PMS Priority Projects (Bottlenecks-3/3)

Sl. No.	Project Name	Bottlenecks and Issues
12	1) Waghur	few bottlenecks
13	2) Bawanthadi(IS)	No major bottlenecks
14	3)Lower Dudhna	No major bottlenecks
15	4)Tillari(IS)	The balance approved cost is Rs. 46.07 Cr. only against the assessed completion cost of Rs. 320 Cr
16	5)Lower Wardha	Even the mentioned targets have been termed as ambitious, considering the trend of past expenditure and potential creation.
17	6)Lower Panzara	No major bottlenecks Limited balance cost available considering 20% escalation
18	7)Nandur Madhmeshwar Ph-II	No major bottlenecks
19	1) Thoubal	Land Acquisition, R&R and CADWM programme need required impetus as planned
20	2) Dolaithabi Barrage	Land Acquisition and CADWM programme need required impetus as planned
21	1) Lower Indira(KBK)	No major bottlenecks
22	1) J Chokka Rao LIS	No major bottlenecks
23	1) Narmada Canal Project	No major bottlenecks

State-Wise list of 23 AIBP- Priority II Projects

Sl. No.	State/Project Name	Likely date of Completion
	ANDHRA PRADESH	
1	Musurumilli (Med.)	05/2016
	BIHAR	
2	Durgawati (Major)	3/2016
3	Punpun (Major)	3/2017
	CHHATISGARH	
4	Maniyari Tank (Maj/ERM)	3/2016
	GUJARAT	
5	Sardar Sarovar (Major)	3/2018
	JHARKHAND	
6	Subernarekha Multipurpose (Major)	03/2018

State-Wise list of 23 AIBP- Priority II Projects

Sl. No.	State/Project Name	Likely date of Completion
	KARNATAKA	
7	Karanja (Major)	03/2016
8	Sri Rameswar Irrigation (Major)	3/2016
9	NLBc System Project(New Maj/ERM)	3/2017
	MADHYA PRADESH	
	Indira Sagar Canal Phase-IV (Major)	3/2017
	Indira Sagar Canal Phase- V (Major)	06/2016
	Omkareshwar Ph - I (Major)	12/2015
	Omkareshwar, Ph.-II (Major)	03/2016

State-Wise list of 23 AIBP- Priority II Projects

Sl.No	State/Project Name	Likely date of Completion
	Omkareshwar, Ph.-III (Major)	3/2016
	Bargi Diversion Ph - I (Major)	3/2017
	Bargi Diversion Ph -I I (Major)	3/2017
	Bargi Diversion Ph -I I I (Major)	3/2017
	Bargi Diversion Ph-IV (Major)	3/2017
10	Mahuar (Med.)	3/2016
	MAHARASHTRA	
11	Bembla (Major)	3/2018
12	Tarali (Major)	03/2019
13	Dhom Balakwadi (Major)	31.06.2018
14	Arjuna (Med.)	03/2018
15	Lower Panzara (Med.)	03/2017
16	Krishna Koyana Lift (Major)	3/2020

State-Wise list of 23 AIBP- Priority II Projects

Sl. No.	State/Project Name	Likely date of Completion
	ODISHA	
17	Upper Indravati(KBK) (Major)	03/2016
18	Subernarekha (Major)	03/2019
19	Anandpur Barr. Ph.-I / Integrated Anandpur Barr. (ERM)	03/2019
20	Rukura-Tribal (Med.) (Major)	03/2016
21	Punjab	
	Kandi Canal Extension (Ph.II) (ERM- Maj.)	04/2016
22	Rehabilitation of Ist Patiala Feeder and Kotla Branch Project (ERM-Maj.)	03/2016
	UTTAR PRADESH	
23	Bansagar Canal (Major)	3/2016

Fund Requirement

(Rs. in crore)

- **Projects**
- **CAD**

		Central share	State share	Total
Priority I projects	AIBP	3950	4080	8030
	CAD	2654	2654	5308
Total				13338
Priority II projects	AIBP	16609	18524	35133
	CAD	6201.5	6201.5	12403
Total				47536
Grand Total				60874

Fund Requirement – Issues

- The funding pattern has gone many changes.
- The funding by MoWR is limited to 20% escalation on balance cost as on 1.4.2012
- The funding pattern has been brought down to 60:40 for majority of the states except Himalayan and NE States
- Balance cost is to be borne by State Government for 46 priority projects
- For 23 priority projects, the funds will be made available from budget of MoWR for remaining projects the funds are likely to be made available through market borrowing as a loan through tripartite agreement between borrower agency, MoWR and State Government.

Fund Requirement – Issues

- Budgetary provision not sufficient.
 - ❖ Funding cost & time overrun generally.
- Innovative funding mechanism required.
 - ❖ Funding through long term (20-25 years) market borrowing.
 - ❖ Repaid from annual budgetary support of Centre & State.
 - ❖ Special Purpose Vehicle (SPV) for raising such resources from market, required.

Other Issues

1. The existing gap between IPC and IPU ranges from 24 mha to 47 mha.
 - ❖ Gap has to be bridged in a mission mode approach to completely utilize this gap.
 - ❖ Study of 42 out of 142 completed AIBP projects indicates gap ranging between 25-50%.
2. Joint effort for improvement of system deficiency and command area development, for optimization of resources.
 - ❖ Accordingly DPR for each project.
3. Future DPR's to be prepared by 100% network survey and hydraulic design accordingly
 - ❖ Include maximum micro-irrigation

Reform Initiatives

- Revised guidelines include:
 - ❖ The balance network through pressure pipe system
 - ❖ Micro Irrigation for water use efficiency.
 - ❖ Mandatory formation of WUA's.
 - ❖ E-platform for sharing best practices.
 - ❖ Quarterly workshops to share and disseminate.
 - ❖ The Capacity Building of WUA will be done by WALMI.
- CWC field office and HQ will work in close co-ordination with States as team to monitor & provide technical support towards completion of projects & utilization of potential with implementation of reforms.

Reform Initiatives...contd.

- MP initiated implementation of pressure pipes network & through micro-irrigation for resource optimization.
- Turn-key contracts being awarded to ensure performance & economize cost.
- Workshop being arranged in M.P. for other States to share this experience.

Major challenges

- Availability of funds
- Land acquisition
- Completion of CAD parri pasu with project
 - through micro irrigation
- Involvement of public private partnership in micro irrigation
- Formation of WUAs
- O&M of minor and command by WUAs

Way Forward

- A mission mode approach is required where both Centre & State will work together to fulfill the objectives.

cooperation

- Formation of WUA
- Balance work through pressure pipe network
- Micro irrigation
- Performance based tender for untendered items
- Online submission of project fund requirement by march
- Monitoring report of CWC by march

contd

- Fund commitment by States
- CADWM commitment and proposals
- Methodology for execution???????????

Thank You