

**ANNEXURE- III: INDICATOR WISE IMPACT – SUMMARY
CIVIL WORKS IMPROVEMENT**

Impact Indicators	Units	Project/ Control Tank	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage (%) increment from base line	Net Project Impact
1. Increase in water storage and Ground water levels						
Feeder Channels Treated (NOS)	Number	Project	0	356		356
		Control	0	0		
Silt Arrested in Feeder Channels (CU.M)	Cu.m	Project	0	2723		2723
		Control	0	0		
Tank Capacity Increased through Desilting (CU.M)	Cu.m per tank	Project	0	23,538		23,538
		Control	0	0		
Area Suffering in the Tail end of the Command Area (Ha)	Hect.	Project	989	532	-46.2	30.1
		Control	341	396	+16.1	
Increase in the Ground Water Level –Open wells (M BGL)	feet	Project	19	9	52.6	13.6 percent
		Control	18	11	39.0	

Impact Indicators	Project/Control Tank	Units	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage (%) increment from base line	Net Project Impact
Increase in the Ground Water level –Bore wells (M BGL)	feet	Project	154	59	61.7	29.1 percent
		Control	147	99	32.6	
Area Irrigated – Open wells (Ha)	Hect.	Project	240	285	18.6	37.0 percent
		Control	151	67	55.6	
Area Irrigated – Bore wells (Ha)	Hect.	Project	1085	1943	79.0	31.1 percent
		Control	188	278	47.9	

Agriculture Production System Development

Impact Indicators	Units	Project/Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
2. Increases in irrigated area and Irrigation intensity						
Command area	Area in Hectare per tank command	Project Tanks	37.72	37.72	-	-
		Control Tanks	27.70	27.70	-	-
Irrigated cropped area	Area in Hectare per tank command	Project Tanks	34.67	45.44	31.06	17.82
		Control Tanks	20.38	23.08	13.25	
Land use intensity	Percentage	Project Tanks	89.16	120.99	31.83	21.83
		Control Tanks	83.53	93.53	10.00	

Impact Indicators	Units	Project/Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
3. Increase in functional wells						
No. of functional wells	Open-wells Per tank command	Project Tanks	4	5	25.00	---
		Control	4	5	25.00	
	Bore-wells per tank command	Project Tanks	5	7	40.00	20.00
		Control	5	6	20.0	
4. On farm W.M. improved						
Extent of non-paddy area	Area in Hectare per tank command	Project Tanks	71.97	72.34	0.50	-2.1
		Control Tanks	62.93	64.57	2.6	

Impact Indicators	Units	Project/ Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
5a. Increases in Agricultural Productivity in Kharif and Rabi/Summer combined (Tank Command Area)						
Paddy	Qtls / ha	Project Tanks	40.38	48.72	20.65	9.59
		Control Tanks	40.58	45.07	11.06	
Sunflower	Qtls / ha	Project Tanks	18.08	21.43	18.59	9.31
		Control Tanks	15.61	17.06	9.28	
Groundnut	Qtls / ha	Project Tanks	15.68	18.86	20.28	12.03
		Control Tanks	15.03	16.27	8.25	
Maize	Qtls / ha	Project Tanks	37.51	36.66	-3.15	8.49
		Control Tanks	43.37	38.32	-11.64	
Millets	Qtls / ha	Project Tanks	22.70	27.53	21.27	0.84
		Control Tanks	20.66	24.88	20.43	
Pulses	Qtls / ha	Project Tanks	14.54	17.57	20.83	13.05
		Control Tanks	13.74	14.81	7.78	

Impact Indicators	Units	Project/ Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
Vegetables	Qtls / ha	Project Tanks	139.00	180.69	29.99	17.11
		Control Tanks	150.18	169.53	12.88	
5b. Increases in Agricultural Productivity in Kharif and Rabi/Summer combined (Tank Catchment Area)						
Paddy	Qtls / ha	Project Tanks	42.78	49.91	16.64	-
Maize	Qtls / ha	Project Tanks	37.19	42.59	14.52	-
Millets	Qtls / ha	Project Tanks	25.17	29.32	16.48	-
Groundnut	Qtls / ha	Project Tanks	15.44	18.21	17.94	-
Sunflower	Qtls / ha	Project Tanks	16.05	18.58	15.76	-
Pulses	Qtls / ha	Project Tanks	15.05	15.71	4.38	-
Vegetables	Qtls / ha	Project Tanks	189.18	195.24	3.20	-
6. Increases in Agricultural production / Income						
Increases in Agricultural production / Income	Rs per tank	Project Tanks	2536600	3268712	28.86	9.45
		Control Tanks	1029628	1229492	19.41	

Impact Indicators	Units	Project/ Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
7.Increases in Horticultural production / income						
Income in Horticultural crops due to shift from field crops per tank	Rs per tank	Project Tanks	1047798	1377934	31.5	17.84
		Control Tanks	864987	983176	13.6	
8. Agricultural household incomes						
Agricultural household Net income	Rs / household	Project Tanks	13280	19704	48.4	9.2
		Control Tanks	11,781	16405	39.2	
9. Agricultural Household productivity during Kharif and Rabi/Summer (Command Area)						
Paddy	Qtls / ha	Kharif	39.76	42.04	5.72	
		Rabi/Summer	30.18	33.35	10.51	
Maize	Qtls / ha	Kharif	38.38	41.47	8.05	
		Rabi/Summer	36.71	38.69	5.38	
Millets	Qtls / ha	Kharif	39.61	40.70	2.75	
		Rabi/Summer	33.90	36.54	7.78	
Oil Seeds	Qtls / ha	Kharif	14.99	18.80	25.35	
		Rabi/Summer	22.85	23.31	1.99	
Horticulture crop	Qtls / ha	Kharif	155.74	167.99	7.87	
		Rabi/Summer	120.44	161.78	34.33	

Impact Indicators	Units	Project/ Control Tanks	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from baseline	Net Project Impact (%)
10. Productivity of Water Management Demonstration in Project Area						
Crop	Units	Project tanks	Yield of Check plot	Yield of Demonstration plot	% increase in yield	
Paddy	Qtls / ha	Project tanks	42.15	58.02	37.65	
Maize	Qtls / ha	Project tanks	36.81	50.81	38.02	
Ragi	Qtls / ha	Project tanks	24.45	37.71	54.23	
H.Jowar	Qtls / ha	Project tanks	24.05	32.58	35.47	
Wheat	Qtls / ha	Project tanks	24.15	26.62	10.23	
Sunflower	Qtls / ha	Project tanks	11.13	14.47	29.94	
Groundnut	Qtls / ha	Project tanks	14.00	18.80	34.28	
Onion	Qtls / ha	Project tanks	166.72	204.20	22.48	
Cucumber	Qtls / ha	Project tanks	315.00	352.00	11.75	

SOCIAL AND INSTITUTIONAL

Impact Indicators	Units	Project/Control Tank	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from base line	Net project Impact
11. Social Inclusiveness and Participation						
Representation of SC/ST in TUGs	Percent	Project Village	N.A	41.8 percent	-	41.8 percent
TUCs	Percent	Project Village	N.A	35.2	-	35.2 percent
Representation of women in TUGs	Percent	Project Village	-	48.9	-	48.9 percent
TUCs	Percent	Project Village	-	36.6	-	36.6 percent
Participation of SC/ST in TUC meetings	Percent	Project Village	N.A	38.9 percent		38.9 percent
Participation of Women in meetings	Percent	Project Village	N.A	27.4 percent		27.4 percent

Impact Indicators	Units	Project/ Control Tank	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from base line	Net project Impact
12. Increase in Employment opportunities and reduction in out-migration						
Employment opportunities provided – Through tank civil works	No. of person days	Project Village	N.A	861 per son days per tank		861 person days
SC/ST		Project Village		535 person days per tank		535 person days
Women	No. of person days	Project Village	N.A	299 person days per tank		299 person days
No. of households receiving sustainable incomes through the project interventions	No. of households	Project Village	N.A	41 families per villages SC/ST 20 families per village		41 families SC/ST 20 families
Reduction in out migration	No. of families	Project Village	406	308	-24.1 percent	36.9 percent
		Control Village	148	167	+12.8 percent	

Impact Indicators	Units	Project/ Control Tank	Base line – 2003-04 (Pre-Project Status)	Current – 2007-08 (Post-Project Status)	Percentage increment from base line	Net project Impact
13. Increase in income and reduction of poverty						
Changes in the income levels of all the target groups	Amount in Rs. Per family	Project Village	Rs. 17,154	Rs. 19,729	15.0 percent	12.0 percent
	Amount in Rs.	Control Village	Rs. 17,037	Rs. 17548	3.0 percent	
Reduction in poverty	Percent	Project Village	70.5	56.9	13.6 percent	9.1 percent
	Percent	Control village	51.1	46.6	4.5 percent	
Amount of funds generated and retained or transferred to TUGs/GPs for O & M	(Rs.)	Project Village	-	Rs. 41912 per TMI/TUG	-	Rs. 41,912 per TMI/TUG