

ANNEXURES

Annexure I

(Refer to the Paragraph No. 3.3)

Channel-wise increase in conveyance efficiency

(in percentage)

Sl. No.	Channel	At the time of preparation of DPR (2010-11)	2015-16	2016-17	2017-18	2018-19
	EARTHEN CHANNELS					
1	Ramakulam	20	36.67 (16.67)	35.83 (15.83)	37.33 (17.33)	37.67 (17.67)
2	Kallapuram	16.67	31.67 (15.00)	32.08 (15.41)	32.92 (16.25)	33.17 (16.50)
3	Kumaralingam	17.50	27.50 (10.00)	30 (12.50)	27.13 (9.63)	28 (10.50)
4	Sarkarkannadiputhur	20	32.50 (12.50)	31.75 (11.75)	31.75 (11.75)	33 (13.00)
5	Sholamadevi	18.52	27.78 (9.26)	26.67 (8.15)	27.59 (9.07)	28.15 (9.63)
6	Kadathur	14.55	26.64 (9.09)	22.73 (8.18)	23.27 (8.72)	23.55 (9.00)
7	Kaniyur	23.53	38.24 (14.71)	36.76 (13.23)	37.65 (14.12)	38.53 (15.00)
8	Karatholuvu	11.11	22.22 (11.11)	21.30 (10.19)	22.59 (11.48)	23.15 (12.04)
9	Alangium	15.48	23.75 (8.27)	24.50 (9.02)	24 (8.52)	25.75 (10.27)
10	Dhalavaipattinam	6.91	17.14 (10.23)	18.57 (11.66)	17.71 (10.80)	19.71 (12.80)
11	Dharapuram	14.28	20.95 (6.67)	21.90 (7.62)	20.62 (6.34)	21.05 (6.77)
12	Kolinjivadi	16.92	25.38 (8.46)	26.92 (10.00)	25.38 (8.46)	26.38 (9.46)
13	Nanjaithalaiyur	25	42.50 (17.50)	40 (15.00)	42 (17.00)	43.5 (18.50)
14	Sundakkampalayam	25	45.83 (20.83)	43.75 (18.75)	45 (20.00)	48.33 (23.33)
15	Chinnadharapuram	15.79	25 (9.21)	25.66 (9.87)	24.87 (9.08)	25.46 (9.67)
16	Nanjaikkalakurichi	25	37.50 (12.50)	35 (10.00)	37.5 (12.50)	38.5 (13.50)
17	Left Bank Channel	13.76	23.81 (10.05)	23.54 (9.78)	23.28 (9.52)	23.73 (9.97)
18	Right Bank Channel	13.40	23.20 (9.80)	23.71 (10.31)	22.63 (9.23)	22.86 (9.46)
	Average of AOC		(11.77)	(11.52)	(11.66)	(12.62)
	LINED CHANNEL					
19	AMC	79.32	96.36 (17.04)	97.50 (18.18)	97.5 (18.18)	98.18 (18.86)

*Figures in bracket represent increase in percentage.

Annexure II

(Refer to the Paragraph No. 3.4.3)

Regulation of water in the channel: The disproportionate release of water

Sl. No	Channel	Ayacuts (Ha)	2014-15		2015-16		2017-18		2018-19	
			Water released from Anicuts (TMC)	Percentage of water released with respect to ayacuts	Water released from Anicuts (TMC)	Percentage of water released with respect to ayacuts	Water released from Anicuts (TMC)	Percentage of water released with respect to ayacuts	Water released from Anicuts (TMC)	Percentage of water released with respect to ayacuts
	Head channel									
1	Ramakulam	560.320	0.125	30	0.154	64	0.155	67	0.111	29
2	Kallapuram	558.460	0.132	32	0.151	62	0.155	67	0.124	33
	Central portion									
3	Komaralingam	509.657	0.338	90	0.336	152	0.241	114	0.236	68
4	Sarkarkandiputhur	267.610	0.169	86	0.168	145	0.120	109	0.118	65
5	Solamadevi	253.030	0.228	123	0.227	207	0.163	156	0.159	93
6	Kadathur	474.080	0.465	133	0.462	225	0.331	169	0.324	101
7	Kaniur	157.890	0.144	124	0.143	209	0.102	157	0.100	94
8	Karatholuvu	253.015	0.228	123	0.227	207	0.163	156	0.159	93
9	Alangium	426.550	0.363	115	0.185	100	0.196	111	0.348	120
10	Dhalavapattinam	377.180	0.320	115	0.163	100	0.173	111	0.307	120
11	Dharapuram	978.150	0.874	121	0.435	103	0.490	121	0.871	131
12	Kolingivadi	1,304.690	1.123	117	0.573	101	0.607	113	1.078	122
13	Nanjaithalaiyur	199.020	0.116	79	0.086	100	0.078	95	0.166	123
14	Sundakkampalayam	118.200	0.103	119	0.053	103	0.056	115	0.100	124
15	Chinnadharapuram	759.990	0.604	108	0.296	90	0.327	104	0.581	113
16	Nanjaikalakurichi	160.300	0.116	99	0.086	124	0.079	120	0.144	132
	Tail end channel									
17	Chettipalayam (RBC)	2,240.000	1.676	102	0.872	90	0.905	98	1.609	106
18	Pallapalayam (LBC)	2,292.000	1.633	97	0.833	84	0.882	93	1.764	113
	Channels	11,142.000	8.759		5.146		4.912		8.062	

Glossary of abbreviations	
Abbreviation	Full form
AMC	Amaravathi Main Channel
AOC	Amaravathi Old Channel
CE	Chief Engineer
DPR	Detailed Project Report
EIC	Engineer- in-Chief
GO	Government Order
GOI	Government of India
GoTN	Government of Tamil Nadu
Ha	Hectare
LMC	Left Main Channel
Mcft	Million cubic feet
Mcum	Million cubic meter
NABARD	National Bank for Agriculture and Rural Development
O&M	Operations and Maintenance
PIM	Participatory Irrigation Management
PWD	Public Works Department
RMC	Right Main Channel
TMC	Thousand Million Cubic Feet
TN-IAMWARM	Tamil Nadu Irrigated Agriculture Modernisation and Water-Bodies Restoration
TNFMIS	Tamil Nadu farmer's Management of Irrigation System
TNPCB	Tamil Nadu Pollution Control Board
World Bank	International Bank for Reconstruction and Development
WRD	Water Resources Department
WUA	Water Users Association