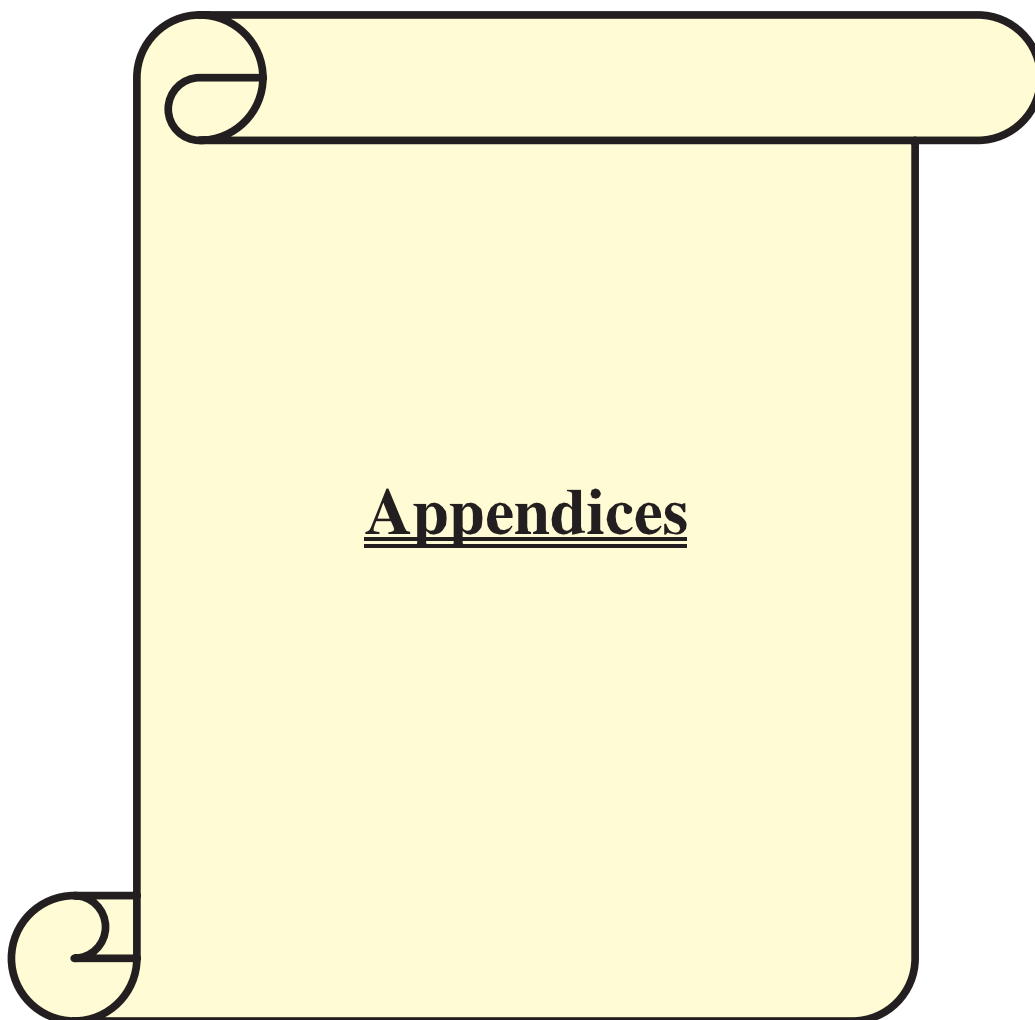




Appendices

Appendix 1.1
(Reference paragraph 1.7.1 Page 9)
Year-wise break-up of outstanding Inspection Reports (IRs) as of 30th June 2012

Sl. No.	Department	Year Up to 2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		Total	
		IRs	Paras	IRs	Paras	IRs	Paras	IRs	Paras	IRs	Paras	IRs	Paras	IRs	Paras
1.	Public Works	786	3213	88	512	83	440	77	551	67	393	21	158	1122	5267
2.	Water Resources	965	2973	136	593	123	551	109	549	92	429	38	274	1463	5369
3.	Narmada Valley Development Authority	147	294	30	70	30	87	28	77	32	95	13	99	280	722
4.	Panchayat & Rural Development (MIPRRDA)	101	468	51	223	51	232	60	302	33	200	4	31	300	1456
5.	Forest	103	150	24	25	33	69	59	143	84	1121	54	813	357	2321
6.	Agriculture & Farmers Welfare	230	422	79	192	46	105	68	175	62	284	61	295	546	1473
7.	Animal Husbandry	144	324	10	44	20	73	26	84	36	172	12	60	248	757
8.	Fisheries	25	57	2	5	7	20	15	43	4	16	13	40	66	181
9.	Rural Industries	64	169	8	28	8	28	14	52	12	44	14	70	120	391
10.	Commerce, Industries & Employment	84	150	1	1	8	19	11	38	21	83	22	90	147	381
11.	Energy	7	8	-	-	-	-	1	2	-	-	-	-	8	10
12.	Tourism	5	16	-	-	1	7	-	-	1	1	1	10	8	34
13.	Aviation	8	32	-	-	-	-	1	5	-	-	1	10	10	47
14.	Horticulture and Food Processing	61	223	7	15	6	6	28	83	22	94	32	224	156	645
Total		2730	8499	436	1708	416	1637	497	2104	466	2932	286	2174	4831	19054

Appendix 1.2

(Reference paragraph 1.7.3 Page 9)

Details of audit paragraphs in respect of which Departmental Replies were pending as of 30 September 2012

Sl. No.	Department	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Total
1	Farmer Welfare and Agriculture Department					1	1	2
2	Horticulture & Food Processing			3				3
3	Commerce, Industry & Employment	1						1
4	General (All departments)		1	1	1	1	1	5
Total		1	1	4	1	2	2	11

Appendix 1.3

(Reference paragraph 1.7.4 Page 9)

Paragraphs yet to be discussed by PAC as of 30 June 2012

Sl. No.	Department	2005-06	2006-07	2007-08	2008-09	2009-10	Total
1.	Public Works	7	-		3	-	10
2.	Water Resources	3	-	2	4	7	16
3.	NVDA	1	-	-	-	-	1
4	Animal Husbandry Department	-	-	-	-	2	2
Total		11		2	7	9	29

Appendix 1.4

(Reference paragraph 1.7.5 Page 9)

Statement showing year-wise and department-wise position of Audit Report paragraphs/reviews on which departmental Action Taken Notes on PAC Reports are pending as of September 2012

Departments	YEAR OF AUDIT REPORT																					
	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Total
Co-operation													4	4		2	1					11
Agriculture		2		2	3	3	4	1	5						1		3		2	1		27
Animal Husbandry					3			1	1	2			2	2					1			12
Rural Industry									1		1				1							3
Fisheries											1						1					2
Commerce/Industries & Employment			2				3			4		3							1			13
Public Works																						
Water Resources	4	2	6	4	4	3	2	3	3	2	7	5	9	-	8	1	7					70
Narmada Valley Development	25	-	30	13	13	13	2	6	4	5	4	3	7	5	2	2	4					138
Department	-	-	1	-	-	1	2	3	3	2	-	1	1	1	-	2	2	2	3			24
Total	29	4	39	19	23	20	13	14	17	15	13	12	23	12	12	7	18	2	7	1		300

Appendix 2.1
(Reference paragraph 2.1.8.1 Page 20)
Statement showing premature upgradation of roads under CRF and NABARD

Sl. no.	Name of division	Name of road	Scheme	Expenditure under SRIP	Work completed	Defect liability*	AA of GOI	Work order date
1	Ashok Nagar	Ashok Nagar Vidisha road 13 Km	CRF	72.43	Mar-09	Sept. 10	Jul-08	07.07.09
		Ashok nagar Piparai road 12 Km	CRF	76.67	Mar-09	Sept. 10	Dec-08	28.08.09
		Mungawali Piparai road 18 Km	CRF	116.11	Mar-09	Sept. 10	Dec-08	28.08.09
		Saraskhedii Naisarai road 18 Km	CRF	121.2	Mar-09	Sept. 10	Dec-08	20.08.09
2	Vidisha	Lateri Samsabad Rd (KM 0-16)	NABARD	123.99	May-08	Nov-09	Apr-07	29.05 08
3	Shajapur	Amla-Nalkheda (14KM)	CRF	62.01	Jul-08	Jan-10	Dec-08	27.02.09
		Barod-A lot (13.80km)	CRF	61.74	Jul-08	Jan-10	Dec-08	02.03.09
				634.15				

*Defect liability period (performance guarantee) was 18 months from the date of actual completion of work.

Appendix 2.2
(Reference paragraph 2.1.9.1 Page 23)
Statement showing Extra cost due to execution of BM plus SDBC instead of OGPC plus Seal Coat

Sl. No.	Name of Divisions	Name of works	Agt. No.	Fund	Crust Design by Dept.	Crust Design by Audit	Executed item	Qty.(cum)	Rate	To be executed	Qty. (sqm)	Rate	Tender %	Extra cost
1	Ashoknagar	Vijaypura to Essagath road	62/09-10	CRF	1.14 msa	<1 msa	BM	5174.53	3890	OGPC	103957.44	69	(-) 21.21	190.3
							SDBC	2613.96	5594	Seal coat	103957.44	33		
2	Narsinghpur	Lalpur Usri Gorakhpur road	152/08-09	CRF	Not calculated	<1msa	BM	4209.27	3890	OGPC	84185.68	80	14.84	214
							SDBC	2104.63	5594	Seal coat	84185.68	33		
3	Satna	Uchehra Parasmaniya Dureha road	394/07-08	MDR	< 1 msa	<1msa	BM	4511.661	3059	OGPC	90233.22	79	(-) 11.70	74.06
							SDBC	1004.81	4311	Seal coat	90233.22	29		
4	Rewa	Lalgani-Mangawan road	135/08-09	NABARD	1 msa	<1msa	SDBC on WBM	964.982	5594	OGPC	38599.28	80	(-) 16.01	8.71
							Seal coat			Seal coat	38599.28	33		
5	Rewa	Sitapur Bahera Dabar via Bador Harrana road	03/2010-2011	MDR	1 msa	< 1 msa	BM	3007.5	3000	OGPC	60150	63.2	Item rate overall 20% below	105.86
							SDBC	3007.5	4499	Seal coat	60150	23.2		
6	Ashoknagar	Khadwaya Mamoni road	71/10-11	DTAPT Fund	SP 20	curve C	BM	1875	3925	OGPC	37500	87	(-) 15.61	78.68
							SDBC	881.25	5640	Seal coat	37500	32		
7	Sehore	Bhopal Naka Sehore to Jamuniya road	01/2007-08	NABARD	SP 20	curve D	BM	1031.25	2059	OGPC	20625	44	21.00	26.96
							SDBC	515.615	2643	Seal coat	20625	17		
8	Sehore	Bhowkhedi	51/07-08	NABARD	SP 20	curve D	BM	2232.96	2059	OGPC	44659	44	21.00	58.13

Sl. No.	Name of Divisions	Name of works	Agt. No.	Fund	Crust Design by Dept.	Crust Design by Audit	Executed item	Qty.(cum)	Rate	To be executed	Qty. (sqm)	Rate	Tender %	Extra cost
		Amlaha Dhamanda road					SDBC	1108.96	2643	Seal coat	44659	17		
9	Dewas	Hapiplya Bhourasa road	336/08-09	CRF	3 msa	<1msa	BM	2917.5	2059	OGPC	58350	56	59.00	75.43
							SDBC	1133.75	2643	Seal coat	58350	17		
10	Khargone	Kastrawad-Pipalgoan road	105 DL/08-09	NABARD	3.3 msa	3.3 msa	DBM	3355.55	4955	BM	3355.55	3890	16.66	41.69
11	Chhindwara	Manegoan Pipariya Gamani Akalma Khursipar Khireti road	10/CRF/2 011-12	CRF	2 msa	< 1 msa	BM	1931.25	3878	OGPC	10300	87	Item rate overall 14.29% below	78.33
							SDBC	965.63	5528	Seal coat	10300	32		
12	Chhindwara	Nawegaon Bindrai-Bordari road	249 DL/CRF/2007-08	CRF	2 msa	< 1 msa	BM	2834.01	3059	OGPC	55112.4	64	0.79	96.27
							SDBC	1377.81	4311	Seal coat	55112.4	25		
13	Chhindwara	Sitadongri Bamhani road	26/CRF/09-10	CRF	1 msa	1msa	BM	2540.624	3984	Already provided executed OGPC,Sealcoat			At par	101.22
Total														1149.64

Appendix 2.3
(Reference paragraph 2.1.9.1 Page 24)
Statement showing execution of work beyond the scope of DPR and IRC 37 specifications

Sl. No.	Name of Division	Name of work	Agt. No.	Item executed	As per DPR		Actually executed		Allowed	Excess	Tender percent	Amount
					Thickness	Width	Thickness	Width				
1	Ashoknagar	Vijayapura to Essagarh road under CRF	62/09-10	GSB	180 mm	7 m	200 mm	11.7 m to 16.6 m	180 mm in 7 m	20 mm > 7 m @ 407/-	(-) 21.21	43.77
2	Guna	Awan (Janjali) to Maksudangar Rd under CRF	02/CRF/2009-10	GSB	210 mm	11.80 m	210 mm	11.8 m	150 mm as a drainage layer in 11.80 m	60 mm (26190 x 4.8 x 0.6) @ 380/cu m	SBD	28.66
3	Shajapur	Agar-Sarangpur Sadipur Mohanbadoria road under CRF	7/CRF/10-11	GSB	180 mm	3.75 m	225 mm	10 m	180 mm in 3.75 m	16742.75 cu m @ 368	SBD	61.61
4	Satna	Amarpatan to Rampur road under CRF	17/CRF/09-10	GSB	300 mm	5.5 m	300 mm	5.5 m	230 mm for 3 msa traffic CBR 5%	(21583 mx 5.5x0.07) @ 375/cu m	SBD	31.55
5	Sehore	Sehore Bilkisganj Bhadbhada road under CRF	06 DL/CRF/2009-10	GSB	250 mm	7 m	250 mm	7 m	180 mm for 3 msa CBR 6%	13230 cu m (27000x7x0.07) @ 350/cu m	SBD	46.31
6	Satna	Nagod Uchehra road length under CRF	7/CRF/09-10	GSB	300 mm	5.5 m	300 mm	5.5 m	230 mm for 3 msa CBR 5%	12705 cu m (33x 1000x5.5x0.07) @ 375/cu m	SBD	47.64
7	Dewas	Hatpihya Bhourasa road under CRF	336/2008-09	GSB	225 mm	1m both side in 21.20 km	220 mm, 100 mm & 200 mm	2.5 m, 3.0 m & 8.5 m in 11 km	5885 cu m	(12373 5885) @ 389/cu m	59.00	40.12
8	Dewas	Dewas-Rajoda-Kelod-Double Chowki road under CRF	52/2009-10	WBM	250 mm	3.75 m	250 mm WMM	4.25 m	250 mm in 3.75 m	(29070.48 - 25654.68) @ 659/cu m	(-) 9.99	20.26
9	Khandwa	Pandhana to Chaigaon Makhani road under NABARD	01 DL/2007-08	GSB	100 mm	3.75 m	130 mm	8.84 m	100 mm in 3.75 m	9346.72 cu m @ 387	24.90	43.73
												363.65

Appendix 2.4
(Reference paragraph 2.1.9.1 Page 24)
Statement showing unnecessary widening led to extra cost

Sl. No	Name of Division	Name of work	Agreement no.	Initial PCU	PCU after design life and completion period	Widening of carriage width	Un necessary widening	Calculation of extra cost						Amount (in lakh)	Total amount (in lakh)
								Item executed	Length (m)	width	thickness	Qty (cu m)	Rate		
1	Dewas	Pipalrawa Ilashkhedi Balon Birgod Cerehha road 17 Km under CRF	19/2009-10	962	2500	3.75 m to 5.5 m	1.75 m	GSB	11500	1.75m	250 mm	5031.25	290	14.59	106.96
								WWM	9800	1.75m	250 mm	4287.5	760	35.58	
								BM	9750	1.75m	50 mm	853.125	4055	34.59	
								SDBC	9750	1.75m	25 mm	426.56	5205	22.2	
								CRM	18800	1.50 m	100 mm	2820	521	14.69	
2	Chhindwara	Amarwara Umariya Banki Beharia road under CRF	05/CRF/2009-10	2305	4590	5.5 m to 7 m	1.5 m	WWM	18800	1.50 m	250 mm	7050	1094	77.13	195.32
								Primer Coat	15400	1.50 m	0	23100 sqm	19	4.39	
								Tack Coat	15400	1.50 m	0	23100sqm	10	2.31	
								BM	15400	1.50 m	50 mm	1155	3878	44.79	
								SDBC	15400	1.50 m	25 mm	577.5	5528	31.92	
								GSB	19600	1.50 m	100 mm	2940	415	12.20	
								CRM	19600	1.50 m	200 mm	5880	590	34.69	
3	Chhindwara	Sausar Rajana road under CRF	01/CE JBP/2010-11	2408	5729	5.5 m to 7 m	1.5 m	WWM	19600	1.50 m	250 mm	7350	875	64.31	238.50
								Primer Coat	19600	1.50 m	0	29400 sqm	22	6.47	
								Tack Coat	19600	1.50 m	0	29400 sqm	11	3.23	
								DBM	19600	1.50 m	50 mm	1470	5000	73.50	
								BC	19600	1.50 m	30 mm	882	5000	44.10	
								GSB Gr.I	17320	1.75 m	100 mm	3031	387	11.73	
								GSB Gr.II	17320	1.75 m	200 mm	6062	407	24.67	
4	Chhindwara	Samaswara Sankh Khamra road	75 DL/08-09 (12.99% above)	1072	2551	3.75 m to 5.5 m	1.75 m	CRM	17320	1.75 m	300 mm	9093	523	47.55	192.45
								Primer Coat	17320	1.75 m	0	30310 sqm	17	5.15	
								Tack Coat	17320	1.75 m	0	30310 sqm	7	2.19	
								BM	17320	1.75 m	50 mm	1515.5	3059	46.36	
								SDBC	17320	1.75 m	25 mm	557.75	4311	32.67	
5	Chhindwara	Multai Rohana-Gaurayya Pawana Road	14/CRF/2010-11	2070	4790	5.5 m to 7.0 m	1.5 m	GSB	6800	1.5m	100 mm	1020	405	4.13	82.38
								CRM	6800	1.5m	225 mm	2295	675	15.49	
								WWM	6800	1.5m	250 mm	2250	872	19.62	
								BM	6800	1.5m	60 mm	612	3690	22.58	
								SDBC	6800	1.5m	40 mm	408	5040	20.56	
Total														815.61	

Appendix 2.5
(Reference paragraph 2.1.9.3 Page 27)
Statement showing execution of surface dressing instead of primer coat

Sl. No.	Name of Divisions	Name of works	Agt. No	Funds	Qty of SD (in sq m)	Rate of SD	Rate of Primer coat	Tender%	Diff. amount
1	Guna	Myana Nai Sarai road to Mavan via Khonkar	179/SAC/06-07	CRF	67281.75	23	18	4.17	3.50
2	Guna	Chachoda-Mrigwas-Bakanya road	01/SAC/07-08	CRF	89127.99	23	13	14.21	10.18
3	Asoknagar	Ashoknagar Eshagarh road	31/2009-2010	CRF	124740	47	25	2.89	28.24
4	Asoknagar	Asoknagar Piprai Mugawali road	32/2009-2010	CRF	104445	47	25	(-) 6.80	21.42
5	Narsinghpur	Mungawali Gorakhpur road	15/CRF/2009-10	CRF	80190	44	19	SBD*	21.68
6	Narsinghpur	Lalpur Usri Gorakhpur road	152DL/2008-09	CRF	82585.68	47	25	14.84	20.87
7	Sagar	Bhapel jaisinagar road	61DL/ 2007-08	CRF	64177	36	17	(-) 7.29	11.30
8	Rewa	Piprahi Jarkundi road	90 DL/2008-09	NABARD	61076.63	36	18	(-)18.33	8.98
9	Rewa	Lalganj-Mangawan road	135DL/2008-09	NABARD	23268.38	47	25	(-) 16.01	4.30
10	Gwalior	Shetla Mata Chinor road	20 SAC A/07-08	Plan	57909.75	23	18	17.00	3.36
11	Narsinghpur	Paloha Amoda Ulthan road	216/08-09	Plan	22226.62	47	25	19.77	5.86
12	Sagar	Sahajpur Tendukheda road	225 DL/2007-08	Plan	37875	36	17	(-) 4.00	6.91
13	Satna	Kripalpur Ramasthan road	69/05-06	NABARD	43841.21	23	provided	(-) 16.06	10.08
14	Sehore	Dhamnda vi Amlaha road	51/07-08	NABARD	37323	23	18	21.00	2.26

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Sl. No.	Name of Divisions	Name of works	Agt. No	Funds	Qty of SD (in sq m)	Rate of SD	Rate of Primer coat	Tender%	Diff. amount
15	Sehore	Charnal Chandbad road	52/07-08	NABARD	61657.50	36	17	7.55	11.5
16	Shajapur	Khardonekala ugli Shujalpur road	18/2007-2008	NABARD	24675.00	23	18	19.55	1.47
17	Shajapur	Balnce work Khardonekala ugli Shujalpur road	177/10-11	NABARD	67875	42	22	17.60	11.19
18	Shajapur	Bhesoda Badagoan road	168/07-08	NABARD	33525	36	17	(-) 2.90	6.55
19	Shajapur	Sundersi Khadi polay pipalranva road	339/2006-07	NABARD	67363.12	23	18	14.31	3.85
20	Shajapur	Barod to Susner	139/08-09	NABARD	54375	47	25	(-) 14.00	10.28
21	Vidisha	Anuppur-Majaharkhedi	13/2008-2009	NABARD	62219.98	36	17	(-) 11.31	10.48
22	Vidisha	Sanchi-Udaigiri-Gulabganj-Basoda-Bareth-Udaipura road	10/2007-2008	NABARD	125446	23	18	38.07	8.66
23	Vidisha	Gadhi-Ahmadpur-Vidisha	112/10-11	Plan	65659.48	42	19	(-) 22.11	11.76
24	Dewas	Hatpihya Bhourasa road	336/2008-09	CRF	58500	23	18	59.00	4.65
25	Dewas	Hatpihya-Tappa-Sidhikganj road	50/2009-10	CRF	106469	51	22	(-) 15.66	26.04
26	Khandwa	Jalkuwa Bhagiyapur Semliya Gudi road	57 DL/2006-07	NABARD	58564.94	23	13	9.90	6.44
27	Chhindwara	Nawegaon Bindrai- Bordari road	²⁴⁹ DL/CRF/2007-08	CRF	25205.23	36	17	0.79	4.82
	Total								276.63

Overall below tender premium 10.58 per cent 80190{44 - (19 - 10.58%)}

Appendix 2.6
(Reference paragraph 2.1.9.3 Page 27)
Statement showing inadmissible payment of tack coat

(₹ in lakh)

Sl. No.	Name of Divisions	Name of works	Funding	Agt. No	Qty. of tack coat (in sqm)	Rate	Tender ^o %	Total amount
1	Satna	Satna Semariya road	CRF	12/CRF/2010-11	105455.27	10	SBD	10.54
2	Satna	Amarpatan to Rampur road	CRF	17/CRF/09-10	124579.65	3	SBD	3.73
3	Satna	Nagod Uchehra road	CRF	7/CRF/09-10	131210.06	8	SBD	10.50
4	Sagar	Khurai Rajwas road	CRF	02/CCS/10-11	24557.50	8	SBD	1.96
5	Narsinghpur	Mungawali Gorakhpur	CRF	15/CRF/2009-10	80190	8	SBD	6.42
6	Narsinghpur	Lalpur Usri Gorakhpur road	CRF	152DL/2008-09	84185.68	9	14.84	8.70
7	Rewa	Govindgarh Tikar road	MDR	4MDR/2010-11	48678.75	7	SBD	3.41
8	Khargone	Kasrawad Pipalgoan Londi road	NABARD	105/2008-09	80348.40	9	16.66	8.44
Total								53.70

Appendix 2.7
(Reference paragraph 2.1.9.4 Page 27)
Statement showing excess payment to the contractor due to non-deployment of electronic sensor paver

(₹ in lakh)

Sl. No	Name of divisions	Name of roads	Agt. No	Item executed	Quantity	Difference	Tender %	Amount
1	Satna	Cement concrete road from civil line chowk to under bridge 2.08 Km (Scotland road)	274/2010-11	DLC	3104.166 cu m	150/cu m	(-) 17.01	25.08
				M 40	7305.66 cu m	350/cu m		
		Satna Chitrakut Road under plan	414/2008-09	DLC	4046.454 cu m	150/cu m	6.20	36.37
				CC	8050.616 cu m	350/cu m		
2	Rewa	SemariyaKakredi road MDR	2MDR/2010-11	DLC	453.90 cu m	150/cu m	SBD	4.16
				M 40	993 cu m	350/cu m		
3	Narsinghpur	Paloha Amoda Ulthan road under plan	216/08-09	DLC	703.85 cu m	150/cu m	19.77	8.04
				M40	1616.89 cu m	350/cu m		
	Total							73.65

Appendix 2.8
(Reference paragraph 2.1.9.5 Page 28)
Statement showing excess payment due to short deployment of technical staff

Sl. No.	Name of Divisions	Name of roads	Agt. No.	Period	Engineer required to be deployed	Engineer actually deployed	Graduate @ 10000/month	(₹ in lakh)	
								Amount	
1	Schore	Schore Bilkisganj Bhadhadra road under CRF	06 DL/CRF/ 2009-10	22 months	6	nil	6	11.50	
2	Schore	Daroha- Ahamadpur Road under plan	1DL/2011-12	8 months	6	1	5	4.40	
3	Sagar	Khurai Rajiwansh road KM 1-to KM 14 under CRF	01 DL/CSS/ 2010-11	16 months	6	Nil	6	9.60	
4	Satna	Satna Semariya road under CRF	12/CRF/2010-11	21 months	6	Nil	6	12.60	
5	Dewas	Pipalrawa Ilashkhedi Balon Birgod Cerehha road Under CRF	19/2009-10	20 months	6	2	4	8.00	
6	Dewas	Devli-Choubaradhira Eklara Surjana Pipalrawa road under CRF	20/2009-10	18 months	6	1	5	9.00	
7	Rewa	Govindgarh Tikar road under Plan	4MDR/2010-11	25 months	6	2	4	10.00	
8	Rewa	SemariyaKakredi road under Plan	2MDR/2010-11	24 months	6	2	4	9.60	
Total								74.70	

Appendix 2.9
(Reference paragraph 2.1.10.1 Page 29)
Statement showing non-imposition of liquidated damages

Sl. No.	Name of Divisions	Name of works	Agt. No.	Funding	PAC	Date of W.O	Completion period	Delay	Penalty	Amount
1	Sagar	Ujjainaithi Patan Road	03 DL/ 2008-09	NABARD	204.77	03.05.08	16 months i/c rainy season up to 02.09.09	497 days	1/16% per week	9.07
2	Sagar	Sahajpur Tendukheda road	225 DL/2007-08	NABARD	470.2	28.02.08	16 months i/c rainy season up to 27.06.09	990 days	6%	31.81
3	Sagar	Khurai Thawri Road	231/07-08	NABARD	308.44	29.02.08	16 months i/c rainy season up to 28.06.09	900 days	6%	18.51
4	Sehore	Dhamnda- Amlaha	51/07-08	NABARD	251.36 lakh	04.07.07	14 months i/c rainy season up to 03.09.08	1245 days	6%	15.08
5	Sehore	Charnal - chandbad	52/ 07-08	NABARD	494 lakh	17.07.07	14 months i/c rainy season upto 16.09.08	1232 days	6%	29.64
6	Sehore	Kalwana jholiyapur	90/08-09	NABARD	403.66 lakh	11.08.08	12 months i/c rainy season upto 10.08.09	880 days	6%	24.21
7	Sehore	Shahganj Abudullah ganj	15/2007-2008	NABARD	447.14 lakh	24.05.07	14 months i/c rainy season upto 23.07.08	818 days	6%	26.83
8	Sehore	Nasrullah Ganj Package	64DL/2008-09	Plan	3259	24.07.08	17 months i/c rainy season up to 21.12.09	763 days	6%	195.54
9	Sehore	Bhaukhedhi- Bisankhedhi road	78/08-09	Plan	230.66	04.04.08	10 months i/c rainy season upto 03.06.09	678 days	6%	12.88
10	Rewa	Govindgarh Tikar road	4MDR/2010-	MDR	246.35	07.04.10	10 months i/c rainy	450	10%	24.64

Sl. No.	Name of Divisions	Name of works	Agt. No.	Funding	PAC	Date of W.O	Completion period	Delay	Penalty	Amount
			11(SBD)				season up to 02.02.10	days		
11	Rewa	Piprahi Jarkundi road	90 DL/2008-09	NABARD	536.26	01.09.08	16 months i/c rainy season up to 31.12.09	850 days	6%	32.29
12	Rewa	Lalganj Mangawa road	135DL/2008-09	NABARD	296.45	15.10.08	16 months i/c rainy season up to 14.02.10	400 days	6%	17.78
13	Rewa	Sitapur Bahera Dabar via Bador Harrana road	03/MDR/10-11 (SBD)	MDR	478.16	07.04.10	13 months i/c rainy season up to 06.05.11	365 days	10%	47.81
14	Vidisha	Basoda Sironj road	01 DL/CRF/09-10	CRF	2507.00 lakh	29.01.10	22 months i/c rainy season up to 28.11.11	156 days	1/2000 per day of initial cost	195.57
15	Vidisha	Basoda Sombara road	33 DL/CRF/07-08	CRF	462.53 lakh	4.06.07	13 months i/c rainy season up to 03.07.07	334 days	1/16% per week	12.72
16	Vidisha	Anuppur-Majaharkheddi	13/2008-2009	NABARD	451.30 lakh	15.04.08	15 months i/c rainy season up to 14.07.09	546 days	6%	27.08
17	Vidisha	Sanchi-Udaigiri-Gulabganj-Basoda-Bareth-Udaipura road	10/2007-2008	NABARD	1446.72	18.04.07	18 months i/c rainy season upto 17.10.08	1095 days	6%	62.80
18	Vidisha	Pagrani to Mahukheda Prathvirajpur	136/08-09	Plan	356.26	10.10.08	13 months i/c rainy season upto 09.11.09	749 days	6%	21.38
19	Vidisha	Gyarshpur-Indravas	112DL/06-07	NABARD	357.87	20.01.07	12 months i/c rainy season upto 19.01.08	1092 days	6%	21.47
20	Shajapur	Agar-SarangpurSadipur Mohanbadoria road	7/CRF/10-11	CRF	847.41	02.07.10	15 months i/c rainy season up to 01.10.11	Item rate	10%	84.74

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Sl. No.	Name of Divisions	Name of works	Agt. No.	Funding	PAC	Date of W.O	Completion period	Delay	Penalty	Amount
21	Shajapur	JethdaJod-Kalapipal-Magarkhedi-Chandbad road	11/CRF/09-10	CRF	2309	15.02.10	22 months i/c rainy season up to 14.12.11	Item rate	10%	230.90
22	Shajapur	Susner to Pidawa via Patpada road	07/MDR/2010-11	MDR	454.39	09.04.10	13 months i/c rainy season up to 08.05.11	206 days	10%	45.43
23	Ashoknagar	Ashoknagar-Piprai-Mungaoli road	32/2009-10	CRF	2086	28.08.09	17 months i/c rainy season upto 27.01.11	396 days	6%	125.16
24	Khandwa	Pandhana to Chaigaon Makhani road	01 DL/2007-08	NABARD	432.83	11.04.07	16 months i/c rainy season up to 10.08.08	862 days	6%	25.97
25	Chhindwara	Sausar Rajana road	01/CE JBP/2010-11	CRF	1342.01	16.12.10	18 months i/c rainy season up to 15.06.12	Item rate	10%	134.20
26	Chhindwara	Manegoan Pipariya Gamani Akalma Khursipar Khireti road	10/CRF/2011-12	CRF	679.88	08.07.11	15 months i/c rainy season, even 1st milestone not achieved	Item rate	10%	67.98
27	Chhindwara	Amarwara Umariya Banki Beharia road	05/CRF/2009-10	CRF	1480.87	01.02.10	18 months i/c rainy season up to 31.07.11	Item rate	10%	148.08
28	Chhindwara	Nawegaon Bindrai-Bordari road	249 DL/CRF/2007-08	CRF	415.72	03.11.07	12 months i/c rainy season up to 02.11.08	1305 days	6.00%	24.94
Total										1714.51

Appendix 2.10
(Reference paragraph 2.1.10.2 Page 29)
Statement showing inadmissible payment of Price Variation after agreed period

Sl. No.	Name of Divisions	Name of works	Agt. No.	Funds	Date of work Order	Completion period	Amount
1	Gwalior 2	Shetla Mata Chinor Road	20 SAC A/07-08	Plan	14.05.2007	10 months i/c RS	46.37
2	Satna	Uchehra Parasmaniya Dureha road	394/EE/N/07-08	MDR	02.01.2008	16 months i/c RS	35.92
3	Shajapur	Bhesoda Badagoan road	168/07-08	NABARD	03.11.07	10 months i/c RS	16.96
4	Shajapur	Sundersi Khadi polay pipalranva road	339/2006-07	NABARD	02.03.07	11 months	31.64
5	Shajapur	Polaikala to Ranayal	321/06-07	NABARD	15.02.07	16 months	17.61
6	Ashoknagar	Vijayapura to Essagarh road	62/09-10	CRF	24.09.09	12 months	8.83
7	Ashoknagar	Ashoknagar-Piprai-Mungaoli	32/09-10	CRF	28.08.09	17 months	37.97
8	Ashoknagar	Ashoknagar-Essagarh to Naisarai	31/09-10	CRF	20.08.09	15 months	52.15
Total							247.45

Appendix 2.11
(Reference paragraph 2.1.10.4 Page 32)

Statement showing non recovery of mobilisation advance

(₹ in lakh)

Sl. No.	Name of Divisions	Name of Works	Agt. No.	Date of Work order	Completion period	Outstanding Amount
1	Guna	Awan (Janjali) to Maksudangarh Rd. under CRF	02/CRF/2009-10	09.01.2010	22 Months up to 28.11.11	127.65
2	Shajapur	JethdaJod-Kalapipal-Magarkhedi-Chandbad road under CRF	11/CRF/09-10	15.02.2010	22 Months up to 14.12.11	57.72
3	Chhindwara	Sausar Rajana road under CRF	01/CE JBP/2010-11	06.12.2010	18 months i/c rainy season up to 05.06.12	28.68
Total						214.05

Appendix 2.12
(Reference paragraph 2.1.10.7 Page 34)
Statement showing delay in completion of NABARD works

Sl. No.	Name of Division	Name of Work	Road length (in Km)	PAC (in lakh)	Tender %	W.O. date	To be completed	Exp. (in lakh)	Status of work as on	Interest @ 6.5%
1	Sehore	Charnal Chandbad to Parason road	19.00	494.00	7.55	17.07.07	16.09.08	505.45	Incomplete as of Jan 2012	109.51
2		Gopalpur Seegoan Narayanpur road	10.00	212.30	29.99	15.05.07	14.04.08	269.58		65.71
3		Bhaukhedi Jode to Dhamanda	17.60	251.36	21.00	04.07.07	03.08.08	251.36		55.82
4		Neelbad approach road	7.00	119.82	16.11	22.02.07	21.10.07	52.30		14.44
5		Rala Tilariay road	7.18	(i)145.19 (ii)106.95	(i) 74.90 (ii) 18.90	26.04.07	25.12.07	163.52		43.48
6		Kalwana canal to Jholiapur	15.00	403.66	(-) 7.50	11.08.08	10.07.09	292.23		47.48
7		Gilarhi to Doma road	4.00	134.17	(-) 1.73	25.07.08	24.05.09	59.02		10.23
8		Amon to Sagpur road	3.40	114.35	10.90	18.05.09	17.01.10	137.50		17.87
9		Aroliya Kurawar	9.00	296.64	(-) 10.88	18.05.09	17.04.10	180.92		19.60
10		Obadullaganj Sahganj road	18.00	(i)447.14 (ii)114.61	21.99 25.00	24.05.07	23.07.08	419.77		95.50
11		Semaradagi to Atralia Jetali Baradi	11.00	348.98	(-) 18.47	23.01.09	22.03.10	140.95		16.03
1	Gwalior 2	Rangawa Deygarh Jigania road	9.60	300.00	3.99	30.11.07	29.09.08	228.13	Incomplete as of Jan 2012	49.52
2		Makoda Antri Chhimak road length	25.60	375.00	19.60	18.04.07	06.02.08	417.95		108.66
3		Balance work -----do-----		206.00	11.70	08.12.11	07.06.12			
		Danda Khirak Tighra road length	34.20	450.00	4.77	30.11.07	29.09.08	223.53		48.56
		Balance work -----do-----		453.00	(-) 16.90	13.12.10	13.11.11			

Sl.	Name of	Name of Work	Road	PAC (in	Tender	W.O.	To be	Exp. (in	Status of	Interest
4		Karahia to Aron via Golar Ghati road length	15.00	363.12	(-) 22.57	07.10.08	07.08.09	55.56		8.66
1	Narsinghpur	Karapgoan Khamariya Aamgaon road	8.40	306.87	11.00	05.02.10	04.07.11	230.12	Incomplete as of March 2012	9.97
1		Kathulia Hardi road length	11.00	226.66	(-) 13.39	23.07.07	22.07.08	159.27		37.95
2		Shanab Hardi Rahat Dadar road	7.93	275.27	(-) 26.26	13.10.08	12.12.09	34.94		5.10
3		Lalgaon Mangawa road	14.60	296.45	(-) 16.01	10.10.08	09.02.10	198.32	Incomplete as of March 2012	25.78
4		Gangev Tikuri road	7.20	136.78	(-) 16.63	13.10.08	12.10.09	31.50		4.94
5		Chandrapur More to Baroo road	4.50	128.00	(-) 32.34	19.11.10	18.05.11	103.51		05.60
6		Gangev Khaira keuti road	13.00	240.71	(-) 15.11	26.06.07	13.12.08	204.33		43.09
7		Chak Chandpur road	13.25	284.78	(-) 3.33	07.06.07	06.06.08	245.38		59.81
8		Pipari jadkur road	25.00	538.26	(-) 18.33	01.09.08	31.12.09	329.15		48.13
1		Pajnari to Kandhari road	6.00	195.54	(-) 27.00	15.02.08	14.02.09	82.61		16.55
2		Mokalpur to Udayapura Bersela road	11.00	320.93	(-) 28.18	05.03.08	04.07.09	92.53		15.53
3		Hilgan to bhaswahi road	6.70	221.76	(-) 5.50	15.02.08	14.06.09	172.12		30.76
4		Luhagar Nawalpur Sahua Hard road	6.80	251.74	(-) 25.78	11.02.08	10.06.09	240.54	Incomplete as of March 2012	42.99
5		Khurai thawari road	9.31	308.44	(-) 32.18	05.03.08	04.07.09	168.74		29.24
6		Bhapsone to Satoria road	5.70	154.23	(-) 25.00	18.02.08	17.02.09	75.84		15.19
7		Khurai Nagna Donga Barodiay Ballav Luhar road	15.40	639.37	(-) 21.50	07.02.09	06.07.10	484.34		52.44
8		Sihora Lotna Lotni Hirapur Nariabali road	14.00	621.64	(-) 22.05	30.01.09	29.07.10	224.27		24.59
1		Lateri Shamshabad km 32 to Nathanpura Kamarkhedli	7.50	187.02	(-) 22.80	16.05.06	02.12.06	104.13	Incomplete as of Oct. 2011	32.71
2		Dudhawari to chhapara	6.00	138.11	3.48	27.11.06	26.08.07	63.31		17.14
3		Lashkar Jamldi Kheruahat	7.00		(-) 22.00	27.04.05	27.01.06	57.62		21.53
4		Karariya Shamsabad Km	16.65	446.83	(-) 22.89	16.05.05	15.04.06	102.60		36.67

Sl.	Name of	Name of Work	Road	PAC (in	Tender	W.O.	To be	Exp. (in	Status of	Interest
		16/2 to Nathanpur Karrakhedi Mudra Naktara Nateran								
5		Babachia to Mudrachand	5.80	133.8	3.47	27.11.06	26.08.08	144.87		29.81
6		Bairasia road to Bagri jambar	4.00	104.25	0.47	27.11.06	26.07.07	55.12		15.22
7		Sayar to Kosakhede	3.80	96.52	(-) 5.11	29.01.07	28.10.07	86.71		22.40
8		Kurwai to Barual via Kathora nahi	12.40	266.74	20.70	19.04.07	18.04.08	230.02		52.33
9		Vidisha to Ashoknagar	24.80	506.87	14.40	26.06.07	25.09.08	370.06		74.16
10		Shanchi Udaygiri	83.20	1042.3	38.07	18.04.07	17.10.08	1059.7		206.64
11		Pathari to Kirakhedi	15.00	527.15	(-) 9.68	02.02.08	01.05.09	129.29		21.00
12		Soothiya to Ahmadpur	11.00	296.87	(-) 11.00	10.04.08	09.04.09	67.23		10.92
13		Barjheda approach road	4.60	166.23	(-) 10.00	16.01.09	15.07.09	142.48		80.83
14		Puragosai Ghatera Ponia Murghuri	10.00	323.00	(-) 2.51	09.05.08	08.06.09	88.59		13.43
15		Badi Ukawad to Mundela	9.50	258.06	(-) 19.27	18.06.08	17.06.09	54.60		8.28
16		Durang Dhamukhedi	16.00	539.98	(-) 11.51	12.11.09	11.01.11	333.66		18.07
17		Gruut to Balakheda road.	26.00	963.61	(-) 18.82	19.01.10	18.06.11	168.49		3.65
18		Dayanandpur to Badanpur	6.00	160.92	1.47	27.11.06	26.09.07	160.92		42.71
1		Nainwar Girwar Karedi road	8.20	186.1	2.00	01.08.06	31.07.07	85.45		24.06
2		Kalapipal Kurawar	7.00	198.00	(-) 9.55	01.05.08	28.02.09	119.31	Incomplete as of Nov. 2011	21.32
3	Shajapur	Polaikala Khatsur via Himleshwar	8.00	181.00	(-) 9.55	01.05.08	28.02.09	157.86		28.21
4		Barod Susner	25.40	364.19	(-) 14.00	22.10.08	19.10.09	317.96		43.05
5		Kalisindh Kulmankhedi	8.00	250.62	7.49	11.11.08	15.07.09	229.29		34.77
6		Mansaya Semaliya	9.50	250.62	1.00	30.01.09	30.12.09	149.26		18.59
			720.72					10953.81		2038.59

Appendix 2.13

(Reference paragraph 2.1.10.8 Page 35)

Statement showing undue financial aid to contractor due to non-obtaining additional security for unbalance bid

(₹ in lakh)

Sl. No.	Name of Divisions	Name of works	Fund	Item	Quantity	Estimated rate	Quoted rate	Difference	Total amount
1	Chhindwara	Sausar Rajana road	CRF	E/w manual	27027 cu m	73	150	77	20.81
2	Chhindwara	Balance work of Amarwara-Umariya-Banki-Behariya road	CRF	CRM	12656 cu m	705	900	195	24.68
				BM	5390 cu m	3878	5600	1722	92.82
				SDBC	2695 cu m	5528	6200	672	18.11
3	Khandwa	Khandwa Mundi road	MDR	WMM	45281.30 cu m	659	900	241	109.13
									265.55

Appendix 2.14
(Reference paragraph 2.1.11.1 Page 36)
Statement showing sub standard execution of work of Bituminous Macadam under CRF

Sl. No.	Name of Divisions	Name of Works	Agreement number	Funds	Qty. of BM (cu m)	Rate	Tender %	Total amount	Delay in execution of SDBC (₹ in lakh)
1	Ashoknagar	Ashoknagar-Piprai-Mungaoli road	32/2009-10	CRF	2224.75	3890/cu m	(-) 6.8%	80.66	15 days to 365 days
2	Guna	Awan (Janjali) to Maksudangarh Rd	02/CRF/2009-10	CRF	7812	3500/cu m	item rate	273.42	3 months to 11 months
3	Guna	Myana Nai Sarai road to Mavan via Khonkar	179/SAC/06-07	CRF	900	2059/cu m	4.17%	19.30	after 1 year
4	Sagar	Khurai Rajvansh road phase 1 KM 1-to KM 14	01 DL/CSS/ 2010-11	CRF	1485	3920/cu m	item rate	58.21	35 days to 75 days
5	Sagar	Khurai Rajwas road Km 17.80 Phase II (Km 15 to 32/2)	02/CCS/10-11	CRF	2396.615	4000/cu m	item rate	95.86	22 days to 1 year
6	Satna	Satna Semariya road	12/CRF/2010-11	CRF	5282.718	3600/cu m	item rate	190.18	5 days to 53 days
7	Satna	Nagod Uchehra road	7/CRF/09-10	CRF	6560.53	3875/cu m	item rate	254.22	after 48 hours
8	Vidisha	Basoda Sironj road	01 DL/CRF/09-10	CRF	5978	3970/cu m	item rate	194.25	6 months
9	Satna	Uchehra Parasmaniya Dureha road	394/EE//07-08	MDR	2502.041	3059/cu m	(-) 11.7%	65.58	1 year
10	Dewas	Hatpihya Bhourasa road	336/2008-09	CRF	2917.5	2059/cu m	59%	95.91	7 days to 41 days
11	Dewas	Dewas-Rajoda-Kelod-Double Chowki road	52/2009-10	CRF	3575.44	3702/cu m	(-) 9.99%	119.14	15 days and 120days
12	Dewas	Hatpihya-Tappa-Sidhikganj road	50/2009-10	CRF	6121.5	3702/cu m	(-) 15.66%	191.13	more than 48 hours
13	Khargone	Bedia Pipalgoan road	08/MDR/2010-11	MDR	2612.75	3400/cu m	item rate	88.83	more than 3 months
		Total			50368.844			1726.69	

Appendix 2.15
(Reference paragraph 2.2.3.2 Page 46)
Statement showing wasteful expenditure on construction of MI schemes due to poor planning

Name of division	Name of MI scheme, IP in ha	Year of start of work and expenditure	Provision	Observation	Reply of the EE/ Our further remarks
WR division Chhindwara	Jhirlinga tank, 182 ha	2004 ₹ 1.48 crore	As per para 7,008 and 8,001 of WD Manual, gauge and discharge data, rainfall data, meteorological data including should be collected for preparation of Detailed Project Report (DPR) for irrigation projects. Therefore, detailed survey including geotechnical investigations is required to be done before taking up an irrigation scheme.	We noticed that geotechnical investigations including porosity of Jhirlinga tank basin was not done. After execution of the work it was found that the tank basin had excessive porosity. As a result, water was not retaining in the basin in sufficient quantity. Therefore, only 12 ha irrigation for Rabi in the year 2009-10 and only five ha irrigation for Rabi in the year 2010-11 could be done. Thus, meagre irrigation after completion of the project proved the project unfeasible and expenditure of ₹ 2.48 crore largely remained unfruitful due to inadequate planning.	The EE stated that the geological test for strata verification was not done for construction of minor projects. Generally seepage is possible due to porosity of strata. The proposal to stop seepage of this scheme was sent to dam safety BODHI for suggestions to stop the seepage. The treatment would be done as per suggestions. E-in-C further stated (October 2012) that directions were being given to Director, BODHI for ensuring availability of the water in the tank. The reply confirms that geological test for strata verification was not done before taking up construction of minor projects.
WR Division Hiran Jabalpur	Marhapatha tank, 55.46 ha	October 2008 ₹ 86.57 lakh	Before taking up any project, feasibility of various alternatives of the scheme should be ascertained so as to avoid abandonment of project at later stage due to its non-feasibility.	We noticed that the canal of Marhapatha tank was excluded from the scope of work in January 2012 without assigning any reason for abandonment after incurring an expenditure of ₹ 86.57 lakh. The E-in-C asked (December 2011) to ensure the possibility of irrigation by means of lift and other resources. Thus, feasibility of the scheme was not	As per instruction of the PS, WRD, canal work was not executed. Therefore, there was no planning and design deficiency of the project. E-in-C further stated (October 2012) that it was decided to execute the work without canal as the capacity of scheme is only

Name of division	Name of MI scheme, IP in ha	Year of start of work and expenditure	Provision	Observation	Reply of the EE/ Our further remarks
WR Division Hiran Jabalpur	Pipariya tank, 85 ha	March 2009 ₹ 10.60 lakh	As per para 7.008 and 8.001 of WD Manual, gauge and discharge data, rainfall data, meteorological data including geological reports should be collected for detailed investigation for irrigation projects. Therefore, detailed survey including command area is required to be planned and done before taking up a MI scheme to establish feasibility of a scheme.	established while planning for the MI scheme. As a result, expenditure of ₹ 86.57 lakh remained locked in the incomplete scheme.	55 ha. The reply confirms that feasibility of construction of canal was not ensured at the time of planning of MI.
WR Division Hiran Jabalpur	Silwa tank, 85 ha	October 2008 ₹ 95.42 lakh	As per para 2.028 of the WD Manual an officer according the technical sanction to an estimate is responsible for soundness of design and for incorporating all the items required for the inclusion in estimate with reference to drawing.	We noticed that the Department prepared a plan for Piparia MI scheme having less than one square mile catchment area. Later on, after taking up the work for execution and incurring an expenditure of ₹ 10.60 lakh, the EE requested (February 2011) for writing off the schemes on the ground that the scheme had catchment area less than one square mile as per the direction of Principal Secretary, WRD. The SE granted (April 2011) permission to stop the work. Thus, it is evident that feasibility was not established before taking up the work. As a result, the expenditure of ₹ 10.60 lakh remained unfruitful.	E-in-C stated (October 2012) that work of scheme was stopped due to less catchment area and an amount of ₹ 9.68 lakh for land acquisition would be utilised for other schemes. The reply confirms inadequate survey and planning before taking up the work.
WR Division Hiran Jabalpur	Silwa tank, 85 ha	October 2008 ₹ 95.42 lakh	As per para 2.028 of the WD Manual an officer according the technical sanction to an estimate is responsible for soundness of design and for incorporating all the items required for the inclusion in estimate with reference to drawing.	We noticed that work of construction of Silwa tank project included construction of canal. Notification under Section-4 for acquisition of private land was published in February 2009 for canal work i.e. after issue of work order (October 2008). The acquisition of land for the canal was under process. Meanwhile, the canal work was deleted (April 2010) from the scope of work and the contract was finalised (December 2011) for incomplete work. This resulted in unfruitful expenditure of ₹ 95.42	The canal work at RD 0 m to RD 150 m was completed during the month February 2011. Meanwhile, Principal Secretary, WRD instructed for deletion of canal work from the project. In compliance to the order, canal beyond 150 m was not constructed by the contractor. E-in-C further stated (October 2012) that canal was not being constructed as area

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Name of division	Name of MI scheme, IP in ha	Year of start of work and expenditure	Provision	Observation	Reply of the EE/ Our further remarks
WR Division Katni	Jujhari Kaliya, 200 ha	January 2009/ ₹ 2.48 crore	As per para 7.003 of WD Manual, after receipt of AA for survey and investigation, technical sanction to the survey estimate shall be accorded by the officers competent to sanction it and thereafter detailed survey and investigation of the project will be started. Before starting the survey work, permanent bench marks will be established at suitable places. The Sub-Engineers entrusted with the survey work shall be fully responsible for the correctness of survey and levels. Therefore, survey should be done according to the laid down procedure so as to find out all the bottlenecks and difficulties which may arise during execution.	lakh on head work as the canal work was not completed. We noticed that the head work of the MI scheme planned to be completed by April 2010, was not completed by the contractor (April 2012) attributing existence of stone quarry in approach channel of waste weir. Thus, expenditure of ₹ 2.48 crore on construction of head work remained unfruitful, even after a lapse of 24 months.	of scheme was less than 100 ha. The reply, however does not explain reasons for inclusion of canal initially in the scope of work, and its deletion afterward, is indication of poor planning. E-in-C stated (October 2012) that there was no quarry at time of survey for the work as well as at time of start of work. The work was not delayed due to quarry in waste weir. Work of headwork has been completed and irrigation facility would be provided up to March 2013 after completion of canal work. The reply, however, does not explain reasons for delay in completion of head work.
Total	607.46 ha	₹ 5.89 crore	Five schemes		

Appendix 2.16
(Reference paragraph 2.2.3.3 Page 47)
Statements showing unfruitful expenditure on construction of MI schemes for want of land

SL No	Name of Division	Name of MI scheme, IP in ha	Year of start of work / expenditure	Observation	Reply of the EE/ Our further remarks
1	WR Division, Seoni	Pipartal tank, 480 ha	February 2008 ₹ 2.58 crore	<p>For successful execution of the project a detailed plan should be prepared defining all the activities including acquisition of land required for execution and time schedule considering time required for various components of work based on specifications and past experiences.</p> <p>We noticed that the Department did not plan and prepare a time schedule for acquisition of forest land required for spill channel of the work. The case for acquisition of land for spill channel of the scheme was not prepared up to March 2011. The process of acquisition of forest land was in progress. As a result, the work which was scheduled to be completed by October 2009, could not be completed up to April 2012. Thus, investment of ₹ 2.58 crore proved idle due to non-acquisition of forest land prior to execution of work.</p>	<p>The spill channel situated in initial reach of the dam was covered by teak wood trees. As acquisition of forest land was under process, spill channel could not be demarked on site. E-in-C further stated (October 2012) that acquisition of private land under process and for forest land was under process at O/o the CCF, Bhopal.</p> <p>The reply is indicative of the fact that no concrete plan was prepared for timely acquisition of forest land causing bottleneck in completion of the work.</p>
2	WR Division, Hiran Jabalpur	Hardua tank, 91 ha	February 2009 ₹ 67.19 lakh	<p>Plan for execution of works should also include plan for arrangement of sufficient funds at appropriate time.</p> <p>The case for acquisition of land for canal was submitted in October 2010, i.e. after award of the work. Thus, delay in acquisition of land contributed to delay in the execution of work as the work was scheduled to be completed by August 2009. Thus, the expenditure of ₹ 67.19 lakh on the work remained unfruitful so far.</p>	<p>No fund was allotted in canal land acquisition case. Further, E-in-C stated (October 2012) that the dam of the scheme has been completed and work of canal was being done on the Government land, therefore canal work is not affected due to land acquisition. The reply is not acceptable as the case for land acquisition of Government land was submitted belatedly in October 2010.</p>
3	WR Division, Dindori	Sarai tank, 151.82 ha	February 2010 ₹ 25.58 lakh	<p>The tenders for canal work were invited by the Department in November 2009. The work was awarded in February 2010. By that time land was not acquired as payment of compensation</p>	<p>The work could not be started due to agitation by the farmers coming under submergence of tank. Further, E-in-C stated (October 2012)</p>

SL No	Name of Division	Name of MI scheme, IP in ha	Year of start of work / expenditure	Observation	Reply of the EE/ Our further remarks
				for acquisition of land was not made to farmers. Subsequently, it was proposed to close the contract of canal work due to agitation of people and delay in payment of compensation for land acquired. The SE, WR Circle Jabalpur granted (November 2011) permission to rescind the contract of canal work. Thus, delay in making payment and not resolving the issue of farmers caused delay in completion of work. As such, the expenditure of ₹ 25.58 lakh incurred on Sarai tank up to January 2012 remained unfruitful due to delay in land acquisition.	that the agency could not start the work due to agitation of local people. This scheme has been proposed to be deleted from AIBP. The reply is not acceptable as the Department should have taken up the work after assurance of availability of land.
4	WR Division Chhindwara	Bheda tank, 640 ha	July 2009 ₹ 4.48 crore	The construction of the work was started in July 2009. Total 80.22 per cent of the work was reportedly completed as of April 2011. Further, first time extension up to April 2011 was recommended on the basis of non-acquisition of land for spill and approach channel. The last notice for rescinding the contract was issued (December 2011) to the contractor when the work was completely stopped, due to non-availability of land. This resulted in idle investment of ₹ 4.48 crore due to delay in acquisition of land.	The E-in-C stated (October 2012) that the work was awarded for completion by October 2010, time extension was granted due to non-availability of compensation for acquisition of land for spill channel and approach channel and award had been passed for acquisition of private land in approach channel and spill channel. It was further stated that action as per provisions of agreement was being taken against the contractor for non-completion of work. The reply confirms the delay in acquisition of the land for spill and approach channel due to non availability of compensation.
5	WR Division Narsingpur	Alod tank, 231 ha	November 2009 ₹ 1.56 crore	The available allotment for the work was utilised for disbursement compensation for land acquired, for canal work whereas the tenders were invited for construction of head works. As a result, the work of head work could not be started up to January 2011 due to non-acquisition of land for head work. The proposal for acquiring the land for headwork was sent to LAO Narsinghpur belatedly in October 2011.	It was due to non-availability of funds in that period. Further, E-in-C stated (October 2012) that the area of scheme has been revised to 500 ha from 231 ha and new agency has been fixed. The reply does not explain the reason for not utilising the fund for head work for which

SL. No	Name of Division	Name of MI scheme, IP in ha	Year of start of work / expenditure	Observation	Reply of the EE/ Our further remarks
				Meanwhile, the contract was proposed to be rescind for ascertaining the feasibility of the scheme again.	tenders were invited.
6	WR Division Katni	Ghunnor tank, 91 ha	January 2009 ₹ 7.24 lakh	The construction work of boundary of dam and spill channel was affected by forest land for which correspondence with the forest authorities was not found on records. Compensation for LA of private land could not be distributed reportedly for want of funds though there were overall savings out of the allotments made for the Department. The proposal to close the contract was sent in April 2010. Thus, the expenditure became unfruitful due to delay in land acquisition.	The CE, Wainganga Basin stated (September 2012) that as per instruction of PS, WRD new feasibility report was sent to higher authorities for approval. The reply is not acceptable as the funds for acquisition of land were not tied up.
7	WR Division Katni	Salhana tank, 83 ha	December 2008 ₹ 34.68 lakh	We noticed that only partial work could be executed due to non-acquisition of private land because of non-payment of compensation as fund for that was not tied up by the Department. The work was still incomplete. This resulted in idle expenditure of ₹ 34.68 lakh.	The CE, Wainganga Basin stated (September 2012) that demand note of ₹ 28.22 lakh of head work was received from LAO but due to lack of fund, work was stopped and then the contract was terminated. Now the feasibility report has been sent to the Government for approval. The reply is not acceptable as the funds for acquisition of land were not tied up.
8	WR Division Katni	Barhi tank, 288 ha	March 2009 ₹ 32.15 lakh	We noticed that the Department did not plan for ensuring availability of sufficient funds for acquisition for said scheme. The LAO Bahoriband sent a demand note of ₹ 103.86 lakh for acquiring 57.77 ha for head work of scheme against which the Department could provide funds of ₹ 15.00 lakh as per allotment available. The proposal for closing the contract was sent (March 2011) due to non-acquisition of land and non-completion of work within proposed period. The Department decided (August 2010) to stop the work of land acquisition. The LAO was intimated to transfer the funds of ₹ 9.00 lakh for LA of other Khalhara MI scheme.	E-in-C stated (October 2012) that this scheme has been re-examined and previously deposited amount for land acquisition would be utilised on other schemes. Work of land acquisition is being completed before start of work. The reply is not acceptable as the work was affected due to non-acquisition of land for which funds were not tied up.

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

SL. No	Name of Division	Name of MI scheme, IP in ha	Year of start of work / expenditure	Observation	Reply of the EE/ Our further remarks
9	WR Division, Hiran Jabalpur	Imlai tank, 98 ha	March 2006 ₹ 1.38 crore	As a result, expenditure of ₹ 32.15 lakh remained unfruitful. Land acquisition for the work was initiated in April 1987. The award for land acquisition for canal work was pending up to July 2009. The EE WRD Hiran requested (October 2010) to SDO (LA and revenue) for getting the compensation for LA of 8.954 ha and 2.15 ha for canal. The SDO (Revenue) intimated (July 2011) that the award has been passed and payment of compensation was under progress. Notice to the contractor was served (August 2011) and final measurements were not taken up to March 2012. An expenditure of ₹ 1.38 crore has been reported to be done up to March 2012. Thus even after lapse of more than five years. Expenditure of ₹ 1.38 crore remained unfruitful due to tardy progress of LA.	EE confirmed the facts and stated that delay on the part of the Division cannot be related with the work. E-in-C further stated (October 2012) that original AA for the project was given in January 1982 under relief work. The Department sanctioned ₹ 98.88 lakh in December 2004. Award for canal work was passed in July 2009. 90 per cent dam work and 50 per cent canal work is complete. The work was targeted to be completed by October 2012. The reply is not acceptable as the work was not executed in planned manner.
10	WR Division, Hiran Jabalpur	Dungargawan tank, 243 ha	March 2010 ₹ 92.19 lakh	The notification under Section-4 for acquisition of land for headwork was published in September 2010 and under Section-6, in February 2011. The Department accorded TS for the work in November 2008. The action of awarding the work without publishing notification for land acquisition was contrary to the provisions of WD Manual. An expenditure of ₹ 92.19 lakhs had been incurred on the work up to February 2012 and only 15 per cent physical progress of head work could be achieved due to partial payment of compensation for head work of scheme. Thus, MI scheme could not be completed after incurring an expenditure of ₹ 92.19 lakh due to delay in acquisition of land.	The AA was accorded on the basis of USR 2003 whereas the TS was accorded on the basis of USR 2007, hence the cost of the project was increased. The agreement with the contractor for construction of project was done in anticipation of funds on 30 March 2010. The delay in the construction of the project was mainly due to unavailability of the funds before 2010-11. Further E-in-C stated that in absence of sufficient provisions, payment to LAO were made on different dates. The award was passed in May 2011. The reply is not convincing as the work was started without ensuring availability of land.
11	WR Division, Seoni	Pathria, 185 ha	May 2007 ₹ 2.19 crore	The work was awarded in May 2007. The proposal for supplementary land of 3.63 ha for submergence area and spill channel was submitted belatedly by the Sub Divisional Officer in May 2009. An expenditure of ₹ 2.19 crore was incurred on the scheme and the MI scheme was reported	E-in-C stated (October 2012) that award for land acquisition was passed in May 2007 for construction of dam and canal. There was a delay in supplementary case for land acquisition for construction of spill channel,

SL. No	Name of Division	Name of MI scheme, IP in ha	Year of start of work / expenditure	Observation	Reply of the EE/ Our further remarks
				complete in the year 2011 against the scheduled completion of the work by November 2008. Thus, the benefits expected from the work was delayed by 40 months.	but the work has been completed. The reply is not acceptable as the timely acquisition of land for spill channel could be done with proper planning and delay in providing of irrigation facility could have been avoided.
12	WR Division Seoni	Saliwara tank, 151.82 ha	July 2008 ₹ 1.22 crore	The notification under Section 6 for acquisition of land for spill channel and main canal was issued in January 2011 after more than two years of issue of work order. As a result, the work was delayed due to delay in acquisition of land and the expenditure of ₹ 1.22 crore lakh remained unfruitful.	Work was delayed due to delay in acquisition of land and process of land acquisition for canal was in progress. E-in-C further stated (October 2012) that award for acquisition of private land under submergence of dam and canal was passed during December 2008 and March 2012. Construction work was delayed due to delay in payment of compensation to cultivators who were demanding compensation at higher rates. The reply is not acceptable as the process of land acquisition should have been completed before award of work.
13	WR Division Katni	Paharua tank, 324 ha	November 2009 ₹ 88.79 lakh	The Department released (March 2010) the funds to LAO after issue of work order which led to obstruction of work of canal due to delay in payment of compensation. The work of flush bar, approach channel and canal could not be initiated up to May 2011. Thus, belated initiation of process for acquisition of land caused slow progress of work. As a result, expenditure of ₹ 88.79 lakh remained unfruitful.	60 per cent canal work was completed and remaining canal work could not be done due to sowing of fields by the cultivators. The work, however was in progress but at slow rate. CE, Wainganga Basin stated (September 2012) that 80 per cent tank and 90 per cent canal work has been completed. The reply does not explain the reason for delayed release of fund to LAO.
	Total	13 schemes, 3057.41 ha	₹ 16.89 crore		

Appendix 2.17
(Reference paragraph 2.2.5.1 Page 48)
Statement showing details of excess expenditure over Administrative Approval

Sl No	Name of Division	Name MI scheme	Amount of AA	Actual Expenditure	Excess over AA	Excess in per cent	Status
1	WR Dn Dindori	Banjartola	121.62	141.75	20.13	16.55	Complete
2	WR Dn Dindori	Udar	131.01	259.53	128.52	98.10	Complete
3	WR Dn Dindori	Bilaikhar	102.59	235.53	132.94	129.58	Complete
4	WR Dn Dindori	Bhaganwara	140.90	296.00	155.10	110.08	Complete
5	WR Dn Dindori	Karonda	130.56	197.83	67.27	51.52	Complete
6	WR Dn Dindori	Dandana	709.12	1640.25	931.13	131.31	Incomplete
7	WR Dn Dindori	Silighati	137.40	225.51	88.11	64.13	Complete
8	WR Dn Dindori	Khargahana	115.72	254.13	138.41	119.61	Complete
9	WR Dn Narsinghpur	Pamhansi	119.46	164.87	45.41	38.01	Complete
10	WR Dn Narsinghpur	Kunda	280.00	318.13	38.13	13.62	Incomplete
11	WR Dn Narsinghpur	Gurra	219.55	244.48	24.93	11.36	Complete
12	WR Dn Narsinghpur	Dungria (Usri)	151.60	170.19	18.59	12.26	Incomplete
13	WR Dn Narsinghpur	Mehgaon	193.23	259.90	66.67	34.50	Complete
14	WR Dn Katni	Deori hattai	222.07	273.01	50.94	22.94	Incomplete
15	WR Dn Katni	Chapna LIS	334.33	449.65	115.32	34.49	Incomplete
16	WR Dn Katni	Shantinagar	383.87	569.45	185.58	48.34	Incomplete
17	WR Dn Katni	Bandarchua	152.41	189.64	37.23	24.43	Incomplete
18	WR Dn I Seoni	Gorakhpur (Ajania)	58.79	215.95	157.16	267.32	Complete
19	WR Dn I Seoni	Khamkhareli	275.46	311.25	35.79	12.99	Complete
20	WR Dn I Seoni	Kandipar	141.54	200.02	58.48	41.32	Complete
21	WR Dn I Seoni	Pathria	163.32	218.86	55.54	34.01	Complete
22	WR Dn I Seoni	Saliwara	151.82	198.54	46.72	30.77	Incomplete
23	WR Dn Hiran Jabalpur	Pitkuhi	63.20	130.45	67.25	106.41	Complete
24	WR Dn Hiran Jabalpur	Marhanatha	55.45	104.80	49.35	89.00	Complete
25	WR Dn Hiran Jabalpur	Bandhi	49.96	163.79	113.83	227.84	Complete
26	WR Dn Hiran Jabalpur	Chirai	127.52	233.14	105.62	82.83	Complete
		Total	4732.50	7666.65	2934.15		

Max	267.32
Min	11.36

Besides above excess expenditure over AA was incurred to the tune of ₹ 1.06 crore on Shahgarh LIS.

Appendix 2.18
(Reference paragraph 2.2.5.2 Page 50)

Statement showing details of schemes in respect of which performance security were not obtained from the contractors
(₹ in lakh)

Sl No	Name of Division	Agt. No.	Name of Scheme	Contract Value	EMD in ₹	PSD
1	WRD Dn Chhindwara	05/08-09	Bagla Tank	323.23	308000	13.08
2	WRD Dn Chhindwara	13/08-09	Pindraisaraf Tank	259.23	248400	10.48
3	WRD Dn Chhindwara	02/08-09	Futera Tank	104.81	102000	4.22
4	WRD Dn Chhindwara	01/09-10	Bheda Tank (head work)	539.08	526000	21.69
5	WRD Dn Chhindwara	01/10-11	Bischwasni Tank	424.25	490000	16.31
6	WRD Dn Chhindwara	02/10-11	Khamibadela Tank	454.53	519000	17.54
7	WRD Dn Chhindwara	02/11-12	Bheda Tank (canal)	219.58	305000	7.93
8	WRD Dn Narsinghpur	01/07-08	Swamisagar Tank	151.6	148000	6.10
9	WRD Dn Narsinghpur	11/08-09	Dungaria Tank	132.53	130000	5.33
10	WRD Dn Narsinghpur	15/08-09	Bamhani Tank	148.58	147000	5.96
11	WRD Dn Narsinghpur	19/08-09	Mehgaon Tank	145.67	140000	5.88
12	WRD Dn Narsinghpur	03/09-10	Dungaria Usri Tank	183.08	158000	7.57
13	WRD Dn Narsinghpur	04/09-10	Alod Tank	223.96	193000	9.27
14	WRD Dn Narsinghpur	03/08-09	Gadria Tank	114.96	111000	4.64
15	WRD Dn Narsinghpur	10/08-09	Curra Tank	139.05	135000	5.60
16	WRD Dn Dindori	02/07-08	Dandana tank H/W	498.79	381000	21.13
17	WRD Dn Dindori	07/09-10	Bhaganwara Tank	146.47	161300	5.71
18	WRD Dn Dindori	15/09-10	Devalpur Tank	82.93	118000	2.97
19	WRD Dn Dindori	01/10-11	Khargahana Tank	143.5	188100	5.29
20	WRD Dn Dindori	14/09-10	Keolari Tank	117.21	162000	4.24

Sl No	Name of Division	Agt. No.	Name of Scheme	Contract Value	EMD in ₹	PSD
21	WRD Dn Dindori	04/08-09	Udar Tank	144.82	158700	5.65
22	WRD Dn Dindori	06/09-10	Sarai Tank	122.52	136300	4.76
23	WRD Dn Dindori	13/09-10	Barga Tank	86.52	120000	3.13
24	WRD Dn Dindori	05/08-09	Rachho Tank	149.61	137000	6.11
25	WRD Dn Dindori	03/10-11	Dandana tank canal	301.55	448000	10.60
26	WRD Dn Dindori	02/10-11	Silighati Tank	154.03	195300	5.75
27	WRD Dn Dindori	03/08-09	Bilaikhar Tank	120.04	116800	4.83
28	WRD Dn Katni	19/08-09	Jamunchua Tank	172.16	174060	6.87
29	WRD Dn Katni	09/08-09	Magetahata Tank	252.33	215130	10.47
30	WRD Dn Katni	06/08-09	Bhainsawahi Tank	88.38	84260	3.58
31	WRD Dn Katni	24/09-10	Barhi Tank	209.03	222610	8.23
32	WRD Dn Katni	17/08-09	Salhana Tank	85.45	82090	3.45
33	WRD Dn Katni	02/09-10	Gaura Tank	86.43	79460	3.53
34	WRD Dn Katni	22/08-09	Chhahar Tank	89.66	87540	3.61
35	WRD Dn Katni	23/08-09	Ghunnaur Tank	85.61	85940	3.42
36	WRD Dn Seoni	03/07-08	Patharia Tank	134.5	108000	5.65
37	WRD Dn Seoni	01/07-08	Gorakhpur Tank	144.36	119200	6.03
38	WRD Dn Seoni	17/07-08	Pipartal Tank	430.66	419000	17.34
39	WRD Dn Seoni	16/07-08	Baigapiparia Tank	130.87	127000	5.27
40	WRD Dn Seoni	05/08-09	Saliwara Tank	169.56	181000	6.67
41	WRD Dn Seoni	06/08-09	Katoli Tank	186.25	173000	7.58
42	WRD Dn Seoni	07/08-09	Bothiya Tank	292.76	256000	12.08
43	WRD Dn Seoni	08/08-09	Dalalnalla Tank	294.33	257000	12.15
44	WRD Dn Seoni	04/06-07	Khamkhareli Tank	232.23	187000	9.74

Sl No	Name of Division	Agt. No.	Name of Scheme	Contract Value	EMD in ₹	PSD
45	WRD Dn Hiran Jabalpur	03/08-09	Siluwa Tank	85.98	91500	3.38
46	WRD Dn Hiran Jabalpur	04/08-09	Mathapatha Tank	71.64	72000	2.86
47	WRD Dn Hiran Jabalpur	03/09-10	Dungargawa Tank	214.5	237000	8.36
48	WRD Dn Hiran Jabalpur	01/08-09	Deharikala Tank	62.61	63000	2.50
49	WRD Dn Hiran Jabalpur	12/08-09	Piparia Tank	106.65	107000	4.26
50	WRD Dn Hiran Jabalpur	09/08-09	Hardua Tank	71.72	72000	2.87
	Total					371.67

Appendix 2.19
(Reference paragraph 2.2.5.3 Page 51)
Statement showing details of non recovery of additional security deposits for unbalanced items

Sl No	Name of Division	Agreement No	Name of work	Items of work	Amount of additional security deposit in lakh ₹
1	WRD Dn Chhindwara	13/2008-09	Pindrai Saraf Tank	14	13.79
2	WRD Dn Chhindwara	14/2008-09	Bagdari Tank	8	34.51
3	WRD Dn Dindori	02/2007-08	Dandana Nalla Tank	7	101.66
4	WRD Dn Katni	20/2009-10	Paharua Tank	6	12.52
5	WRD Dn Narsinghpur	03/2009-10	Dungria (Usri)	8	19.06
6	WRD Dn Narsinghpur	10/2008-09	Gurra Tank	10	14.74
7	WRD Dn Narsinghpur	11/2008-09	Dungria Tank	7	10.50
8	WRD Dn Narsinghpur	19/2008-09	Mehgaon Tank	6	17.49
9	WRD Dn Seoni	03/2007-08	Pathria Tank	5	11.81
10	WRD Dn Seoni	05/2006-07	Kandipaar Tank	7	21.17
11	WRD Dn Seoni	05/2008-09	Saliwara Tank	4	31.34
12	WRD Dn Seoni	16/2007-08	Baigapiparia Tank	7	34.31
13	WRD Dn Seoni	17/2007-08	Pipartal Tank	6	63.95
	Total			95	386.84

(Say ₹ 3.87 crore)

Appendix 2.20
(Reference paragraph 2.2.6.3 Page 62)
Statement showing details of sampling for compressive strength tests of structure of MI schemes

Sl No	Name of division	Name MI scheme	Agreement No	Quantity of CC	Type of CC	Required samples ¹ (Number) 50}/50+4	Tests done (Number)	Short samples (Number)	Amount (in ₹)
1	2	3	4	5	6	7	8	9	10
1	WR Dn Narsinghpur	Mehgaon tank	19/2008-09	2302.75	CC 1:3:6, CC 1:4:8	49	14	35	4238714
2	WR Dn Narsinghpur	Dungaria (Gotegaon) tank	11/2008-09	1192.662	CC 1:3:6, CC 1:4:8	26	15	11	1866983
3	WR Dn Narsinghpur	Gurra tank	10/2008-09	1366.94	CC 1:3:6, CC 1:4:8	30	22	8	2133592
4	WR Dn Katni	Jujhari tank	21/2008-09	247.79	CC 1:3:6, CC 1:2:4	8	0	8	617451
5	WR Dn Katni	Gureha Pipra	48/2007-08	90.79	CC 1:3:6, CC 1:2:4	5	0	5	181580
6	WR Dn Katni	Gurahaband tank and deori regulator	05/2010-11	1028.528	CC 1:3:6, CC 1:2:4	24	0	24	4196061
7	WR Dn Katni	Jamunchua tank	19/2008-09	289.985	CC 1:3:6, CC 1:2:4	9	0	9	679186
8	WR Dn Katni	Chhahar tank	22/2008-09	587.805	CC 1:3:6, CC 1:2:4	15	0	15	1355945
9	WR Dn Katni	Megarehata tank	19/2009-10	345.594	CC 1:3:6	10	0	10	829426
		Total		8819.784		176	51	125	16098938
		Total for Katni				71	0		7859649

¹ Four samples plus one additional sample for each additional 50 cu m or part thereof when quantity of cement concrete is equal to or above 51 cu m

Appendix 2.21

(Reference paragraph 2.3.4.2 (ii) Page 69)

Statement showing delay in award of original work

Sl. No.	Name of work	NIT date	Stipulated date for acceptance of tender (Four Months from the date of tender) as per Manual	Tender accepted by NVDA	Delay in acceptance of tender	Work order date Stipulated date for completion of work	Delay in issue of work order
	Canal Division No. 1, Kareli						
1.	Construction of LBC 130.67 to 135.50 km, Dungariya (0 to 5 km) and Renuka Distributary	13.4.06	12.08.06	7.3.07	07 months	<u>7.3.08</u> 6.12.09	11 months
2.	Sadumar Branch canal 0 to 4.50 km, Dungariya Distributary 5 to 23 km	7.10.05	06.02.06	19.7.06	05 months	<u>1.11.06</u> 31.07.08	03 months
3.	Sadumar Branch canal 4.50 to 9 km, Amoda Distributary 0 to 23 km	13.4.06	12.08.06	7.3.07	07 months	<u>7.3.08</u> 6.12.09	11 months
4.	Sadumar Branch canal 9 to 21 km	1.8.06	30.11.06	26.4.07	08 months	<u>10.3.08</u> 9.12.09	10 months

Delay in award of balance work

Sl. No.	Name of work	Rescind Date of original work	G schedule for bal. work sent to CE by EE for approval	Delay in sending of NIT (in month)	NIT sent to NVDA for approval by CE	Date of approval of NIT by NVDA	Delay (in month)	Date of NIT for balance work	Tender accepted /rejected by NVDA	Delay (in month)	Delay in finalising of tender for balance work after rescind date
Canal Division No. 1, Kareli											
5.	Balance work of LBMC 130.67 to 135.50 km Dungariya (0 to m 5km) and Renuka Distributary	10.9.10	----	----	27.11.09	16.11.10	12	9.2.11	28.12.11	07	19 months
6.	Balance work of Sadumar Branch canal 0 to 4.50 km, Dungariya Distributary 5 to 23 km	29.7.09	----	----	27.11.09	31.7.10	08	19.4.11	25.9.12	13	38 months
7.	Balance work of Sadumar Branch canal 4.50 to 9 km, Amoda Distributary 0 to 23 km	26.11.09	----	----	27.11.09	31.7.10	8	2.8.11	14.09.12 Rejected	09	34 months
8.	Balance work of Sadumar Branch	28.10.10	----	----	27.11.09	31.7.10	8	10.12.10	28.12.11	08	14 months

Canal Division No. 1, Jabalpur											
9.	Balance work of Belkhedi Distributory 0 to 34 km with its distribution system	22.12.08	25.10.10	22	----	13.1.11	Nil	13.4.11	23.02.12	05	38 months
10.	Balance work of Pipariya sub-Distributory	22.12.08	25.10.10	22	----	13.1.11	Nil	23.02.12	17.10.12	04	46 months
Disnet Division, Narsinghpur											
11.	Balance work of LBC from 126.19 to 130.67 with its distribution system	26.03.10	16.12.10	8	24.10.11	Not approved as on 31.03.12	5	Tender not invited	---	---	24 months
Canal Division No. 1, Gotegaon											
12.	Balance between 66 to 84 of LBC with its minors	02.09.08	3.9.11	36	Pending at CE level as on 31.03.12	----	----	Tender not invited	----	----	36 months

Appendix 2.22

(Reference paragraph 2.3.4.2 (iii) Page 70)

Statement showing delay in completion of canal network due to contractors left the work incomplete

(₹ in lakh)

Sl. No.	Name of work	Designed IP (in hectare)	Contract amount	Work order date / Stipulated date	Rescind date	Value of work done	Cost of left over work	Delay up to March 2012
1	Construction of LBC 130.67 to 135.50 km, Dugariya Distributary 0 to 5 km and Renuka Distributary 0 to 14.35 km	34223	1946.74	<u>7.3.08</u> 6.12.09	10.9.10	1170.54	776.20	2 year three months
2	Sadumar Branch Canal 0 to 4.50 km and Dugariya Distributary 5 to 23.50 km.		1745.86	<u>1.11.06</u> 31.7.08	29.7.09	1357.74	388.12	3.5 years
3	Sadumar Branch Canal 4.50 to 9 km and Amoda Distributary 0 to 23 km.		2344.03	<u>7.3.08</u> 6.12.09	26.11.09	1037.74	1306.29	2 year three months
4	Sadumar Branch Canal 9 to 21 km		2211.98	<u>10.3.08</u> 9.12.09	28.10.10	384.45	1827.43	2 year three months
5	Belkhedi Distributary 0 to 34 km	5171	1472.95	<u>17.4.03</u> 16.1.05	22.12.08	1213.85	259.10	07 years
6	Pipariya sub-Distributary 0 to 12.10 km and Belkhedi sub-minor 0 to 15 km	7941	1596.99	<u>26.7.03</u> 25.4.05	22.12.08	1090.89	506.10	07 years
7	LBC 126.19 to 130.67 km with its Distributary	2986	1540.50	<u>19.8.04</u> 18.5.06	26.3.10	1292.26	248.24	5.5 years
8	Nagna Distributary	-	787.14	<u>19.9.03</u> 18.10.04	13.6.07	Work completed in June 2011.		6.5 years
		50321	13646.09			7547.47	5311.48	

Appendix 2.23

(Reference paragraph 2.3.4.2 (iv) Page 70)

Statement showing canal works not completed in schedule period

Sl. No.	Name of the Main/Branch Canal	Scheduled date of completion	Actual date of completion	Delayed period	Total Created Irrigation (in hectare)	Reasons for delay
1.	Bhadguwan Branch and its distributories (Gundrai, Magardha, Bamhni, Machwara) and its minors	3-12-2004	31-05-2008	3.5 years	18937	Delay in acquiring land, shifting of electric lines and excess quantities
2.	Shahpura distributor	09.06.04	30.06.10	6 years	3750	Original work was foreclosed due to LA and balance work was completed in 30.06.10
3.	Construction of LBC & its distribution system km 111 to km 117.177	09.05.06	15.05.07	1 year	2273.075	Delay in acquiring land and excess quantities
4.	Construction of LBC & its distribution system km 119.500 to km 126.190	23.05.06	31.01.08	1.5 year	2206.15	Delay in acquiring land, excess quantities and delay in issuing of working design
5.	Construction of main Canal km 117.175 to km 119.500	13.12.08	15.03.09	04 months	Main canal only	Delay due to clearance of forest land and increase of excess quantities
6.	Seoni Distributary and network	13.10.04	31-05-2006	1.5 years	3543.65	Delay in LA & handing over drawing of structure
7.	Kandeli Distributary and its network	03.12.04	31-03-2008	3.5 years	11614.08	Delay in acquiring land, shifting of electric lines and excess quantities
8.	Construction of earth work in 14 km length 12 no. structure form km 97.00 to km 111.00 km	16.7.04	30.03.07	2 year 09 month	Main canal only	Delay in award of land, shifting of electric lines
9.	Construction of main canal km 126.19 to km 130.67 and its distribution system	18.05.06	31.3.08	2 years	2986.00	Work was rescinded in March 2010 but delay due to LA, shifting of electric line was up to 31.03.08
10.	Balance work Nagna sub distributories system	13.05.10	10.06.11	1 year	---	Non-availability of site
				Total	45309.925	

Appendix 2.24
(Reference paragraph 2.3.6.2 Page 76)
Statement showing excess payment due to inflated measurement
Construction of LBC from km 126.19 to km 130.67 Agreement no. -1/04-05 (Amount in ₹)

Sl.No.	Item no.	Item	Unit	Quantity in penultimate bill	Qty. in incomplete final bill	Excess paid Qty.	Rate	Excess payment
1	1	Excavation of soil	cu m	549728.09	407564.404	142163.68	19.00	2701109
2	7	Providing & placing Cohesive Non Soiling (CNS) material	cu m	112080.04	97002.668	15077.37	93.00	1402195
3	8	Providing & placing filter material	cu m	4949.83	4835.198	114.63	270.00	30950
4	11	Cement Concrete (CC) M-10 40 mm metal	cu m	17051.80	16866.705	185.10	1685.00	311894
5	13	Providing & Laying Low Density Poly Ethylene (LDPE) film	cu m	103806.33	95225.784	8580.55	10.00	85805
6	14	RCC M-15 20 mm metal	cu m	79.151	70.424	8.73	2105.00	18377
7	16	Providing & Laying CC 20 mm metal	cu m	52.43	50.941	1.49	2310	3442
8	18	Providing and fixing Steel bars	MT	337.596	334.0424	3.55	25125	89194
9	20	Providing and fixing PVC pipe 150 mm dia	RM	7367.73	7066.865	300.87	165	49643
10	21	Providing and fixing contraction joint	m	52210.15	51154.15	1056	14	14784
11	23	Providing and fixing PVC water joints 225 mm wide	m	285.062	257.65	27.41	567	15541
12	26	Providing and fixing AC Pipe 100 mm dia	m	184.32	160.75	23.57	92	2168
13	32	Providing & Laying moorum	cu m	34669.680	32303.039	2366.62	89	210629
14	33(a)	Providing and fixing hume pipe 600 mm	RM	547.500	434.5	113.00	900	101700
15	33(c)	Providing and fixing hume pipe 1000 mm	RM	107.500	100	7.50	1155	8663
						Total		5046094

Construction of Sadumar Branch Canal from km 0.0 to km 4.5					Agreement no. 01/06-07		
1	7	Providing & Placing CNS material	cu m	197282.49	187776.26	9506.23	122
2	32	Filling foundation	cu m	2600.827	2106.228	494.599	28
						Total	1173609
						Grant Total	6219703

Appendix 2.25
(Reference paragraph 2.3.6.3 Page 76)
Statement showing avoidable payment of escalation beyond stipulated period

Sl. No.	Name of unit	Agreement No.	Name of work	Work order/ stipulated period	Month of Land acquisition	Escalation paid up to	Delay (in month)	Escalation paid beyond stipulated period (₹ in lakh)	Reasons for delay
1.	Disnet Dn. Narsinghpur	14/02-03	Bhadgawan Branch Canal including its minors/sub-minors	<u>04.03.03</u> 03.12.04	June-2006	31.5.08	39	372.15	Land acquisition, shifting of electric poles, Excess quantity
2.	Disnet Dn. Narsinghpur	03/04-05	LBC 126.19 to 130.67 including its minors/sub-minors	<u>19.08.04</u> 18.05.06	December -2006	31.3.08	27	75.53	Land acquisition, shifting of electric poles
3.	Canal Dn. No. 2 Jabalpur	13/02-03	Shahpura distributary including its minors/sub-minors	<u>10.09.02</u> 09.06.04	March-2005	30.6.05	30	33.27	Land acquisition
								480.95	

Appendix 2.26

(Reference paragraph 2.3.6.4 Page 78)

Statement showing avoidable loss to Government due to non-invoking of risk and cost clause

Sl. No.	Agt. No.	Name of work	Date of award		Amount of original contract	Final bill paid for the incomplete work	Amount of the balance work	Amount put to tender for execution of balance work	Amount increased due to extra quantities	Extra cost/loss to Govt.	Amount of SD/PSD available at time of rescission	Amount of SD/PSD forfeited by the division	Unadjusted Amount of SD/PSD
				Rescind date									
1.	01/07-08	Construction of LBC 130.67 to 135.50 km, Dungariya Distributary 0 to 5 km, Renuka Distributary 0 to 14.35 km.	7.3.08	10.9.10	1946.74	1170.53	776.21	1406.37	460.17	170.00	189.50	115.74	73.76
2.	01/06-07	Sadumar Branch Canal 0 to 4.50 km, Dungariya Distributary 5 to 23 km	1.11.06	29.7.09	1745.86	1357.74	388.12	1233.44	-	845.32	162.78	Nil	162.78
3.	02/07-08	Sadumar Branch canal 4.50 to 9 km, Amoda Distributary 0 to 23 km	7.3.08	26.11.09	2344.03	1037.73	1306.3	2294.29	-	987.99	178.13	Nil	178.13
4.	03/07-08	Sadumar Branch Canal 9 to 21 km	10.3.08	28.10.10	2211.88	384.44	1827.44	3529.98	-	1702.54	201.92	95.92	106.00
			Total							3705.85	732.33	211.66	520.67

Appendix 2.27
(Reference paragraph 2.3.6.4 Page 79)
Statement showing the excess payment due to non-retention of additional security deposit for unbalanced items

Agreement no. 1/07-08 (Rescind work)									
Over all Tender per cent 1.96 per cent above ¹									
Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated (Est.) rate	Est. rate + or - tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	1	Excavation of soil	422527.137	cu m	30	19.46	19.84	10.16	4292876
2	2	Earth work	532476.757	cu m	35	22.21	22.65	12.35	6576088
3	12	P/P 1:3:6 40 mm in situ lining	17113.498	cu m	2200	1729.73	1763.63	436.37	7467817
4	17	P/P 1:3:6 40 mm in foundation	7995.00	cu m	2300	1208.79	1232.48	1067.52	8534822
5	21	P/F steel bars	114953.61	Kg.	32	25.56	26.06	5.94	682824
6	31	P/F hume pipe 600 mm dia	60.00	RM	1000	853.40	870.13	129.87	7792
7	33	P/L sand layer	281.11	cu m	80	59.67	60.84	19.16	5386
					A		Total		27567605

2. Belkhedi Distributories Km 0 to km 34

Agreement no. 1/03-04 (Rescind work)									
Over all Tender per cent 5.897 per cent above									
Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate + or - tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	4	P/P CNS material	278265.64	cu m	200.00	126.25	133.69	66.31	18451795
2	17	PCC 1:5:8	154.683	cu m	1300.00	847.4	897.00	403.00	62337
					B		Total		18514132

¹ Rates were quoted item wise by the contractor. The overall percentage (above or below) of the total quoted cost to the total estimated cost was applied uniformly to individual items of the work to arrive of the current price of individual items.

3. Pipariya sub distributories

Agreement no. 2/03-04 (Rescind work)

Over all Tender *per cent* 8.212 *per cent* above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	4	P/P CNS material	172898.53	cu m	180.00	113.74	123.08	56.92	9841384
2	7(b)	RCC 1:2:4	163.661	cu m	1800.00	1552.61	1680.00	120.00	19639
3	9	P/P LDPE film	325262.6	sq m	18.00	12.40	13.42	4.58	1489703
					C		Total		11350726

4. System correction work of Patan Branch canal, Belkhedi and Kunwarpur Distributories

Agreement no. 4/09-10 (Rescind work)

Over all Tender *per cent* 4.679 *per cent* above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	2	P/P 1:3:6 40 mm	179.172	cu m	3200.00	2097.70	2195.85	1004.15	179916
2	3	P/P 1:3:6 20 mm	217.144	cu m	3200.00	2435.89	2549.87	650.13	141172
3	4	Labour for hume pipe 150 mm	1011.5	RM	70	56.98	59.65	10.35	10469
4	6	Collection spreading moorum	43814.92	cu m	220.00	189.83	198.71	21.29	932820
					D		Total		1264377

5. System correction work of PSB canal, Khajuri & Mohantara Distry, and Hasua sub distributary

Agreement no. 3/09-10 (Rescind work)

Over all Tender *per cent* 4.41 *per cent* above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	2	P/P 1:3:6 40 mm	688.874	cu m	3500.00	2097.70	2190.20	1309.80	902287
2	3	P/P 1:3:6 20 mm	899.799	cu m	3500.00	2435.89	2543.31	956.69	860829
3	4	Labour for hume pipe 150 mm	3260	RM	70	56.98	59.49	10.51	34263
4	6	Collection spreading moorum	53194.74	cu m	230.00	189.83	198.20	31.80	1691593
					E		Total		3488972

6. Construction of of CC lining & structures from RD 4.50 to 9.00 km of Sadumar branch canal and RD 00 to 23.56 km Amoda distributary

Agreement no. 2/07-08 (Rescind work)									
Over all Tender per cent 7.56 per cent above									
Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	1	Excavation of soil	462729.581	cu m	26.50	18.59	20.00	6.50	3007742
2	2	Earth work	867139.125	cu m	30.50	21.58	23.21	7.29	6321444
3	12	P/P CC M-10 40 mm metal	7188.787	cu m	2000.00	1655.17	1780.30	219.70	1579377
4	17	P/P CC 1:3:6 40 mm metal	8106.942	cu m	2100.00	1199.63	1290.32	809.68	6564029
5	21	P/F cold work steel	61514.130	kg	32.00	25.08	26.98	5.02	308801
6	29	P/L RCC 1:2:4 20 mm metal	16.240	cu m	2400.00	1779.28	1913.79	486.21	7896
					F		Total		17789289

7. Construction of LBMC from 126.190 to km 130.670 and its distribution system

Agreement no. 01/04-05 (Rescind work)									
Over all Tender per cent 0.99 per cent below									
Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Amount in ₹
1	2	3	4	5	6	7	8	9	10
1	2	Excavation in DR/SR	7696.92	cu m	63	62.85	62.22	0.78	6004
2	4	Earth work	495932.8	cu m	32	19.64	19.45	12.55	6223957
3	18	P/F cold worked steel	334.0424	MT	25125	25124.29	24875.55	249.45	83327
4	28	Painting vertical faces	8830.456	sq m	14	13.60	13.47	0.53	4680
5	33(a)	P/F hume pipe 600 mm	434.50	RM	900	744.89	737.52	162.48	70598
6	33(b)	P/F hume pipe 150 mm	150.00	RM	740	177.04	175.29	564.71	84707
					G		Total		6473273

8. Balance work of Shahpura Distributary km 6.40 to km 11.48

Agreement no. 1/07-08 (Completed work)

Over all Tender per cent 38.39 per cent above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Excess payment
1	2	3	4	5	6	7	8	9	10
1	1	Excavation of soil	37148.35	cu m	35	17.7	24.50	10.50	390058
2	2	Earth work	10566	cu m	40	20.9	28.92	11.08	117071
3	6	Labour for LDPE film	21699	sq m	8	2.3	3.18	4.82	104589
4	15	P/P RCC 1:5:8	44.362	cu m	1950	953.26	1319.22	630.78	27983
5	16	Precast slab	7817.70	cu m	116	65.46	90.59	25.41	198648
6	17 (a)	P/P hume pipe 600 mm	44	RM	1500	120.63	166.94	133.06	58655
7	17(b)	P/P hume pipe 900 mm	7.50	RM	1600	204.98	283.67	1316.33	9872
8	17 (c)	P/P hume pipe 1200 mm	22	RM	1600	321.25	444.58	1155.42	25419
9	22	Fabrication of gate	0.16	sq m	60000	38644.44	53480.04	6519.96	1043
					H		Total		933338

Amount in ₹

9. Balance work of Shahpura Distributary km 22.00 to km 24.20

Agreement no. 2/07-08(Completed work)

Over all Tender per cent 38.83 per cent above

Amount in ₹

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Excess payment
1	2	3	4	5	6	7	8	9	10
1	1	Excavation of soil	7412.66	cu m	35	17.7	24.57	10.43	77314
2	2	Earth work	20471.57	cu m	40	20.9	29.02	10.98	224778
3	5	Labour for LDPE film	14893.5	cu m	9	2.3	3.19	5.81	86531
4	6(a)	P/P 1:3:6 40 mm	344.674	cu m	2600	1126.4	1563.78	1036.22	357158
5	6(b)	P/P 1:3:6 20 mm	262.02	cu m	2700	1788.04	2482.34	217.66	57031
6	15	Precast slab	6851.833	cu m	300	185.23	257.15	42.85	293601
7	16 (a)	P/P hume pipe 600 mm	55	RM	1500	120.63	167.47	1332.53	73289
8	16(b)	P/P hume pipe 1000 mm	16.5	RM	1600	204.98	284.57	1315.43	21705
9	16(c)	P/P hume pipe 1200 mm	7.5	RM	1700	321.25	445.99	1254.01	9405
					I		Total		1200812

10. Balance work of Shahpura Distributary km 11.48 to km 22.00

Agreement no. 3 /07-08(Completed work)

Over all Tender per cent 38.79 per cent above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Excess payment
1	2	3	4	5	6	7	8	9	10
1	1	Excavation of soil	42980.47	cu m	32	17.7	24.57	7.43	319345
2	2	Earth work	9691	cu m	35	20.9	29.01	5.99	58049
3	5	Labour for LDEP film	16378.44	sq m	11	2.3	3.19	7.81	127916
4	6(a)	P/P 1:3:6 40 mm	660.05	cu m	1950	1126.4	1563.33	386.67	255222
5	12	P/P 1:5:8	46.577	cu m	1875	953.26	1323.03	551.97	25709
6	13(a)	Precast slab	6558.4	cu m	285	185.23	257.08	27.92	183111
7	14 (a)	Labour for hume pipe 600 mm	230	RM	1700	120.63	167.42	1532.58	352493
8	14(b)	Labour for hume pipe 900 mm	5	RM	1950	204.98	284.49	1665.51	8328
9	14(c)	Labour for hume pipe 1000 mm	15	RM	2150	321.25	445.86	1704.14	25562
10	17	Fabrication of gate	0.72	sq m	70000	38644.44	53634.62	16365.38	11783
					J		Total		1367518

11. Balance work of Shahpura Distributary km 00 to km 6.40

Agreement no. 4/ 07-08 (Completed work)

Over all Tender per cent 4.07 per cent above

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Excess payment
1	2	3	4	5	6	7	8	9	10
1	1	Exc. of soil	28142.46	cu m	29.80	23.00	23.94	5.86	164915
2	3	Exc. of S/R	2532.2	cu m	550	112.13	116.69	433.31	1097228
3	8(a)	P/P 1:3:6 40 mm	584.36	cu m	2500	2145.05	2232.35	267.65	156404
4	17	Precast slab	1900.00	cu m	115.30	98.58	102.59	12.71	24149
					K		Total		1442696

12. Nagna Distributary

Agreement no. 01/09-10(Completed work)

Over all Tender per cent 119.80 per cent above

Amount in ₹

Sl. No.	Item no.	Item	Executed quantity	Unit	Paid rate	Estimated rate	Est. rate +or- tender %	Difference (6-8)	Excess payment
1	2	3	4	5	6	7	8	9	10
1	2	P/P CNS material	35321.915	cu m	320.00	133.42	293.26	26.74	944508
2	8	P/P 1:3:6 20 mm	1082	cu m	2800.00	1168.13	2567.55	232.45	251511
3	9	P/P 1:3:6 40 mm	5369.541	cu m	2930.0	1152.31	2532.78	397.22	2132889
4	19	P/F cold steel work	10654.00	kg	80.00	20.8	45.72	34.28	365219
Total									3694127
Grand Total (A to L)									95086865

Incomplete work (A to G) ₹ 86448377

Completed work (H to L) ₹ 8638491

Grand total ₹ 95086865

Appendix 2.28

(Reference paragraph 2.3.6.4 Page 79)

Statement showing loss due to non-recovery of liquidated damages for delay

Group	Agt. No.	Contractor	Estimated cost	WO No./Date	Stipulated period/ date for completion	Value of work done up to stipulated date	Rescind date	Delay	Loss due to non-recovery of penalty for delay (one per cent per day not exceeded eight per cent of estimated cost)
1.	1/07-08	M/s. G. Venkata reddy, Hyderabad	1909	319/7.3.08	21 months/6.12.09	1139.97 (59 per cent)	10.9.10	9 months	152.72
2.	1/06-07	SV/EC Construction, Hyderabad	1659	1686/1/11.06	21 months/31.7.08	1250.66 (72 per cent)	29.7.09	12 months	132.72
4.	3/07-08	M/s GSC Construction, Kanpur	2208	324/10.3.08	21 months/9.12.09	284.34 (13 per cent)	28.10.10	11 months	176.64
								Total	462.08

Appendix 3.1
(Reference paragraph 3.6 and 3.7 Page 89)
Statement showing project wise details for projected utilisation of Narmada water as per Vision 2020

Sl no	Name of Project	No. of dams	Area in lakh ha	Projected use of water in MCM	Date of Environment clearance	Status of Project/ Projects
(A) Projects with environment clearance						
1	Tawa	1	2.469	2386.72	Already completed projects by WRD	Completed
2	Barna	1	0.548	559.82		Completed
3	Kolar	1	0.451	435.9		Completed
4	Sukta	1	0.166	170.57		Completed
5	Matiyari	1	0.101	88.38		Completed
6	RABLS	1	1.57	1681	24-07-1990	Ongoing
7	Bargi Diversion Project	0	2.45	2510.6	12-05-1993	Ongoing
8	Indira Sagar Project	1	1.23	1625.26	24-06-1987	Ongoing
9	Omkareshwar	1	1.47	1300	13-10-1993	Ongoing
10	Man Project	1	0.15	140.1	02-01-1984	Completed
11	Jobat Project	1	0.098	112.145	01-07-1986	Completed
12	Upper beda	1	0.099	101.09	16-07-2007	Ongoing
13	Punasa LIS	0	0.35	130.2	16-07-2007	Ongoing
14	Lower Goi	1	0.137	136.65	17-01-2008	Ongoing
15	Upper Narmda	1	0.185	178.93	10-09-2009	Under Process
16	Halon	1	0.130	134.000	04-01-2010	Under Process
	Sub total (A):			11691.365 MCM/ 9.48 MAF		
(B) Projects for which environment clearance is under process						
17	Sher, Sakkar and Machraha	3	0.648	486.600	Environment clearance of seven projects are under process	Under Survey
18	Dudhi	1	0.500	317.460		Under Survey
19	Morand Gunjal	2	0.580	427.650		Under Survey
20	Upper Burner	1	0.890	82.720		Under Review
21	Ataria	1	0.020	112.000		Under Review

Sl no	Name of Project	No. of dams	Area in lakh ha	Projected use of water in MCM	Date of Environment clearance	Status of Project/ Projects
22	Chinki	1	0.739	458.600		Under Review
23	Raghopur, Rosra and Basania	3	0.100	46.200		Under Review
	Sub total (B)			1931.230MCM/ 1.57 MAF		
	Total for major projects	26		13622.595MCM/ 11.05 MAF		
24	Additional water uses through major projects			119.000		
25	MMR already constructed		2.000	500.000		
26	MMR handia to Gujrat		2.900	1348.500		
27	MMR Amarkantank to Handia		7.100	3301.500		
28	Pumping		1.211	1769.195		
29	Domestic and industrial Use			1850.220		
	Sub total			8888.415 MCM/ 7.21 MAF		
	Grand Total ¹			22511.010 MCM/ 18.25 MAF		
						1233.48 MCM= 1 MAF

¹ 23 major projects having 26 dams on Narmada and its tributaries (for utilisation of 11.36 MAF) consisting of three complexes of eight dams (1. Sher, Marchrewa and Sakkar (SMS), 2. Raghopur, Rosra and Basania (RRB), 3. Morand and Ganjal) and four projects having two dams (Bargi dam for Rani Avantti Bai Lodhi Sagar (RABLS) and Bargi Diversion Project (BDP) projects and Indira Sagar Project (ISP) dam for ISP canal and Punasa LJS projects) as per Vision 2012 document of NVDA.

Appendix 3.2
(Reference paragraph 3.7 Page 90)
Statement showing details of major projects to be constructed in Narmada Basin as per reverse calendar 2007

Sl no	Name of Project	No. of dams	Area in lakh ha	Projected use of water in MCM	Status of Project/ Projects
(A) Completed projects					
1	Tawa	1	2.469	2386.72	Completed by WRD
2	Barna	1	0.548	559.82	
3	Kolar	1	0.451	435.9	
4	Sukta	1	0.166	170.57	
5	Matiyari	1	0.101	88.38	
Sub total			3.735	3641.39 (2.952 MAF)	
(B) Projects under construction					
6	RABLS	1	1.57	1008	Ongoing
7	Bargi Diversion Project	0	2.45	1008.10	Ongoing
8	Indira Sagar Project	1	1.23	1674	Ongoing
9	Omkareshwar	1	1.47	1300	Ongoing
10	Man Project	1	0.15	140.1	Completed
11	Jobat Project	1	0.098	112	Completed
12	Upper beda	1	0.099	90	Ongoing
Sub Total			7.067	6177.10 (5.007 MAF)	
(C) Proposed projects					
13	Punasa LIS	0	0.35	105	Ongoing
14	Lower Goi	1	0.137	133	Ongoing
15	Upper Narmda	1	0.185	178.93	Under Process
16	Halon	1	0.130	134.00	Under Process
17	Sher, Sakkar and Machraha	3	0.648	567.960	Under Survey
18	Dudhi	1	0.500	444.49	Under Survey
19	Morand Gunjal	2	0.580	465.48	Under Survey
20	Upper Burner	1	0.890	82.720	Under Review

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Sl no	Name of Project	No. of dams	Area in lakh ha	Projected use of water in MCM	Status of Project/ Projects
21	Ataria	1	0.020	112.36	Under Review
22	Chinki (including future projects)	1	0.739	1969.90	Under Review
23	Raghopur, Rosra and Basania	3		Power project	Under Review
	Sub total (B)			4193.840MCM/ 3.40 MAF	
	Total for major projects	26		14012.33MCM/ 11.36 MAF	
					1233.48 MCM= 1 MAF

Appendix 3.3
(Reference paragraph 3.7.3 Page 92)
Statement showing delay in environment clearances

S. No.	Name of project	Site clearance (180 days)		EIA/EMP Report (540 days)			Public hearing (90 days)			Final Appraisal (60 to 90 days)			Time taken in years (30 months)
		submission	approval	Time	submission	approval	Time	start	Final date	Time	submission	approval	Time
1.	ISP												
2.	Omkareshwar												
3.	Man												
4.	Jobat												
5.	RABLS												
6.	BDP												
7.	Punasa LIS	16-07-04	27-09-04	73	02-02-06	16-07-07	529	20-04-05	28-03-06	342	20-02-06	16-07-07	511
8.	Lower Goi	24-10-02	30-12-03	432	13-11-06	17-01-08	430	19-04-06	11-09-06	145	13-11-06	17-01-08	430
9.	Halon	29-10-01	18-11-03	750	28-08-09	04-01-10	129	12-02-09	24-08-09	193	28-08-09	04-01-10	129
10.	Upper Narmada	29-10-01	13-02-04	837	11-01-07	10-01-09	730	07-03-09	25-03-09	18	11-01-07	10-09-09	973

Being old projects all necessary clearances had already been got prior to 1993

Appendix 3.4
(Reference paragraph 3.7.6 Page 94)
Statement showing details of delay in acceptance of tenders

Sl No	Name of division	Name of project	Name of works	Name of contractor	Date of NIT	Date of acceptance of tender	Time taken in acceptance (in days)
1	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Omkareshwar Dam to Gujarat Border for 160000 ha irrigation	EGIS and RMSE JV	13-10-2008	25-09-2009	347
2	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Handia to Omkareshwar Dam for 130000 ha irrigation	M/s Secon pvt ltd	13-10-2008	25-09-2009	347
3	ND 16 Kukshi	Jobat Canal	Construction of lining of balance reaches between RD m 380 to m 7730, m 8470 to m 12130 and m 15900 to m 29000 distributary of Jobat Project	M/s R R Agrawal	24-04-2010	15-03-2011	325
4	ND canal Khargone	ISP	Construction of Earth work structure and lining (with paver) of ISP main canal from RD km 125 to km 130.935	M/s Karan Developers Pvt. Ltd.	25-02-2006	05-01-2007	314
5	ND 21 Sanawad	ISP	Balance work of earth work and WBM road of ISP main Canal RD km 64.50 to RD km 67.04	BC Biyani	15-05-2008	27-01-2009	257
6	ND 16 Kukshi	Jobat Canal	Construction of Deck slab, right side abutment of down stream bridge of Jobat Project	M/s R R Agrawal	06-04-2010	18-11-2010	226
7	ND 16 Kukshi	Man	Construction of lining work in balance reach of LBC main canal of Man Project	M/s Ravi Construction	24-04-2010	18-11-2010	208
8	ND 20 Mandleshwar	OSP	Work survey planning design and perpartion of estimate of distribution network between RD km 9.775 to km 146 of OSP	M/s NK Buildcon	27-05-2008	12-12-2008	199
9	ND 16 Kukshi	Man	Construction of lining and balance earth work of distributary and minor of RBMC of Man Project	M/s Advantage Equifund Pvt. Ltd	11-08-2010	24-02-2011	197
10	ND 12 Rajpur	Lower Goi	On turnkey basis consultancy of Dam, Canal and distribution system of Shaid Bheem Naik Project Sagar	Cade system service private Ltd	20-01-2009	27-07-2009	188

Appendix 3.5
(Reference paragraph 3.7.6 Page 94)
Statement showing details of delay in issue of work order

Sl no	Name of division	Name of project	Name of work	Name of contractor	Date of acceptance of tender	Date of work order	Delay in days
1	ND 19 Bhikangoan	Kathora LIS	Construction of retaining wall for jeeckwell in kathora LIS	M/s Rakesh Kumar Sawla	22-05-2010	22-07-2011	426
2	ND 25 Narmada Nagar	ISP	Construction of grouting stone pitching in Punasa exit canal RD km 69.10 to km 93.60	M/s Manoj Enterprises	05-02-2011	26-12-2011	324
3	ND 16 Kukshi	Man	Construction of canal lining along RM 1 Minar of Panwa distributray from RD m 3630 to m 10060	M/s Mohanlal patidar	11-03-2009	12-11-2009	246
4	ND 25 Narmada Nagar	ISP	Execution of Punasa LIS including distribution network	M/s Secon pvt ltd	23-02-2008	06-08-2008	165
5	ND 16 Kukshi	Man	Construction of PCC lining b/w RD m 60 to m 13640 of Man RBC.	M/s Pratik Construction	12-08-2008	01-01-2009	142
6	ND 16 Kukshi	Man	Construction of PCC lining b/w RD m 5905 of RM 6 Minor of Panwa Distributary	M/s Mohanlal patidar	14-08-2008	01-01-2009	140
7	ND 11 Badwani	ISP	Consultancy work for IPS main canal RD km 206 to km 248.65	M/s Span Consultant	12-12-2008	30-04-2009	139
8	ND 16 Kukshi	Jobat Canal	Construction of down stream RCC duct Bridge of Jobat Project	M/s R R Agrawal	09-06-2008	15-10-2008	128
9	ND 11 Badwani	ISP	Construction of main canal and network of ISP Main canal RD 206 to 243.895	M/s Som Datta and K.D.S JV	21-02-2009	22-06-2009	121
10	ND 16 Kukshi	Man	Construction of lining and balance earth work of distributary and minor of RBMC of Man Project	M/s Advantage Equifund Pvt. Ltd	24-02-2011	11-05-2011	76
11	ND 16 Kukshi	Man	Construction of lining work in balance reach b/w RD km 0 to km 16.27 of RBC main canal of Man Project	M/s Jagdish Gupta	29-06-2010	06-09-2010	69
12	ND 19 Bhikangoan	Kathora LIS	Construction of RBC RD 0 to m 170 including pipe laying work and construction of distribution chamber at RD 170	Rakesh Kumar Sanwal	06-10-2008	12-12-2008	67
13	ND 16 Kukshi	Man	Construction of down stream bridge of Man Project	M/s Ravi Construction	02-02-2011	09-04-2011	66
14	ND 16 Kukshi	Man	Construction of APM type pipe outlet of minor & sub minor of MAN RBC.	M/s Pratik Construction	20-06-2008	21-08-2008	62

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Sl no	Name of division	Name of project	Name of work	Name of contractor	Date of acceptance of tender	Date of work order	Delay in days
15	ND 19 Bhikangoan	Kathora LIS	Construction of Jeckwell and I type quarter in DC 123 and 4 in Kathora LIS	M/s Chokda Agency	22-05-2010	22-07-2010	61
16	ND 14 Thikri	ISP	Consultancy service for Construction of ISP main Canal RD 155 to 206 including distribution system	M/s Gherji Eastern	16-05-2008	08-07-2008	53
17	ND 19 Bhikangoan	Kathora LIS	Construction of BT road along the rising main Jeckwell to DC -4 at Kathora LIS	M/s Radhakishn	05-06-2009	27-07-2009	52
18	ND 28 Punasa	ISP	Construction of sub minor offtake from RD m 3350 of Gudariya distributary	M/s Shephard Mathew	05-12-2011	25-01-2012	51
19	ND 28 Punasa	ISP	Construction of grouting stone pitching in ISP main canal RD km 10 to km 17 and ramp	M/s Manoj Enterprises	14-11-2011	03-01-2012	50
20	ND 16 Kukshi	Jobat Canal	Construction of lining of L-4 distributary of Jobat Project	M/s Advantage Equifund Pvt. Ltd	14-03-2011	26-04-2011	43
21	ND 16 Kukshi	Jobat Canal	Construction of lining of L-5 distributary of Jobat Project	M/s Advantage Equifund Pvt. Ltd	14-03-2011	26-04-2011	43
22	ND 16 Kukshi	Jobat Canal	Construction of lining of L-6 and 7 distributary of Jobat Project	M/s Advantage Equifund Pvt. Ltd	14-03-2011	26-04-2011	43
23	ND 28 Punasa	ISP	Construction of tar road RD km 0 to km 17 of ISP main canal	M/s Batwant singh Ataer	05-12-2011	16-01-2012	42
24	ND 16 Kukshi	Jobat Canal	Repair work of lining b/w RD km 0 to km 18 of Jobat main canal	M/s R R Agrawal	08-08-2008	19-09-2008	42
25	ND 16 Kukshi	Jobat Canal	Escape cum cross regulator at RD km 13.300 and km 25.600 of Jobat main canal	M/s R R Agrawal	08-08-2008	19-09-2008	42
26	ND 28 Punasa	ISP	Construction of cross regulator at RD m 2220 of ISP main canal excluding steel gate and hoisting.	M/s Shephard Mathew	28-07-2009	07-09-2009	41
27	ND 28 Punasa	ISP	Construction of WBM road in left bank of Bijapur distributary	M/s Shephard Mathew	01-08-2009	10-09-2009	40
28	ND 28 Punasa	ISP	Construction of grouting stone pitching in ISP main canal RD km 0 to km 4.36 and ramp	M/s Manoj Enterprises	24-11-2011	03-01-2012	40
29	ND 28 Punasa	ISP	Construction of grouting stone pitching in ISP main canal RD km 4.36 to km 10 and ramp	M/s Manoj Enterprises	24-11-2011	03-01-2012	40
30	ND 32 Barwaha	OSP	Construction of New RCC Bridge at RD m 8875 of CWC	M/s Batwant singh	11-04-	19-05-	38

Sl no	Name of division	Name of project	Name of work	Name of contractor	Date of acceptance of tender	Date of work order	Delay in days
			Canal (Bhogawan)	Ataer	2011	2011	
31	ND 16 Kukshi	Man	Construction of lining work in balance reach b/w RD km 0 to km 10.92 of LBC main canal	M/s Ravi Construction	29-06-2010	06-08-2010	38
32	ND 09 Bhikangoan	Upper Beda dam	Construction of rawown Masonary wall in Upper Weda Project	M/s Dharmnadar Sing tomar	18-01-2012	24-02-2012	37
33	ND 16 Kukshi	Jobat Canal	Construction of lining of balance reaches between RD m 380 to m 7730, m 8470 to m 12130 and m 15900 to m 29000 distributory of Jobat Project	M/s R R Agrawal	15-03-2011	21-04-2011	37
34	ND 16 Kukshi	Jobat Canal	Construction of up stream bridge at chotti Khaltali of Jobat Project	M/s Ravi Construction	03-04-2012	09-05-2012	36
35	ND 28 Punasa	ISP	Construction of head regulator at RD km 15.225 of ISP main canal and beripura Distributary	M/s Nagarjun Construction	03-10-2009	07-11-2009	35
36	ND 25 Narmada Nagar	ISP	Survey work, design and construction work of CWC of OSP main canal and irrigation connectivity DPR	M/s Tecon Infrastructure	16-05-2008	20-06-2008	35
37	ND 16 Kukshi	Jobat Canal	Construction of lining of L-8 distributory and minor M-2 of Jobat Project	M/s Mohanlal patidar	08-03-2011	11-04-2011	34
38	ND 16 Kukshi	Jobat Canal	Construction of lining of L-9 and 10 distributory of Jobat Project	M/s Mohanlal patidar	08-03-2011	11-04-2011	34
39	Canal Khargone	ISP	Construction of ISP main Canal RD 130.935 to 155 including distribution system	Gayatri-BC Biyani JV	23-02-2008	27-03-2008	33
40	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Omkareshwar Dam to Gujrat Border for 160000 ha irrigation	EGIS and RMSE JV	25-09-2009	28-10-2009	33
41	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Handia to Omkareshwar Dam for 130000 ha irrigation	M/s Secon pvt ltd	25-09-2009	28-10-2009	33
42	ND 16 Kukshi	Jobat Canal	Construction of PCC lining b/w RD m 5905 to m 12000 of Panwa distributory of Man RBC	M/s Mohanlal patidar	20-06-2008	22-07-2008	32
43	ND 28 Punasa	ISP	Construction of WBM road in left bank of Gudaniya distributary	M/s Thakur Govind Singh Tomar	22-07-2011	22-08-2011	31
44	ND 09 Bhikangoan	Upper Beda dam	Construction of sluice at RD m 895 of Upper Beda Project	M/s Tirathdas Shukatrai	13-01-2008	13-02-2008	31
45	ND 16 Kukshi	Man	Construction of canal lining along LM 1 of Tonkey	M/s Ravi	03-11-	04-12-	31

Audit Report Economic (Non-PSUs) Sector for the year ended 31 March 2012

Sl no	Name of division	Name of project	Name of work	Name of contractor	Date of acceptance of tender	Date of work order	Delay in days
			distributary of LBC of Man Project	Construction	2009	2009	
46	ND 16 Kukshi	Jobat Canal	Construction of lining work of M-1, 3,4,5,6 and 7 of L-8 distributary and minor of LBMC of Jobat Project	M/s Narayan Das phoolchand Mishra	23-04-2011	23-05-2011	30
47	ND 16 Kukshi	Jobat Canal	Construction of lining work of L-1,2, 3 distributary and minor of LBMC of Jobat Project	M/s Narayan Das phoolchand Mishra	23-04-2011	23-05-2011	30
48	ND 20 Mandleshwar	OSP	Consultancy for construction of LIS phase IV and RBL from RD 0 to 51.281 of OSP.	M/s Secon pvt ltd	17-10-2011	16-11-2011	30
49	ND 20 Mandleshwar	OSP	Consultancy for construction of LIS phase IV and RBL from RD 51.281 to 125 of OSP.	M/s Secon pvt ltd	17-10-2011	16-11-2011	30
50	ND 32 Barwaha Canal	OSP	Construction of LBC Main canal Distributary RD km 9.75 to km 68.92 and distributary system.	M/s Som Datta and K.D.S JV	27-02-2008	27-03-2008	29
51	Khargone	ISP	Consultancy for construction of ISP main canal from RD km 130.935 to RD km 155	M/s Sungrace	19-02-2008	17-03-2008	27
52	ND 16 Kukshi	Man	Construction of lining work in balance reach of LBC main canal of Man Project	M/s Ravi Construction	18-11-2010	15-12-2010	27
53	ND 20 Mandleshwar	OSP	Work survey planning design and perpartion of esimate of distribution network between RD 9.775 to 146 of OSP	M/s NK Buildcon	12-12-2008	07-01-2009	26
54	ND 16 Kukshi	Man	Construction of canal lining along LM 5 Minar of Panwa distributray	M/s Bundela construction	22-06-2009	17-07-2009	25
55	ND 09 Bhikangoan	Upper Beda dam	Construction of Submersible box culvert bridge at down stream of Upper Beda Project	M/s Rakesh Kumar Sawla	26-12-2008	19-01-2009	24
			Repair work of V R B at RD 12130,12370,18258,21600,22815 M & 14 Nos Structure B/w RD 18 to 27 repair of steel aqueduct etc construction of inlet structure	M/s Giriraj Earth Movers	20-06-2008	14-07-2008	24
56	ND 16 Kukshi	Jobat Canal	Constnction of inlet outlet head regulator, V R B CD repair of structure and fixing gate of Jobat main canal	M/s Giriraj Earth Movers	20-06-2008	14-07-2008	24
57	ND 16 Kukshi	Jobat Canal	Balance work of earth work and WBM road of ISP main Canal RD km 64.50 to RD km 67.04	BC Biyani	27-01-2009	19-02-2009	23
58	ND 21 Sanawad	ISP		M/s Shephard Mathew	16-07-2009	04-08-2009	19
59	ND 28 Punasa	ISP	Construction of escape at RD km 15.720				

Sl no	Name of division	Name of project	Name of work	Name of contractor	Date of acceptance of tender	Date of work order	Delay in days
60	ND 25 Narmada Nagar	ISP	Construction of Mahseer hatchery and fishfarm at Chandel village	M/s Jitendra singh	20-04-2011	09-05-2011	19
61	ND 19 Bhikangoan	Upper Beda Canal	Consultancy work for Upper Beda Project	M/s Zeo Informatic	26-06-2009	14-07-2009	18
62	ND 25 Narmada Nagar	ISP	Construction of hatchery and fishfarm at Chandel village	M/s Piush Sharma	29-09-2011	17-10-2011	18
63	ND 21 Sanawad	ISP	Balance work of ISP Canal main Canal RD 42.05 to 51.506 and WBM road	M/s Raian Associates Pune	06-05-2009	23-05-2009	17
64	ND 12 Rajpur	Lower Goi	On turnkey basis construction of Dam, Canal and distribution system of Shaid Bhm Naik Project Sagar	M/s IVRCL and MBL Join venture	21-01-2009	07-02-2009	17
65	ND 16 Kukshi	Jobat Canal	Construction of Deck slab, right side abutment of down stream bridge of Jobat Project	M/s R R Agrawal	18-11-2010	03-12-2010	15
66	ND 24 Khargoan	ISP	Construction of 8 head regulator in ISP main canal RD km 89.710 to km 125 and distribution system between RD km 80 to km 125	M/s Goodwill Adv. Const.	28-08-2008	08-09-2008	11
67	ND 18 Khargoan	ISP	Construction of Khargone LIS	MIL-KBL JV	17-03-2011	28-03-2011	11

Appendix 3.6
(Reference paragraph 3.7.7(i) and (ii) Page 95)
Statement showing details of delays in construction of dams and canals

Sl no	Name of Project	Amount of AA in crore ₹	Revised cost of project in crore ₹	Cost overrun in crore ₹	Projected use of water in MCM	Year of start of dam	Year of completion of dam	Year of start of canal	Year of completion of canal	Years taken for dam	Years taken for canal	Reasons for delay
1	Tawa	Projects were completed by the WRD			2386.72	1956	1978	1956	1998	22	42	Projects were completed by the WRD
2	Barna				559.82	1968	1975	1968	1997	07	29	
3	Kolar				435.9	1983	1988	1984	1990	05	06	
4	Sukta				170.57	1973	1985	1973	1985	12	12	
5	Matiyari				88.38	1978	1986	1973	1985	13	12	
6	RABLS	566.34	2260.40	1693.06	1681	1971 ²	1988	1992	ongoing	17	ongoing	Micro distribution network was in progress (Jan. 2013) Leaving of incomplete works by contractors and slow progress Engaging of contractors having poor bid capacity rendering incomplete works in initial reaches Engaging of contractors having poor bid capacity rendering incomplete works in initial reaches since completed since completed Micro distribution network is still in progress Slow progress by the contractor
7	BDP	1101.23	5127.22	4025.99	2510.6	Not Applicable	Not Applicable	1990	ongoing	-	ongoing	
8	ISP	2166.67	3182.77	1016.01	1625.26	1984 ³	2006	1992	ongoing	22	ongoing	
9	Omkareshwar	788.08	2504.80	1716.72	1300	2003	2007	2006	ongoing	04	ongoing	
10	Man Project	35.94	246.03	210.09	140.1	1983	2006	1983	2006	23	22	
11	Jobat Project	26.91	230.61	203.07	112.145	1987	2007	1987	2007	20	20	
12	Upper beda	87.86	224.41	136.55	101.09	2003	2010	2008	ongoing	07	ongoing	
13	Punasa LIS	185.04	488.06	303.02	130.2	Not Applicable	Lift from canal	2008	ongoing 09/2012	-	ongoing	
14	Lower Goi	137.44 (Estimated cost)	360.37	222.93	136.65	2009	ongoing	2009	ongoing	ongoing	ongoing	
	Total	5095.51	14624.67	9527.44	11378.435							

² RABLS Transferred from WRD in June 1992.

³ DAM Work transferred to NHDC in 2000

Appendix 3.7
(Reference paragraph 3.7.7 (iii) Page 98)
Project wise details of turnkey contracts in NVDA

Project Name	Construction		Consultancy		Survey		Total	
	No. of works	PAC in lakh	No. of works	PAC in lakh	No. of works	PAC in lakh	No. of works	PAC in lakh
Ataria		0.00			1	3.40	1	3.40
BDP	7	1647.12	4	17.56		0.00	11	1664.68
ISP	5	1518.27	3	14.82	1	8.56	9	1541.64
Lower Goi	1	332.55	1	3.70		0.00	2	336.25
MMR		0.00		0.00	2	72.72	2	72.72
OSP	4	1372.43	3	9.10		0.00	7	1381.53
Punasa LIS	1	418.50		0.00		0.00	1	418.50
SMS		0.00		0.00	1	5.96	1	5.96
Upper Beda (Canal)	1	45.46	1	0.50		0.00	2	45.96
Upper Burner		0.00		0.00	1	2.20	1	2.20
Total	19	5334.32	12	45.67	6	92.84	37	5472.84

Appendix 3.8
(Reference paragraph 3.7.7 (iii) Page 98)
Statement showing details of delay in ongoing turnkey contracts

Sl No	Name of division	Project	Description of work	Name of firm	Agreement No	Date of start of work	Due date of completion	Probable Amount of Contract in lakh	Total Payment	Time period in months	Time taken in months	Reasons	Year of start	Delay in months
1	RBC1 Katni	BDP	Construction of RBC canal RD 129 to 154 km including tunnel and lining	M/s JTEGC APRCL joint venture	02/2007-08	31-03-2008	31-12-2012	13876	9080	30	50		2007-2008	20
2	ND 19 Bhikangoan	Upper Beda Canal	Construction of main canal and distributary of upper Beda RD km 0.00 to km 30.427	M/s Biyani pvt Ltd	01/2008-09	29-02-2008	28-08-2010	4545.54	3559.41	30	50	Slow progress by the contractor	2007-2008	20
3	ND 32 Barwaha	OSP	Construction of LBC Main canal Distributary RD km 9.75 to km 68.92 and distributary system.	M/s Som Datta and K.D.S JV	16/2007-08	27-03-2008	26.02.2010	19300	9830.32	30	49	Insufficient resources deployed by the contractor	2007-2008	19
4	RBC1 Katni	BDP	Consultancy work of RBC Sleemabad carrier canal RD km 129 to km 154 including tunnel cut and cover	M/s Gherji Eastern	01/2008-09	09-09-2008	31-03-2011	243	157	30	45		2008-2009	15
5	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Omkareshwar Dam to Gujarat Border for 160000 ha irrigation	EGIS and RMSE JV	05/2009-10	28-10-2009	27.04.2011	4060.8	2236	18	32	Short allotment, delay in payment for satellite image.	2009-2010	14
6	ND 30 Manawar	OSP	Construction of RBC Main canal Distributary RD 68.92 to 162.95 and distributary system of OSP.	M/s Sudbhav Engineering	14/2007-08	28-02-2008	27.02.2011	31020	19970.7	36	50	Stay from H'Court	2007-2008	14
7	Canal Khargone	ISP	Construction of ISP main Canal RD 130.935 to 155 including distribution system	Gayatri-BC Biyani JV	07/2007-08	27-03-2008	26-03-2011	24255	17727.96	36	49	Slow progress by the Contractor	2007-2008	13
8	ND 25 Narmada Nagar	MMR	Survey work of medium and minor from Handia to Omkareshwar Dam for 130000 ha irrigation	M/s Secun pvt Ltd	04/2009-10	28-10-2009	27.04.2011	3211.25	2411	18	30	Short allotment, delay in payment for satellite image.	2009-2010	12

Appendix 3.9
(Reference paragraph 3.8 Page 99)
Details of medium and minor irrigation project of Water Resources Department

(a) Medium Projects

Sl no	Name of project	Name of river or tributary	Reporting officer	Live Storage Capacity in MCM
1.	Jalgaon tank	Banjar	EE Banjar River Dn Baihar	2.17
2.	Banjar Project (Bahera tank)	Banjar	EE WRD Kawardha	13.71
3.	Bichhiya tank	Kolarnalla and Banjar	EE WRD Mandla	7.23
4.	Dhundhar tank	Dhuadhar	EE WRD Mandla	5.11
5.	Mehgaon tola	Bidrinalla/ Gaur	EE WRD Hiran Jabalpur	10.51
6.	Barnoo tank	Barnoo nalla	EE WRD Hiran Jabalpur	8.96
7.	Madai tank	Madainalla	EE WRD Hiran Jabalpur	8.39
8.	Bahoriband tank	Bhutanalla/ Hiran	EE WRD Katni	34.47
9.	Pariyat tank	Pariyatnalla	Manicipal corporation	18.47
10.	Dukrikheda Project	Ghogranalla/ Sukri	EE WR Hoshangabad	11.5
11.	Sampna tank	Sampna river	EE WR Betul	14.32
12.	Chandrashekhhar tank		EE WR Dn Dewas	30.06
13.	Paras Tank	Paras river	EE WR Dn Dewas	6.1
14.	Choral Nakheri	Choral	EE WR Dn Indore	21.46
15.	Dejla Dewda Tank	Kunta	EE WR Dn Khargone	50.29
16.	Kunda tank	Butti Nalla	EE WR Dn l Dhar	8.1
17.	Satak tank	Satak	EE WR Dn Mandleshwar	18.37
18.	Segwal tank	Sozar Nalla	EE WR Dn Barwani	8.62
19.	Sakalda tank	Chiri/Khuh Nalla	EE WR Dn l Manawar	12.69
Total	19 Projects			22078.34

(b) Minor project

Sl No	Cardinal site	Name of divisions	No. of schemes	CCA in ha
1	Bargi	WR Dn Chhukhadan	4	768
2	Bargi	WR Dn Kawardha	15	1618
3	Bargi	WR Dn Anuppur	5	1598
4	Bargi	WR Banjar river project dn Baihar	39	15202
5	Bargi	WR Dn 1 Seoni	18	4219
6	Bargi	WR Dn Dindori	56	10233
7	Bargi	WR Dn Niwas	34	6813
8	Bargi	WR Dn Mandla	22	5110
9	Burmanghat	WR Dn Hiran Jabalpur	37	9394
10	Burmanghat	WR Dn Katni	29	8445
11	Burmanghat	WR Dn Narsinghpur	17	4832
12	Hoshangabad	WR Dn Damoh	3	2359
13	Hoshangabad	WR Dn Chhindwara	11	6189
14	Hoshangabad	WR Dn Hoshangabad	15	2689
15	Hoshangabad	WR Dn Raisen	5	4670
16	Hoshangabad	WR Dn Betul	41	15945
17	Indra Sagar Project	WR Dn Sehore	16	4119
18	Mandleshwar	WR Dn Indore	14	3098
19	Mandleshwar	WR Dn Dewas	12	3029
20	Mandleshwar	WR Dn Khandwa	44	5863
21	Mandleshwar	WR Dn Mandleshwar	0	0
22	Mandleshwar	WR Dn Khargone	107	31052
23	Sardar Sarovar	WR Dn Mandleshwar (Part)	0	2457

Sl No	Cardinal site	Name of divisions	No. of schemes	CCA in ha
24	Sardar Sarovar	W/R Dn Khargone (part)	51	9516
25	Sardar Sarovar	W/R Dn Barwani	82	11922
26	Sardar Sarovar	W/R Dn Dhar	65	6675
27	Sardar Sarovar	W/R Dn Manawar	135	15673
28	Sardar Sarovar	W/R Dn Alirajpur	99	9364
	Total		976	

Appendix 3.10
(Reference paragraph 3.9.2 Page 102)
Details of the re-appropriation of water

Sl no	Name of Project	Live storage capacity of Dam	Area in lakh ha	Projected use of water in MCM	Water use in MCM as per NWDT award	Increase in utilisation of water in MCM	Decrease in utilisation of water in MCM	Maximum water use in MCM/ year
1	Tawa	2050	2.469	2386.72	2219.98	166.74	0	1753/2007-08
2	Barna	455.82	0.548	559.82	596.36	0	-36.54	412.81/2010-11
3	Kolar	265	0.451	435.9	295.09	140.81	0	279.74/2006-07
4	Sukta	78	0.166	170.57	123.47	47.1	0	70.38/2009-10
5	Matiyari	51.12	0.101	88.38	80.26	8.12	0	76.3/ 2008-09
6	RABLS	3180	1.57	1681	2142.19	0	-461.19	528.97/2007-08
7	BDP		2.45	2510.6	2016.26	494.34	0	
8	ISP	9750	1.23	1625.26	1685.36	0	-60.1	207.79/2010-11
9	Omkareshwar		1.47	1300	1450.77	0	-150.77	
10	Man Project	127.87	0.15	140.1	148.16	0	-8.06	142.23/2007-08
11	Jobat Project	70.04	0.098	112.145	125.94	0	-13.795	64.52/2010-11
12	Upper beda		0.099	101.09	127.17	0	-26.08	
13	Punasa LIS		0.35	130.2	0	130.2	0	
14	Lower Goi		0.137	136.65	160.51	0	-23.86	
15	Upper Narmda		0.185	178.93	143.22	35.71	0	
16	Halon		0.130	134.000	87.66	46.34	0	
17	Ataria		0.020	20.83	112.360	0	-91.53	
	Total			11712.195	11514.76	1069.36	-871.925	
	Total in MAF			9.495	9.335	0.867	- 0.707	

Appendix 3.11
(Reference paragraph 3.10 Page 104)
Statement showing details of requirement of funds up to year 2020-21

Name of scheme	Approximate cost including	Expenditure up to March-12	Balance cost as on 1-4-12	Amount of escalation	Total amount required	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
ISP Canals	3182.77	2092.84	1090	109.00	1199	255.00	350.00	350.00	244.00	0.00	0.00	0.00	0.00	0.00
ISP Dam and Power house	4356.00	4356.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OSP Canals	2504.80	1381.57	1123	112.00	1235	224.00	350.00	350.00	312.00	0.00	0.00	0.00	0.00	0.00
OSP Dam	2224.73	2224.73	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punasa LIS	488.06	436.70	51	5.00	56	20.00	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Upper Beda	224.41	214.97	9	1.00	10	14.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Man	246.03	217.08	29	0.00	29	6.73	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jobat	230.61	215.88	15	0.00	15	12.18	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower Goi	360.37	223.10	137	14.00	151	56.74	58.00	36.26	0.00	0.00	0.00	0.00	0.00	0.00
Bargi LBC	2260.40	1566.50	694	0.00	694	77.30	300.00	200.00	117.00	0.00	0.00	0.00	0.00	0.00
BDP	5127.22	1572.58	3555	355.00	3910	196.00	720.00	1100.00	1025.00	869.00	0.00	0.00	0.00	0.00
Upper Narmada	683.93	40.17	644	64.00	708	100.00	225.00	200.00	183.00	0.00	0.00	0.00	0.00	0.00
Halon	414.21	50.09	364	36.00	400	50.00	150.00	125.00	75.00	0.00	0.00	0.00	0.00	0.00
Raghopur	440.00	0.53	439	154.00	593	0.10	1.00	100.00	150.00	150.00	125.00	67.00	0.00	0.00
Rosra	716.00	0.59	715	250.00	965	0.10	1.00	200.00	225.00	200.00	190.00	150.00	0.00	0.00
Basania	463.00	0.58	462	162.00	624	0.10	1.00	100.00	150.00	150.00	125.00	98.00	0.00	0.00
Upper Burner	549.00	1.59	547	219.00	766	0.10	1.00	150.00	180.00	150.00	150.00	135.00	0.00	0.00
Chinki	1415.00	1.76	1413	565.00	1978	1.00	1.00	300.00	500.00	500.00	300.00	250.00	100.00	27.00
Morand Gunjal	1434.00	5.22	1429	572.00	2001	0.50	20.00	300.00	450.00	450.00	350.00	250.00	170.00	10.00

Name of scheme	Approximate cost including	Expenditure up to March-12	Balance cost as on 1-4-12	Amount of escalation	Total amount required	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Sher, Sakkar, Machrewa	1685.00	4.59	1680	672.00	2352	5.00	59.00	350.00	450.00	450.00	400.00	250.00	320.00	91.00
Dudhi	506.00	1.00	505	202.00	707	1.00	1.00	100.00	150.00	200.00	150.00	60.00	40.00	5.00
Ataria	209.00	2.64	206	83.00	289	1.00	1.00	1.00	50.00	70.00	70.00	59.00	30.00	7.00
Total	29720.54	14610.71	15110	3575	18685	1021	2300	3962	4261	3189	1860	1319	660	140
Medium and Minor	10500.00	0.00	10500	1575	12075	10.00	410.00	1500	2000	1700	1700	1700	1700	1355
Grand Total	40220.54	14610.71	25610	5150	30760	1031	2710	5462	6261	4889	3560	3019	2360	1495

Details of escalation included projected funds requirement

Name of Projects	Time projected for completion	Escalation ⁴ percentage taken in account
Punasa, Upperbeda,	2013-14	10
Lower Goi	2014-15	10
ISP Canal, OSP, Upper Narmada, Halon	2015-16	10
BDP	2016-17	10
Raghopur, Rostra Basania,	2018-19	35
Upper Burner	2018-19	40
Chinki, Morand Gunjal, SMS, Dudhi and Ataria	2020-21	40

⁴ Escalation was not included in Man, Jobat and RABLS projects

Appendix 3.12
(Reference paragraph 3.10 Page 105)
Details of budget provisions and expenditure of NVDA

(₹ in crore)

Year	Budget provision	Actual expenditure	Savings	Percentage of savings
Upto 1989-90		659.28		
1990-91	181.20	76.03	105.17	58.04%
1991-92	354.64	172.56	182.08	51.34%
1992-93				
1993-94	438.16	243.22	194.94	44.49%
1994-95	404.86	286.72	118.14	29.18%
1995-96	331.14	247.63	83.51	25.22%
1996-97	314.35	249.20	65.15	20.73%
1997-98	410.47	278.31	132.16	32.20%
1998-99	426.74	303.50	123.24	28.88%
99-2000	427.81	321.02	106.79	24.96%
2000-01	554.50	394.14	160.36	28.92%
2001-02	578.50	397.19	181.31	31.34%
2002-03	1032.16	853.82	178.34	17.28%
2003-04	1087.64	803.08	284.56	26.16%
2004-05	3247.72	2927.79	319.93	9.85%
2005-06	1723.48	1204.33	519.15	30.12%
2006-07	1778.89	728.33	1050.56	59.06%
2007-08	965.43	835.44	129.99	13.46%
2008-09	981.34	946.46	34.88	3.55%
2009-10	1427.79	1003.35	424.44	29.73%
2010-11	1526.83	1384.57	142.26	9.32%
2011-12	1413.49	1302.58	110.91	7.85%

Appendix 4.1

(Reference paragraph 4.1.1 Page 114)

Statement showing loss of interest due to delay in realisation of Cess

Due Year	Amount deposited vide		Cess deposited Rs.	Delay period	Annual Rate of interest (SBI)	Loss of interest ₹.
	Cheque No.	Challan No.				
2007-08	<u>817495</u> 11.03.11	<u>J14394739</u> 12.03.11	9,41,91,284	35 months	9.5%	2,60,98,835
2008-09	<u>14394739</u> 12.03.11	<u>J14394739</u> 12.03.11	7,35,42,580	23 months	8.10%	1,14,17,486
2009-10	<u>897270</u> 22.03.11	<u>J-1678288</u> 26.03.11	7,00,00,000	11 months	5.25%	33,68,750
	<u>21136</u> 20.3.12	<u>J-021779858</u> 22.03.12	68,62,171	23 months	8.25%	10,85,081
2010-11	<u>220526</u> 26.3.12	<u>J-3323091</u> 3.04.12	10,51,51,999	11 months	7.75%	74,70,173
Total			34,97,48,034			4,94,40,325

Appendix 4.2

(Reference paragraph 4.1.2 Page 114)

Loss of revenue due to sale below upset price

(Amount in ₹)					
No. of Lots	Quantity in No.	Upset Price	Sale Price	Loss	Percentage of sale below upset price
33	11336	2517503	1135400	13,82,103	55 (35 to 78 for various lots)

Appendix 4.3

(Reference paragraph 4.1.3 Page 115)

Statement showing construction in forest area for eco-tourism development

Sl. No	Scheme	Place	Particulars	Amount (₹ in lakh)
1	Orchha ecotourism spot development Orchha, Tikamgarh Orchha		Cafeteria in Toungaranya- ₹ 1.50 Lakh Tourist cycling ₹ 1 lakh Trekking- ₹ 2 lakh Information Materials ₹ 1 lakh Camping site and other expenditure ₹ 2.40 lakh	7.90
			Construction of Land Scaping, sprinkler and platform for camping	3.00
2	Ralamondol ecotourism development	Ralamondol Indore	Survey and construction of ropeways between Ralamondol and Deoguradiya- 1 lakh Maintenance of shikargah road- 5 lakh Platform and toilet for camp- ₹ 2.50 lakh Water supply- 2 lakh	10.50
3	Cycling activity in Ralamondol	Ralamondol, Indore	To start cycling activity in Ralamondal forest	1.00
4	Construction of Prakriti Vyakhya Kendra in Rala mondol	Ralamondol, Indore	For Construction of Prakriti Vyakhya Kendra in Rala mondol -	20.00
5	Upgradation of Delawadi approach road	Delawadi, Obeidullahganj	Construction of tea Huts- 0.20 lakh Construction of Pagoda Set house-0.40 lakh	0.60
6	Construction of Poll and Railing in Delawad approach road	Delawadi Obedullahganj	Construction Of Delawadi sunset point poll and railing -0.81 lakh Construction Of Poll and railing in Ghoda chock view point -0.34 lakh	1.15
7	Eco-turism development in Tinha fall	Tinha fall Indore	Construction Of pagoda railing WBM road	17.93
8	Eco tourism Development in Aavilia Khandwa	Aavilia Khandwa	Construction of platform for camp in Aavilia village	1.50
9	Repairing and nature trail at Gangulpura		Road construction For nature walk in Gangulpura	1.25
10	Rest house at Kiti Forest rest house	Kiti Dewas	Construction At kiti Dewas	20.00
11.	Purchase of cycle Telesxcope etc.	Delawadi Obedullahganj	Forest view point sainage 1.00 Forest Activity package in Delawadi 1.00	2.00
			Cycling activity in chidikhow 0.35 Prakrati Vyakhyan khow 16.17	16.52
12.	Tree hut in horticulture centre	Gopikrishna Sagar Guna	Horticulture Development	2.00
			Tree hut at Gopi Krishna Sagar	5.00
13.	Devp of Approach road at Rukhad Eco	South Seoni, Rukhad	Construction of Tree hut Furnishing of tree hut, purchase of	5.00

Sl. No	Scheme	Place	Particulars	Amount (₹ in lakh)
	tourism		Kitchen material etc	4.00
			Supply of pedal boat for boating at rukhad	0.88
14	Construction of tree hut at Banjari	Banjari North Seoni	Construction of tree hut	5.00
15.	Bherughat Indore	Bherughat Indore	Construction of tree hut	5.00
16.	Devp. Of approach road at Jhangar eco tourism	Nepa Nagar, Burhanpur	Construction of Tree hut at Jhangar	5.00
			Purchase of Cutlary, crockarym for tree hut jhangar	0.50
			Nokayan Facility	4.20
			Construction of Platform for Tent	1.50
17.	Devp of Eco tourism Mada Singroli	Singroli	For Nature trail and Sit out	5.00
18	Devp of Approach road at Samdha tourism	Samardha Bhopal	Café, tree house,sit out,nature trail,pathway,etc.	26.76
			Costruction of stop dam at Samardha Jhaman	10.00
			Costuction of water management structure	0.86
			Tree fabricated structure	1.58
19.	Construction of ghat and stop dam at tilak sindur	Hoshangabad	Construction at stop dam tilak sindur	16.13
			Construction of Stop dam at tilak sindur (Constt. Of Ghat)	4.80
20.	Builder nes café	North Seoni	Construction of two room at paili Forest Rest house	5.00
21.	Devp of approach road Eco tourism Wainganga	Wainganga Balaghat	Repairing work of Café terria, Tree house Nature trail, Herbal garden	5.00
				216.56

Appendix 4.4

(Reference paragraph 4.1.6 Page 119)

Statement showing reduction of Value of Turn Key contract on substitution of the deleted work of open trough

Item	Total Value (In ₹)	Length (in meter)	Unit rate (₹ per meter)
Main Canal	100,73,10,150	22115	45,549
Satak aqueduct	62,86,89,600	960	6,54,885
Open trough	48,31,59,600	990	488,040

Value of Open trough (A) ₹ 4, 88, 040 x 990 meter = ₹ 48, 31,59,600

Increased cost of main canal (B) ₹ 45,549 x 717 meter = ₹ 3,26,58,633

Increased cost of Satak aqueduct (C) ₹ 6, 54, 885 x 273 meter = ₹ 17, 87, 83, 605

Net reduction = A (B+C)

= ₹ 48,31,59,600 - (₹ 3, 26, 58, 633 + ₹ 17, 87, 83, 605)

= ₹ 27, 17, 17, 362

Appendix 4.5
(Reference paragraph 4.1.7 Page 120)
Statement showing non-accountal & short recovery of hard rock.

SL No	Name of Unit	Name of work	Name of contractor	Excavated qty. of hard rock	Qty. of rock to be recorded (Excavated quantity x 1.3)	Quantity utilised by contractor (in cu m)	Amount recovered (Quantity utilised X Rate)	Actually recovered	Short recovery of hard rock
1	EE ND-24, Khar gone	Construction of 9 nos. Head Regulator	M/s Goodwill Advance constt.	342504.06 cu m	445255.28 cu m	191777.17	78,62,863 (191777.17 * 41)	0	78,62,863
2	EE ND 21 Sanawad	Construction of balance work of lining dowels RD 41.250 to 51.508	M/s Ratan Civil Associates	3738.35 cu m	4859.86 cu m	1575	42540(1575 * 27)	0	42,540
3	EE ND 21 Sanawad	Excavation/earth work, CC lining of Jhirbar distributory	M/s Karan developers	47498.10 cu m	61747.4 cu m	61747.4	18,64,771 (61747.4 * 30.20)	4,36,929	14,27,842
4	EE ND 21 Sanawad	Excavation & Earth work of main canal of ISP RD 41.25 to km 58.865	Sh B.C. Biyani	119664.59 cu m	155564 cu m	43818.81	1183108 (43818.81 * 27)	0	11,83,108
		Total		513405 cu m	667427 cu m	298918.38	10953282	4,36,929	1,05,16,353

Appendix 4.6
(Reference paragraph 4.2.1 Page 122)
Statement showing skewed progress of work

Agreement No:- 07/2008-09, PLIS

Work :- Execution of Punassa Lift Irrigation Scheme

Contractor :- IVRCL Hyderabad

RA Bill No. & Voucher No./Date	Particular of works executed		Remark MB No./Page No.
	Procurement (in ₹)	Construction work (in ₹)	
First Six monthly period (September 2008 to February 2009)			
RA Bill 3/V.R.52/28.2.09	16,25,17,036	0	1387/P-3
Sub total	₹ 16,25,17,036=00	0	
Second Six monthly period (March 2009 to August 2009)			
RA Bill No4/V.R.22 dt. 22.3.09	250030351	0	1387/P 6-8
RA Bill No.6/V.R.38/ 6.3.09	172001556	0	1387/P-14-16
RA Bill 7/V.R.40/31.3.09	390934949	0	1387/P-18-20
RA Bill 10./V.R 34/23.05.09	105378687	0	1387/P-26-28
RA Bill 11./ V.R.3/6.7.09	94269279	0	1387/P-30-32
RA Bill 12./ V.R 05/1.8.09	90108900	0	1387/P-34-36
RA Bill 13./ V.R 16/21.8.09	30060478	0	1387/P-38-41
Sub total	₹ 1,132,78,42,00 =00	0	
Third Six monthly period (September 2009 to February 2010)			
RA Bill 14/29/20.10.09.	8735832	0	1387/P-42-44
RA Bill 15. 30/20.10.09	146651612	0	1387/P-46-48
RA Bill 1634/31.12.09.	124106921	0	1387/P-50-52
RA Bill 17/35/31.12.09.	115499274	0	1387/P-54-56
RA Bill 18./50/23.02.10	107823344	147739257	1388/3 to 13
RA Bill 19./51/23.02.10	186379463	35303881	1388/13 to 21
RA Bill 20./61/26.02.10	152964336	28678625	1388/21 to 29
Sub total	₹ 84,21,60,782=00	₹ 211721763=00	
Grant Total (September 2008 to February 2010)	₹ 213,74,62,018=00	₹ 211721763=00	

Appendix 4.7
(Reference paragraph 4.3.1 Page 126)
Statement showing short/ non-deduction of Additional Security Deposit (ASD)

Sl. No	Division Name	Name of contract ors and tender per cent	Particular of item	Estimated Rate (per cu m)	Rate Payable (per cu m) Estimated tender percentage +	Rate paid (Per cu m)	Executed quantity	Amount of ASD	Deducted	Short deduction of ASD
1	2	3	6	7	8	9	10	11= 10*(9-8)	12	13
1	EE ND. 24 Khargone	M/s Goodwill construction 41.01 above	Excavation for all types of soil	28.62	40.35	45	517712	24,07,360.8		
			Excavation for the canals all type of DR	173	243.94	297	342504.06	1,81,73,265.42		
			Providing and placing in position M10 CC concrete	1849.67	2608.21	2800	3188.75	6,11,570.36		
			Supply and fixing steel reinforcement bars	37455.85	52816.49	65000	169.23	20,61,815.39		
			Providing & placing in position CNS material	87.83	123.85	140	8396.5	1,35,603.475		
								2,33,89,615.46	1,85,47,223.00	(A)48,42,392.00
2.	EE ND. 19 Bhikangaon	Shri B.C Biyani constt. company. 1.61 above	Dry and wet excavation Earth work	26.97	27.2397	45	728491.48	1,29,38,227.23		
			Providing and placing PCC 1:3:6	46.02	46.4802	60	826508.45	1,11,74,228.94		
			Providing and placing CC 1:2:4	1839.7	1858.097	2200	4828.76	16,50,967.53		
			Providing and casting in CC M-10	2281.01	2303.8201	2700	20644.5	81,78,935.946		
				1884.13	1902.9713	2200	2096.83	622818.689		
								34565178.00	3841552.00	(B)3,07,23,626
								G. Total	(A+B)	3,55,66,018.00

Appendix 4.8

(Reference paragraph 4.4.1 Page 129)

Statement showing undue financial aid to contractor

(₹ in lakh)

Sl. No.	Name of division	Agreement No.	Recoverable amount	Recovered amount	Short/ non-recovery of Additional SD	Remark
1	Ganjbasoda	11/2008-09 12/2009-10 21/2008-09 25/2006-07	34.64 665.40 29.07 67.07	----- 1.80 1.10 18.61	34.64 663.60 27.97 48.46	Work rescinded
1	Narsinghgarh	1/10-11 1/2007-08	121.06 9.26	31.22 -----	89.84 09.26	Work rescinded
2	Raisen	329/2009-10	31.50	12.97	18.53	
Total		7	958.00	65.70	892.30	

Appendix 4.9

(Reference paragraph 4.4.2 Page 129)

Statement showing Non/short recovery of liquidated damages

(₹ in lakh)

¹ Name of Division	Agreement No.	Recoverable LD	Recovered LD	Short recovery of LD
Sehore	91/2009-10	4.13	-----	4.13
Rajgarh	58/10-11	10.39	-----	10.39
Narsinghgarh	6/2010-11	11.06	8.30	2.76
Raisen	222,223,226,230/2009-10	220.42	69.50	150.92
Total		246.00	77.80	168.20

Appendix 4.10

(Reference paragraph 4.4.3 Page 130)

Statement showing excess Payment of price adjustment

Excess payment on account of price adjustment on erection and commissioning part of the work

(Amount in ₹)						
Name of item	Quantity (in nos)	Full Rate	Reduce Rate (85%)	Amount on which escalation Paid		Amount on which price adjustment is payable
Hydraulic cylinder	14	27,10,000.00	23,03,500.00	3,79,40,000.00		3,22,49,000.00
Power Pack Assembly	7	17,10,000.00	14,53,500.00	1,19,70,000.00		1,01,74,500.00
Amount on which price adjustment Paid	Multiplying factor	Escalation Paid	Amount on which escalation Payable	Multiplying factor	Escalation Payable	Excess
4,99,10,000.00	0.8898 ¹	4,44,09,918.00	4,24,23,500.00	0.8898	37748430.00	66,61,487.00 (A)

(Amount in ₹)							
R-bill	Month	Quantity	Paid Rate	Payable Rate	Paid Amount	Payable Amount	Excess
4 th	3/07	49562.80 kg	30.10 (47.20 - 17.10)	14.40 (31.5 - 17.10)	15,54,974.00	7,13,693.00	8,41,282.00
5 th	3/08	37688.13 kg	34.40 (52.20 - 17.10)	17.40 (34.50-17.40)	13,24,250.00	6,65,774.00	6,68,476.00
(B)							15,09,758.00

Grand total (A+B) = ₹ 81.71 lakh

¹ Formula for multiplying factor = I_p / I_o Where I_p is Whole Sale Price Index on supply date (339.80) and I_o is Whole Sale Price Index on date of inviting of tender by MPLUN (179.80).

Appendix 4.11

(Reference paragraph 4.4.6 Page 132)

Statement showing extra cost due to inadequate survey

Name of contractor	Name of Division/Ag.No	Item	Estimated quantity (Cu m)	Executed quantity (Cu m)	Excess quantity (Cu m)	Percentage increase
M/s Durga Associates	Rajgarh Ag No. 52-2009-10	Excavation of all type of soil	39010.78	42892.45	3881.67	9.95
		All type of rock other than hard rock	67926.13	74714.30	6788.17	9.99
		Excavation in hard rock				
		Blasting prohibited	308.62	-	-	-
		Blasting permitted	3338.40	3553.05 ² plus 31000.00 ³	31214.65	935.01
Total			110583.93	152159.80	41884.49	37.88
M/s SK Jain	Sehore Ag No 172/2007-08	Excavation of all type of soil	34269.81	37672.24	3402.43	9.92
		All type of rock other than hard rock	38581.10	42410.83	3829.73	9.92
		Excavation in hard rock	1804.68	2185.21 ⁴ 10608.00 ⁵	10988.53	608.89
Total			74655.59	92876.28	18220.69	24.41

- ² Quantity executed through the contractor
³ Quantity executed by HEM Division, Bhopal
⁴ Quantity executed by the original contractor
⁵ By M/s CBS construction Co.(Ag No. 103/2009-10)

Glossary of terms

Sl. NO.	Terms	Definition
1.	Anicut	An obstruction or bund constructed across the stream for rising and diverting water is called anicut.
2.	Branch Canal	A channel receiving its supply from the main canal and acting as feeder for the distributaries.
3.	Cast in situ lining	Lining of canals by preparing concrete mix at site
4.	CNS	They are soils possessing the property of cohesion of varying degree and having non-expanding type clay minerals such as illite and kaolinite and their combination with low plasticity with liquid limit not exceeding 50.
5.	Command area	Total area to irrigated by an irrigation scheme
6.	Compressible foundations	Foundations in soil
7.	Cross drainage	The alignment of the canals crosses the natural drainage valleys and provision has to be made to take the drains safely across the canal without damaging it.
8.	Cultivable Command Area	The area which can be irrigated from a scheme and is fit for cultivation.
9.	Distributary	A channel taking from a main canal or branch canal with head discharge more than one cumecs.
10.	DR and SR	Disintegrated rock and soft rock
11.	Field Channel	A channel taking off from the Government outlet and leading to the farm gate.
12.	Main Canal	The principal canal of a canal system taking off from a river or reservoir.
13.	Minor	A channel taking off from the main canal, branch canal or a distributary with head discharge of less than one cumecs.
14.	Nalla diversion	A permanent structure constructed across the stream for diverting of water for irrigation.
15.	Pre cast lining	Lining of canals by constructing blocks for lining of canals and jointing after ward
16.	RD	Reduced Distance
17.	Spill channel	A spill channel is a structure used to provide the controlled release of flows from a dam or levee into

		a downstream area
18.	Sub-Minor	A channel taking off from a minor which delivers water to more than one water course.
19.	Unyielding foundations	Foundations in rock
20.	Water Course	A channel taking off from a branch canal, distributary, minor and sub-minor which conveys water to the turn out.

