

Appendix 1.1
Details of economic region-wise districts in Uttar Pradesh
(Reference: Paragraph no. 1.1)

Sl. No.	Name of the Region	Name of the District
1.	Western Region (30 districts)	1-Saharanpur, 2-Muzaffarnagar, 3-Shamli, 4-Bijnor, 5-Moradabad, 6-Rampur, 7-Amroha 8-Sambhal, 9-Meerut, 10-Bagapat, 11-Ghaziabad, 12-Bulandshahr, 13- Gautam Buddha Nagar, 14-Hapur, 15-Mathura, 16-Agra, 17-Firozabad, 18-Mainpuri, 19-Aligarh, 20-Hthras, 21-Etah, 22-Kasganj, 23-Badaun, 24-Bareilly, 25-Pilibhit, 26-Shahjahanpur, 27-Farrukhabad, 28-Kannauj, 29-Etawah, 30-Auraiya
2.	Central Region (10 districts)	31-Kheri, 32-Sitapur, 33-Hardoi, 34-Unnao, 35-Lucknow, 36-Raebareli, 37-Kanpur Dehat, 38-Kanpur Nagar, 39-Fatehpur, 40-Barabanki
3.	Bundelkhand Region (07 districts)	41-Jalaun, 42-Jhansi, 43-Lalitpur, 44-Hamirpur, 45-Mahoba, 46-Banda, 47-Chitrakoot
4.	Eastern Region (28 districts)	48-Pratapgarh, 49-Prayagraj, 50-Kaushambi, 51-Bahraich, 52-Shrawasti, 53-Balrampur, 54-Gonda, 55-Faizabad, 56-Ambedkar Nagar, 57-Sultanpur, 58-Amethi, 59-Sidharthnagar, 60-Basti, 61-Sant Kabir Nagar, 62-Gorakhpur, 63-Kushi Nagar, 64-Deoria, 65-Maharajganj, 66-Azamgarh, 67-Mau, 68-Ballia, 69-Varanasi, 70-Ghazipur, 71-Jaunpur, 72-Chandauli, 73-Mirzapur, 74-Sonbhadra, 75-Sant Ravidas Nagar.

Appendix 1.2
Department and field offices covered in the Audit
(Reference: Paragraph no. 1.5)

Sl. No.	Name of the department	Name of the office
1.	Irrigation & Water Resources Department	Additional Chief Secretary, Irrigation & Water Resources Department, Lucknow
2.		Engineer-in-Chief, Irrigation & Water Resources Department, Lucknow
		Chief Engineer, Bansagar Canal Project, Prayagraj
3.		Chief Engineer, Betwa, Jhansi
4.		Chief Engineer, Pariyojna Betwa, Jhansi
5.		Superintending Engineer, Bansagar Circle-2, Mirzapur
6.		Superintending Engineer, Irrigation Construction Circle Mahoba
7.		Superintending Engineer, Irrigation work Circle-IV, Jhansi
8.		Superintending Engineer, Tubewell, Jhansi
9.		Executive Engineer, Bansagar Canal Construction Division-1, Prayagraj
10.		Executive Engineer, Bansagar Canal Construction Division-5, Mirzapur
11.		Executive Engineer, Bansagar Canal Construction Division-7, Mirzapur
12.		Executive Engineer, Bansagar Canal Construction Division-8, Mirzapur
13.		Executive Engineer, Bansagar Canal Construction Division-10, Mirzapur
14.		Executive Engineer, Belan Canal Division, Prayagraj
15.		Executive Engineer, Tons Pump Canal Division, Prayagraj
16.		Executive Engineer, Mirzapur Canal Division, Mirzapur
17.		Executive Engineer, Irrigation Division Chunar, Mirzapur
18.		Executive Engineer, Sirsi Dam Division, Mirzapur
19.		Executive Engineer, Tubewell Division-3, Prayagraj
20.		Executive Engineer, Tubewell division, Mirzapur
21.		Executive Engineer, Quality Control Division (Bansagar Canal Project) Prayagraj
22.		Executive Engineer, Irrigation Division, Mahoba
23.		Executive Engineer, Irrigation Construction Division, Mauranipur, Jhansi
24.		Executive Engineer, Maudaha Dam Construction Division-1, Mahoba
25.		Executive Engineer, Maudaha Construction Division, Hamirpur
26.		Executive Engineer, Saprar Division, Jhansi
27.		Executive Engineer Tubewell Division, Hamirpur
28.		Executive Engineer, Participatory Irrigation Management Cell (PIM), Lucknow
29.		Command Area Development Authority, Lucknow
30.		Bhumi Sanrakshan Adhikari, (Land Development & Water Resources Department), Kaushambi
31.		Bhumi Sanrakshan Adhikari, (Land Development & Water Resources Department) Prayagraj
32.		Bhumi Sanrakshan Adhikari (Irrigation & Watershed Management Programme) Mirzapur
33.		Bhumi Sanrakshan Adhikari (Irrigation & Watershed Management Programme) Mahoba
34.	Bhumi Sanrakshan Adhikari, (Land Development & Water Resources	

Sl. No.	Name of the department	Name of the office
		Department), Hamirpur
35.	Agriculture Department	Additional Chief Secretary, Agriculture Department, Lucknow
36.		Director, Agriculture Department, Lucknow
37.		Deputy Director, Agriculture along with District Agriculture Officer & Plant Protection Officer, Prayagraj
38.		Deputy Director, Agriculture along with District Agriculture Officer & Plant Protection Officer, Mirzapur
39.		Deputy Director, Agriculture along with District Agriculture Officer & Plant Protection Officer, Mahoba
40.		Deputy Director, Agriculture along with District Agriculture Officer & Plant Protection Officer, Hamirpur
41.		Asst. Director, Soil Testing, Banda
42.		Bhumi Sanrakshan Adhikari, Agriculture (Phoolpur), Prayagraj
43.		Bhumi Sanrakshan Adhikari (Rashtriya Jalagam), Agriculture, Mirzapur
44.		Bhumi Sanrakshan Adhikari (Rashtriya Jalagam), Agriculture, Mahoba
45.		Bhumi Sanrakshan Adhikari, Charkhari, Mahoba
46.		Bhumi Sanrakshan Adhikari, Agriculture Kulpahad, Mahoba
47.		Bhumi Sanrakshan Adhikari, Hamirpur
48.		Bhumi Sanrakshan Adhikari, Agriculture, Rath, Hamirpur
49.	Revenue Department	Chief Revenue Officer, Prayagraj
50.		Chief Revenue Officer, Mirzapur
51.		Chief Revenue Officer, Mahoba
52.		Chief Revenue Officer, Hamirpur
53.		Sub-Divisional Magistrate, Rath Hamirpur
54.		Sub-Divisional Magistrate, Sarila Hamirpur
55.	Ground Water Department	Director, Ground Water, Lucknow
56.		Geophysicist Ground Water Mirzapur
57.		Geophysicist Ground Water, Jhansi
58.		Executive Engineer, Ground Water Division, Prayagraj
59.		Executive Engineer, Ground Water Division Chitrakoot Dham Mandal, Banda
60.	Minor Irrigation Department	Superintending Engineer, Minor Irrigation, Jhansi
61.		Executive Engineer, Minor Irrigation Division, Prayagraj
62.		Executive Engineer, Minor Irrigation Division, Mirzapur
63.		Executive Engineer, Minor Irrigation Division, Mahoba
64.		Executive Engineer, Minor Irrigation Division, Hamirpur
65.	Department of Horticulture and Food processing	District Horticulture Officer, Mirzapur
66.		District Horticulture Officer, Mahoba
67.		District Horticulture, Officer, Hamirpur

Appendix-2.1
Details of cost variations
(Reference: Paragraph no. 2.2.1)

Sub-Head	Year in which project revised	Previous cost	Revised Cost	Variation (+) or (-)	Variation due to				Remarks
					Price escalation	Inadequate provision	Change in design	Additional requirements	
1	2	3	4	5	6	7	8	9	10
A-Preliminary	2003	95.38	830.64	735.26	186.87	548.39	0	0	Due to chance in price and detailed investigation
	2010	1,153.58	1,790.82	637.24	197.32	439.92	0	0	-
	2017	1,790.82	1,802.91	12.09	12.09	0	0	0	Provision has been made as per requirement. Due to rise in price index cost of work increased
B-Land	2003	133.91	753.68	619.77	249.22	370.55	0	0	Quantity increased from 135 ha to 200.70 ha. and rise in price
	2010	736.85	839.95	103.1	103.1	0	0	0	-
	2017	839.95	1731.1	891.15	891.15	0	0	0	Due to change in land acquisition act, rate of land increased abruptly
C-Works	2003	855.75	2,121.59	1,265.84	1,265.84	0	0	0	Originally C-Works consisted raising Baraudha Pickup weir, head sluices at Adwa Dam, Meja Dam and Jirgo Dam. Adwa Barrage has not been proposed.
	2010	4,001.16	8,071.55	4,070.39	1,536.5	219.5	2,314.39	0	Provision has been made as per design.
	2017	8,071.55	1,0840.04	2,768.49	2,768.49	0	0	0	Provision has been made as per design but due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
D-Regulator	2003	137.94	491.2	353.26	231.77	138.28	0	0	Escape increased from two to three
	2010	655.31	1269.15	613.84	189.16	0	235.52	189.16	18 nos. regulator is provided in place of 15 Nos.
	2017	1,269.15	2,884.68	1,615.53	1,615.53	0	0	0	Due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
E-Fall	2003	380.99	233.72	-147.27	0	0	0	0	No change
	2010	1,544.29	1,907.34	363.05	80.43	0	0	282.62	32 Nos. fall is provided as per

Sub-Head	Year in which project revised	Previous cost	Revised Cost	Variation (+) or (-)	Variation due to				Remarks
					Price escalation	Inadequate provision	Change in design	Additional requirements	
1	2	3	4	5	6	7	8	9	10
									requirement of side condition in place of 29 Nos.
	2017	1,907.34	3,022.84	1,115.5	1,115.5	0	0	0	Due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
F-Cross Drainage work	2003	418.76	7,930.64	7,511.88	644.63	6,867.23	0	0	Drainage crossing increased from 61 to 136
	2010	33,637.92	61,687.63	28,049.71	9,898.75	6,128.74	5,896.31	6,125.91	300 Nos. Cross Drainage is provided in place of 216 Nos.
	2017	61,687.63	66,467.32	4,779.69	4,779.69	0	0	0	Due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
G-Bridges	2003	102.01	1,023.31	921.3	430.74	290.34	200.22	0	Bridges increased from 36 to 47.
	2010	3,338.92	7,319.23	3,980.31	1,585.15	1,028.60	0	1,366.56	245 Nos. bridges is provided in place of 192 Nos.
	2017	7,319.23	10,547.20	3,227.97	3,227.97	0	0	0	Due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
H-Escape	2003	237.96	354.62	116.66	116.66	0	0	0	Escape length reduced from Km 6.00 to Km 4.69
	2010	2,194.11	5,115.10	2,920.99	1,033.61	147.66	0	1,739.72	29 Nos. Escape is provided in place of 24 Nos.
	2017	5,115.10	7,158.66	2,043.56	2,043.56	0	0	0	Due to insufficient flow of budget works could not completed timely and remains incomplete. Due to rise in price index cost of work increased.
K-Building	2003	55.14	154.59	99.45	82.71	16.74	0	0	Originally 62 no. buildings were proposed, now no. of buildings has been increased to 74 no. due to increase of works and requirement.

Sub-Head	Year in which project revised	Previous cost	Revised Cost	Variation (+) or (-)	Variation due to				Remarks
					Price escalation	Inadequate provision	Change in design	Additional requirements	
1	2	3	4	5	6	7	8	9	10
	2010	2,361.98	2,589.5	227.52	68.26	159.26	0	0	Buildings have been taken as per CWC guideline.
	2017	2589.5	2639.66	50.16	0	0	50.16	0	Buildings have been taken as per CWC guideline.
L-(i) Earth work	2003	6,302.53	15,660.12	9,357.59	8,531.48	330.44	495.67	0	Quantity of work increased from 99.11 lac cum to 174.55 lac cum.
	2010	41,499.32	59,522.84	18,023.52	3,674.26	0	10,761.95	3,587.31	Due to change in depth of MJLC and increase in width of left bank from 3.85 M to 6.00 M
	2017	59,522.84	55,249.53	-4,273.31	0	0	0	0	Provision has been made as per requirement
L-(ii) Lining	2003	4,040.71	15,140.98	11,100.27	7,584.13	2,221.11	1,295.09	0	Due to change in design and quantity of CC lining.
	2010	32,462.58	55,233.88	22,771.3	8,106.34	1,926.44	11,580.48	1,158.04	Mainly cost has increased due to provision of R.C.C. lining and price rise. At the same time the length of slope stabilization is 17.0 KM.
	2017	55,233.88	80,419.57	25,185.69	0	0	25,185.69	0	Mainly cost has increased due to provision of R.C.C. lining and structural Lining & Trough Work.
L-(iii) Service Road	2003	243.28	348.43	105.15	109.42	65.42	0	0	Service road increased from Km. 18.50 to Km 30.60.
	2010	2,713.29	4,927.19	2,213.9	727.45	1,274.10	0	212.35	190.498 Km. painted road is provided in place of 130.963 Km.
	2017	4,927.19	727.36	-4,199.83	0	0	0	0	Provision has been made as per requirement
L-(iv) Tunnel	2003	393	2,120.63	1,727.63	589.5	569.06	569.07	0	Due to change in design.
	2010	2,643.17	3,710.25	1,067.08	373.48	53.35	0	640.25	As indicated due to price rise and inadequate design.
	2017	3,710.25	5,174.05	1,463.8	0	1,463.8	0	0	As indicated due to price rise and inadequate design. But due to insufficient flow of budget works could not completed timely and remains

Sub-Head	Year in which project revised	Previous cost	Revised Cost	Variation (+) or (-)	Variation due to				Remarks
					Price escalation	Inadequate provision	Change in design	Additional requirements	
1	2	3	4	5	6	7	8	9	10
									incomplete. Due to rise in price index cost of work increased.
M-Plantation	2003	50.7	104.04	53.34	41.99	11.35	0	0	As per latest norms of CWC and interest towards environments.
	2010	239.91	461.33	221.42	39.86	181.56	0	0	Provision has been made as per requirement.
	2017	461.33	269.24	-192.09	0				Provision has been made as per requirement
O-Miscellaneous	2003	328.15	1,589.87	1,261.72	426.57	835.16	0	0	Taken as per latest guidelines of CWC.
	2010	2,479.24	3,855.12	1,375.88	277.36	1,098.52	0	0	Provision has been made as per norms of C.W.C.
	2017	3,855.12	3,481.94	-373.18	0	0	0	0	Provision has been made as per requirement
P-Maintenance	2003	9.63	21.76	12.13	12.13	0	0	0	Taken as per latest guidelines of CWC.
	2010	1,323.69	1,328.45	4.76	4.76	0	0	0	Provision has been made as per norms of C.W.C.
	2017	1,328.45	1,669.38	340.93	340.93	0	0	0	Provision has been made as per norms of C.W.C. Due to rise in price index cost of work increased.
Q-Special T&P	2003	22.42	11.1	-11.32	0	0	0	0	As per latest sanction of CWC. New equipment's need not be purchased.
	2010	169.12	169.12	0	0	0	0	0	Previously old equipment laying in the department were considered to be used which have new achieved their hours so some new equipment have been proposed.
	2017	169.12	169.12	0	0	0	0	0	-
R-Communication	2003	72.5	254.01	181.51	108.75	7.96	64.8	0	Three nos. of helipads have been added in addition to diversion of National highway and as per latest norms of CWC.
	2010	433.75	1,791.71	1,357.96	412.94	134.99	0	810.03	10.213 Km. construction are painted road in place of 2.528 Km.
	2017	1791.71	809.14	-982.57	0	0	0	0	Provision has been

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Sub-Head	Year in which project revised	Previous cost	Revised Cost	Variation (+) or (-)	Variation due to				Remarks
					Price escalation	Inadequate provision	Change in design	Additional requirements	
1	2	3	4	5	6	7	8	9	10
									made as per requirement
U-Dys and Minors	2003	0	0	0	0	0	0	0	-
	2010	2,427.73	3,293.00	865.27	173.05	346.11	346.11	0	Provision has been made as per design.
	2017	3293	9,578.34	6,285.34	0	6285.34	0	0	Provision has been made as per requirement. Due to rise in price index cost of work increased
V-Water courses	2003	0	0	0	0	0	0	0	-
	2010	800.72	1,199.71	398.99	71.82	327.17	0	0	Due to price rise and inadequate provision.
	2017	1,199.71	1,737.10	537.39	0	537.39	0	0	Provision has been made as per requirement. Due to rise in price index cost of work increased
X- Environment & Ecology	2003	17.1	50.43	33.33	25.65	7.68	0	0	As per latest norms of CWC
	2010	10,081.60	12,187.75	2,106.15	118.93	541.79	0	1,445.43	Provision has been made as per recommendation of I.B.W.L. of Govt. of India.
	2017	12,187.00	11,161.46	-1,025.54	0	0	0	0	Provision has been made as per requirement
Y- Losses on Stock	2003	2.41	5.44	3.03	3.03	0	0	0	As per norms
	2010	330.93	208.55	-122.38	0	0	0	0	-
	2017	208.55	676.13	467.58	467.58	0	0	0	Provision has been made as per requirement. Due to rise in price index cost of work increased
Total	2003	13,758.78	49,072.70	35,313.92	20,641.09	12,279.71	2,624.85	0	-
	2010	1,47,229.17	2,38,479.17	91,250.00	28,672.53	14,007.71	31,134.76	17,557.38	
	2017	2,38,478.42	2,78,216.77	39,738.35	17,262.49	8,286.53	25,235.85	0	

Appendix-2.2
Variation in quantities executed over and above the quantities approved in the DPR
(revised in 2011-12) of Lahchura Dam Project
(Reference: Paragraph no. 2.3.1)

Item of Work	C-Civil Work	Arjun Feeder Canal Head Regulator	Dhasan Head Regulator	Afflux Bund	Construction of Link Channel	Total Qty. as per last revised DPR-2011-12	Qty. Executed Up-to-date	Qty. Executed Excess Over Last Revised DPR (2011-12)	Qty.	Rate	Amount (₹)
Site Clearance	69000	0	0	0	0	69000	87033.5	18033.5	18033.5	162	2921430.24
Total											2921430.24
RCC 1:1:2	50360	0	0	0	0	50360	56853.8	6493.76	4206.9	4024.3	16929827.67
									2286.86	3656.3	8361446.22
Total											25291273.89
1:2:4 in wearing coat	360	0	0	0	0	360	7357.4	6997.4	1056.17	2458.2	2596277.09
									2154.82	2859.7	6162138.75
									132.54	3152.4	417819.1
									1230.29	3327.8	4094159.06
									2163.03	3447.5	7457045.93
								260.55	3804	991132.2	
Total											21718572.13
Earth Work in Embankment	4.72	0	0	209550	0	209555	1422181	1212626	103799	230.6	23936093.21
									49165.1	169.8	8348240.77
									290266	209.4	60781595.7
									129249	216.3	27956645.22
									219374	221.9	48679157.17
									157401	252.8	39791073.92
								249535	243.1	60661958.5	
								13836	265	3666540	
Total											273821304.5
Grand Total											323752580.8
Or say											₹ 32.38 crore

(Source: DPR and final bill)

Appendix-2.3**Appurtenant works of Lahchura Dam project executed at higher rates***(Reference: Paragraph no. 2.3.1)*

Item of work	Rates as per estimate of Modernisation of Lahchura Dam (₹)	Rates as per execution of appurtenant works (₹)	Difference in rates (₹)	Quantity executed for appurtenant works	Avoidable payment to contractor for appurtenant works (₹)
Earth work in common excavation	203.60	226.30	22.70	108915 cum	2472370.50
Drilling 75 mm dia hole	751.00	1,688.00	937.00	210 RM	196770.00
C.C. 1:2:4	3,732.90	3,967.25	234.35	6303.30 cum	1477178.36
Back filling	221.90	277.60	55.70	235368.40 cum	13110017.65
Total					1,72,56,336.51
					Or say ₹ 1.73 crore

(Source: DPR and final bill)

Appendix-3.1
Year-wise allotment and expenditure thereagainst under BCP
(Reference: Paragraph no. 3.2.1.1)

(₹ in lakh)

Year	Provision	Allotment	Release	Expenditure
1996-97	10,014.26	10,909.39	10,909.39	10,909.39
1997-98	6,024.00	6,024.00	6,024.00	6,024.00
1998-99	4,420.00	4,420.00	4,420.00	4,420.00
1999-2000	3,072.00	3,072.00	3,072.00	3,072.00
2000-2001	6,870.72	6,870.72	6,870.72	6,870.72
2001-2002	5,260.37	5,260.37	5,260.37	5,260.37
2002-2003	5,262.98	5,262.98	5,262.98	5,262.98
2003-2004	6,009.87	6,009.87	6,009.87	6,009.87
2004-2005	5,321.15	5,321.15	5,321.15	5,321.15
2005-2006	16,057.22	16,057.22	16,057.22	16,057.22
2006-2007	24,634.98	24,634.98	24,634.98	24,634.98
2007-2008	27,605.64	27,605.64	27,605.64	27,605.64
2008-2009	36,836.20	36,836.20	36,836.20	36,836.20
2009-2010	24,006.75	24,006.75	24,006.75	24,006.75
2010-2011	44,060.00	11,040.00	11,040.00	11,040.00
2011-2012	27,500.00	27,500.00	27,500.00	27,500.00
2012-2013	13,742.25	13,742.25	13,742.25	13,742.25
2013-2014	25,000.00	13,400.00	13,400.00	13,400.00
2014-2015	24,800.00	16,519.00	16,519.00	16,519.00
2015-2016	20,000.00	11,000.00	11,000.00	11,000.00
2016-2017	30,000.00	19,700.00	19,700.00	19,700.00
2017-2018	30,000.00	19,698.48	19,698.48	19,698.48
2018-2019	12,200.00	18,200.00	18,200.00	18,076.00
2019-2020	12,200.00	5,050.00	5,050.00	5,050.00
2020-2021	9,057.00	3,920.00	3,920.00	3,920.00
Total		3,42,061.00	3,42,061.00	3,41,937.00
		or say	₹ 3,420.61 crore	₹ 3,419.37 crore

(Source: Information collected from CE, BCP, Prayagraj)

Appendix-3.2
Details of additional quantities/new item of works included
in the new Bill of Quantity in BCP
(Reference: Paragraph no. 3.3.1)

(₹ in crore)

Sl. No.	Old agreement no.	BoQ in new agreement	Total no. of items	Extra value of work awarded	Total no. of items more than 10 per cent	In per cent
1.	05/SE/2006-07	11000/BS/02/LNG	18	2.92	10	14 to 539
2.	46/SE/2007-08	46200/MJ/05/AQD	18	0.28	09	17 to 150
3.	47/SE/2007-08	67800/MJ/05/AQD	14	0.15	08	11 to 100
4.	54/SE/2007-08	44800/MJ/05/DRX	18	0.05	06	20 to 116
5.	09/SE/2008-09	54530/MJ/11/DRX	02	0.19	02	61 to 196
6.	15/SE/2008-09	55175/MJ/11/DRX	06	0.93	06	14 to 188
7.	02/SE/2009-10	59018/MJ/11/DRX	08	0.76	08	26 to 838 & 5712
Total				5.28		

(Source: Information collected from divisions)

Appendix-3.3
Non-forfeiture of security deposit in rescinded contracts in BCP
(Reference: Paragraph no. 3.3.1.1)

(₹ in lakh)

Sl. No.	New BoQ No.	New BoQ Cost	Details of old agreement							
			Old BoQ no.	Old BoQ Cost	Scheduled date of start	Scheduled date of completion	Date of resigning the agreement	Security Deposit details		
								Security deposited by the contractor	Security forfeited by the Dept.	Security released by the Dept.
1.	44800/MJ/05/SPG	58.15	54/SE/07-08	75.50	25.02.2008	24.02.2009	12.07.2012	7.6	NA	NA
2.	42800/MJ/05/DRX	481.53	01/SE/08-09	302.60	19.04.2008	18.04.2009	12.07.2012	30.6	NA	NA
3.	43200/MJ/05/DRX	160.56	02/SE/08-09	90.53	15.09.2008	14.09.2009	12.07.2012	9.05	NA	9.05
4.	47200/MJ/05/PRB	239.27	03/SE/08-09	172.46	15.09.2008	14.09.2009	12.07.2012	11	NA	11.00
5.	54530/MJ/11/DRX	87.04	09/SE/2008-09	43.74	02.03.2009	01-03-2010	06-11-2012	6.00	Nil	Nil
6.	55175/MJ/11/DRX	242.13	15/SE/2008-09	97.95	02.03.2009	01-03-2010	06-11-2012	7.00	Nil	Nil
7.	59018/MJ/11/DRX	139.45	02/SE-2009-10	95.20	10.06.2009	09-06-2010	06-11-2012	6.80	Nil	Nil
8.	64400/MJ/11/DRX	104.82	03/SE/2009-10	57.33	20.06.2009	19-06-2010	06-11-2012	4.87	Nil	Nil
9.	11000/BS/02/LNG	--	06/SE/06-07	516.95	01.10.2006	30.09.2007	20.04.2013	51.70	NA	NA
10.	NA	--	15/SE/08-09	83.11	28.02.2009	27.08.2009	02.05.2013	32.91	NA	NA
11.	NA	--	12/SE/08-09	94.81	28.02.2009	27.06.2009	02.05.2013	6.75	NA	NA
Total								174.28		

(Source: Information collected from divisions) (NA-Not Made Available)

Appendix-3.4
Irregular grant of secured advance paid to RPPL
(Reference: Paragraph no. 3.4.4)

(in ₹)

Sl. No.	Name of work	Amount of secured advance	Voucher no. and date of secured advance paid	Amount of secured advance recovered
EE, BCCD-5, Mirzapur				
1	Construction of lining from Km. 64.600 to Km. 71.130 of MJLC	63,27,766.00	135/28.02.2015	63,27,766.00
2	Construction of lining from Km. 00.000 to Km. 14.500 of AMLC	3,53,39,718.00	01/02.07.2013	3,53,39,718.00
3	Construction of Lining from Km 11.000 to Km 23.675 of BSFC	1,43,37,587.25	07/22.12.2014	1,43,37,587.25
4	Construction of Lining from Km 11.000 to Km 23.675 of BSFC	1,51,97,026.95	01/03.10.2015	1,51,97,026.95
	Total	7,12,02,098.25		
EE, BCCD-7, Mirzapur				
5	Construction of aqueduct at Km. 67.800 MJLC	3,73,900.00	05/26.06.2015	3,73,900.00
6	Construction of canal X-ing at Km. 68.180 of MJLC	1,51,034.00	NA	1,51,034.00
7	Lining of MJLC from Km 19.500 to Km 26.500	24,30,000.00	63/28.02.2015	24,30,000.00
8	Lining of MJLC from Km 19.500 to Km 26.500	48,69,742.00	62/30.03.2015	48,69,742.00
9	Lining of BSFC from Km. 39.950 to Km. 44.915	1,12,52,394.00	22/30.03.2015	112,52,394.00
10	Construction of lining from Km. 5.765 to Km. 9.330 of MJLC	16,71,307.00	59/31.03.2015	16,71,307.00
11	Construction of lining from Km. 2.215 to Km. 5.765 of MJLC	57,16,505.00	110/31.03.2015	57,16,505.00
	Total	2,64,64,882.00		
EE, BCCD-8, Mirzapur				
12	RCC lining from Km. 1.475 to Km. 2.655 of Meja Kota (MK) Dy.	52,00,000.00	12/28.12.2017	52,00,000.00
13	RCC lining from Km. 0.000 to Km. 3.577 of Meja Kota Feeder Channel (MKFC)	21,00,000.00	30/03.02.2018	21,00,000.00
14	Construction of VRB at Km. 70.095 of MJLC	32,50,000.00	530/31.03.2017	32,50,000.00
15	Construction of escape and escape channel at Km. 9.950 of MJLC	38,50,000.00	57/28.02.2015	38,50,000.00
16		58,00,000.00	528/31.03.2017	58,00,000.00
17	RCC lining from Km. 55.600 to Km. 64.600 of MJLC	1,50,00,000.00	234/31.03.2015	1,50,00,000.00
18	RCC lining between Km. 9.330 to Km. 13.008 of MJLC	92,00,000.00	45/25.02.2015	92,00,000.00
19	RCC lining from Km. 13.000 to Km. 19.500 of MJLC	35,00,000.00	156/23.02.2016	35,00,000.00
20	RCC lining between Km. 10.400 to Km. 11.000 of MJLC	72,00,000.00	46/25.02.2015	72,00,000.00
	Total	5,51,00,000.00		
	Grand Total	15,27,66,980.25 Say ₹ 15.28 crore		

(Source: Data collected from divisions)

Appendix 3.5
Details showing variations in quantities in BCP
(Reference: Paragraph no. 3.5)

(₹ in)

Sl. No.	Name of work	Estimated cost	Agreement Cost	Work Done Amount	Variation	Extra Item	Variation + extra item	Total variation in Percent	Total no. of BOQ
1	28065 MJ/07/SPG	162.4	165.78	1610.71	1448.31	0	1448.31	892	12
2	45845/MJ/05/CLX	13.12	13.11	71.15	58.03	10.19	68.22	520	
3	25025 AM/02/AQD	229.58	229.68	1117.37	887.79	209.78	1097.57	478	
4	19000 AM/02/LNG	2,090.67	2,027.93	2027.93	-62.74	7171.82	7109.08	340	
5	11000BS/02/LNG	3,142.91	3,418.96	4586.8	1443.89	3402.87	4846.76	154	
6	01445 MK/06/GLX	16.64	17.15	40.16	23.52	0	23.52	141	
7	51200/MJ/10/FAL	26.25	27.93	24.79	-1.46	37.78	36.32	138	
8	00000MJ/05/LNG	140.64	133.4	60.39	-80.25	262.89	182.64	130	
9	52715/BS/05/LNG	253.51	261.79	560.55	307.04	0	307.04	121	
10	47585/MJ/05/GLX	13.67	13.88	29.64	15.97	0	15.97	117	
11	42940/MJ/05/VRB	136.16	142.05	288.32	152.16	0	152.16	112	
12	47340/MJ/05/CLX	159.68	158.04	325.17	165.49	4.06	169.55	106	
13	13025 /MJ/08/EWK	172.19	171.29	341.5	169.31	0	169.31	98	12
14	59915BS/08/LNG	523.07	593.13	591.43	68.36	406.99	475.35	91	
15	25600 AM/02/TFL	1649.6	1,665.34	3021.53	1371.93	6.24	1378.17	84	
16	64600/MJ/05/LNG	614.1	592.88	667.46	53.36	457.91	511.27	83	
17	16700 AM/04/LNG	761.05	755.11	755.11	-5.94	635.18	629.24	83	
18	10400BS/01/LNG	237.64	218.92	244.99	7.35	184.82	192.17	81	
19	00000 MK/06/LNG	907.01	910.27	1199.17	292.16	389.94	682.1	75	
20	38320/MJ/05/VRB	35.1	34.85	57.03	21.93	2.17	24.1	69	
21	09950MJ/01/ESC	485.42	486.41	808.62	323.2	1.17	324.37	67	
22	68000/MJ/05/EWK	279.44	280	417.9	138.46	29.87	168.33	60	
23	36105/MJ/05/LNG	749.84	733.57	993.29	243.45	167.95	411.4	55	
24	59018 MJ/11/DRX	138.56	139.44	165.6	27.04	42.34	69.38	50	
25	00300 MK/06/GLX	19.35	19.83	27.36	8.01	1.09	9.1	47	19
26	40905/MJ/05/VRB	63.85	62.8	91.56	27.71	1.81	29.52	46	
27	42000/MJ/05/EWK	1,208.04	1,221.78	1759.27	551.23	0	551.23	46	
28	39950 BS/07/LNG	1,646.67	1,775.63	1948.15	301.48	408.12	709.6	43	
29	00150 MK/06/GLX	20.22	21.06	27.57	7.35	1.31	8.66	43	
30	10540MJ/01/EWK	20.84	20.8	28.27	7.43	0	7.43	36	
31	29930 MJ/07/VRB	66.79	67.42	83.76	16.97	0.55	17.52	26	
32	32060 MJ/07/AQD	302.97	323.47	312.93	9.96	61.99	71.95	24	
33	14470/MJ/08/GLX,	25.2	27.81	31.15	5.95	0	5.95	24	

Performance Audit of Outcomes in Surface Irrigation of Bansagar Canal Project and Lahchura Dam Project

34, 35	16350/MJ/08/GLX, 16149/MJ/08/GLX								
36	43200/MJ/05/DRX	163.56	160.56	201.82	38.26	0	38.26	23	
37	00000/MJ/05/HRG	347.43	358.12	280.46	-66.974627	141.23	74.255373	21	
38	44915 BS/06/LNG	1,023.98	1,111.86	1203.38	179.4	39.36	218.76	21	
39	44605/MJ/05/VRB	112.21	111.57	135.94	23.73	0	23.73	21	
40	47200/MJ/05/PRB	244.78	239.27	276.58	31.8	18.58	50.38	21	
41	65280/MJ/05/VRB	65.24	65.12	71.47	6.23	5.2	11.43	18	
42	00000 AM/03/LNG	3,184.88	3,158.72	3432.39	247.51	230.66	478.17	15	
43	69000/MJ/05/DRX	48.7	47.2	54.06	5.36	0	5.36	11	
Total		21,502.96	21,983.93	29,972.73	8469.765	14333.87	22803.64	892 to 11	43
					Say	Say	Say		
					₹ 84.70	143.3	228		

Appendix 3.6
Details of variations in quantities in appurtenant works of Lahchura Dam project
(Reference: Paragraph no. 3.5)

Item No. of BOQ of Contract Bond	Name of Item	Unit	Bonded Qty.	Executed Qty.	Rate	Difference in Qty.	Amount (₹)	% Variation
1	Earth work in common excavation in all type strata excluding hard rock & granite rock including disposal all lead and lift & T & P etc. for proper completion of job.	Cum	48461	108915	226.30	60454	1,36,80,740.20	125
2	Anchoring above 25 mm dia steel bar in 100 mm/75 mm dia holes with 1:2 cement and grout assuming cement consumption of 13.75 bags/cum including washing of holes with water jet, cutting grouting and fixing steel bar including cost of all material, labour and T&P.	Mt	1	1.26	60021.00	0.26	15,605.46	26
3	Drilling 75 mm/100 mm dia holes including cost of all material, labour and T&P.	Rm	113	210	1688.00	97	1,63,736.00	86
6	Earth work in common filling in embankment including mechanical compaction & dressing & watching with weighted average land 2.00 km & all lift for proper compaction of job excavation in all type strata excluding hard rock & granite rock including disposal all lead and lift & T & P etc. for proper completion of job.	Cum	156161	235368	277.60	79207.36	2,19,87,963.14	51
40	Earth work in cutting filling/levelling in Mar, Kabar rankar and kankar mixed soil lead upto 195 mm and initial lift including cost of all material, labour and T&P.	Cum	31083	43570	120.80	12487.03	15,08,433.224	40
Total							3,73,56,478.02	
							or say ₹ 3.74 crore	

(Source: Information collected from divisions)

Appendix 3.7
Details showing variation in quantities in the work
of Adwa Barrage in BCP
(Reference: Paragraph no. 3.5)

Variation in value of work (in per cent)	Increase in payment for minus variation (in per cent)	Decrease in payment for plus variation (in per cent)
Above 20 upto 25	2.50	1.25
Above 25 upto 30	5.00	2.50
Above 30 upto 35	6.25	3.13
Above 35 upto 60	8.00	4.00
Above 60 upto 100	10.00	5.00

(Source: Information collected from divisions)

Appendix 3.8 (A)
Details of year-wise testing of samples
(Reference: Paragraph no. 3.7)

Year	Types of test	Total number of samples tested	No. of failed sample
2013-14	Cube test	1283	174
	Sieve test	78	11
	Soil test	15	0
2014-15	Cube test	852	97
	Sieve test	35	5
	Cement test	2	0
	Soil test	6	0
2015-16	Cube test	420	9
	Sieve test	26	0
2016-17	Cube test	387	33
	Soil test	12	0
	Brick test	4	2
	Sieve test	14	0
2017-18	Cube test	1697	21
	Cement test	1	0
	Soil test	18	0
	Sieve test	23	12
2018-19	Cube test	804	3
	Sieve test	23	0
	Soil test	11	0
	Cement test	2	0
	Brick test	2	2
2019-20	Cube test	160	0
	Sieve test	3	0
Total	Cube test	5603	337
	Sieve test	202	28
	Cement test	05	00
	Soil test	62	00
	Brick test	06	04

(Source: Data collected from EE, QCD, Prayagraj)

Appendix 3.8 (B)
Details of Cube test conducted by Quality Control Division, BCP
(Reference: Paragraph no. 3.7)

Sl. No	Name of work	Quantity of concrete work (M ³)	No. of samples to be taken as per norm	No. samples taken & tested	Short fall	Short fall in per cent
1	Lining of AMLC from Km 0.000 to 14.500	214130.653	4285	60	4225	98.6
2	CC lining from Km 5.765 to 9.330 of MJLC	52945.795	1062	30	1032	97.18
3	Lining of BSFC from Km 11.000 to 23.675	162631.46	3255	103	3152	96.84
4	Lining between Km 27.898 to 28.790 & lining between Km 28.790 to 29.150 of B.S.F.C.	12215.98	247	9	238	96.36
5	CC lining from Km 39.950 to 42.450 of BSFC	78994.257	1582	63	1519	96.02
6	CC lining from Km 19.000 to 25.600 of AMLC	149175.51	2986	120	2866	95.98
7	CC lining from Km 9.330 to 13.008 of MJLC	53680.198	1076	48	1028	95.54
8	Construction of barrel Aqueduct at Km 25.025 of AMLC	9225.516	187	12	175	93.58
9	CC lining from Km 48.230 to 55.555 of MJLC	40943	821	57	764	93.06
10	Construction of remaining lining of BSFC from Km 44.915 to 46.415 & from Km 46.915 to 52.715	67133	1345	113	1232	91.6
11	CC lining from Km 2.215 to 5.765 of MJLC	18157.309	366	33	333	90.98
12	CC lining from Km 19.500 to 26.500 of MJLC	15676.44	316	30	286	90.51
13	R/slope Adwa Meja link channel from Km.16.700 to 19.000	59089.87	1184	120	1064	89.86
14	Construction of head regulator at Km 0.000 of MJLC	5638.999	115	21	94	81.74
15	Lining work of Meja Kota Feeder Channel Km 0.00 to 3.577	48405.054	971	243	728	74.97
16	Construction of Drainage Crossing at Km. 59.018 of M.J.L.C.	1554.53	34	9	25	73.53
17	Construction of Adwa Barrage	65865.73	1320	351	969	73.41
18	Lining of MJLC between Km 26.500 to 36.000 and construction of super passage at Km 35.845	21731.96	437	119	318	72.77
19	Construction of fall at Km 25.600 of AMLC	23872.61	480	180	300	62.5
20	Construction of wild animal Xing at Km 24.600 of AMLC	882.25	20	9	11	55
21	Construction of DRB at Km 25.340 of AMLC	539.31	13	6	7	53.85
22	Construction of Drainage Crossing at Km. 44.800 of M.J.L.C.	416.65	11	6	5	45.45
23	Construction of escape work at Km 9.950 of MJLC	8240.678	167	96	71	42.51
24	Construction of D Xing at Km 45.845 of MJLC	895.46	20	12	8	40

(Source: Data collected from EE, QCD, Prayagraj)

Appendix-3.9
Requirement of fund for operation and maintenance of canals
(Reference: Paragraph no. 3.8)

Sl. No.	Name of Canal System	Category of canal	Total PPA (in ha.)	Requirement of fund as per norm (₹ in lakh)
Bansagar Canal Project, Uttar Pradesh				
1	Belan Canal System	Main	45925	449.51
		Branch		
		Dy.		
		Minor		
2	Lower Khajuri Canal System	Main	1060	10.38
		Branch		
		Dy.		
		Minor		
3	Baraudha Dy. Command	Main	10006	97.94
		Branch		
		Dy.		
		Minor		
4	Adwa Sukhara Canal System	Main	7259	71.05
		Branch		
		Dy.		
		Minor		
5	Harrai Canal System	Main	965	9.45
		Branch		
		Dy.		
		Minor		
6	Jirgo Canal System	Main	2846	27.86
		Branch		
		Dy.		
		Minor		
7	Garai Canal System	Main	6552	64.13
		Branch		
		Dy.		
		Minor		
8	Tons Pump Canal System	Main	18339	179.50
		Branch		
9	Yamuna Pump Canal System	Dy.	29730	270.20
		Minor		
			Total	2000.39
1	Dhasan Canal System	Main	17655	172.81
		Branch		
		Dy.		
		Minor		
			Total	327.62

(Source :- Data collected form divisions)

Appendix-3.10

Status of operation and maintenance of selected canals

(Reference: Paragraph no. 3.8)

(₹ In lakh)

Sl. No.	Name of canal system	Name of selected canals	Category of canals	Total length of canals (In Kms)	Total CCA of the canals (In Ha.)	Total PPA of the canals (In Ha.)	Yearly requirement of fund for O&M as per norm	Status of operation and maintenance of selected canals													
								2014-15		2015-16		2016-17		2017-18		2018-19		2019-20		2020-21	
								Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Belan Canal System	Umri	Minor	2.200	405	476	4.33	0.000	0.00	0.000	0.00	0.345	3.86	NA	0.36	0.090	2.14	2.200	0.91	2.200	0.44
2		Badhwari	Minor	2.600	162	272	2.47	NA	0.17	NA	0.16	NA	0.36	NA	0.57	NA	0.33	3.200	1.25	2.600	0.50
3		Sipaua	Minor	3.700	225	264	2.40	0.000	0.00	NA	0.17	NA	0.13	NA	0.16	NA	0.16	3.590	0.95	3.700	0.77
4		Mahuli	Minor	1.300	122	206	1.87	NA	0.18	0.000	0.00	NA	0.16	NA	0.18	0.000	0.00	2.400	0.63	0.000	0.00
5		Dasauti	Minor	2.100	208	260	2.36	0.000	0.00	0.000	0.00	0.000	0.00	NA	0.17	0.000	0.00	2.100	0.61	2.100	0.20
6		Barethi	Minor	5.100	587	496	4.51	NA	0.18	NA	0.16	5.100	6.85	0.000	0.00	NA	0.14	5.100	1.18	0.000	0.00
7		Garan	Minor	1.600	243	144	1.31	0.000	0.00	0.000	0.00	0.000	0.00	NA	0.17	NA	0.14	1.600	0.52	1.600	0.32
8		Belwania	Minor	22.200	4030	4726	42.95	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
9	Lower Khajuri Canal System	Bharuhana	Minor	1.000	74	55	0.50	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	1.000	0.21	0.000	0.00
10	Dhasan Canal System	Bilgaon	Minor	2.815	500	219	1.99	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	2.800	0.66	0.000	0.00
11		Beera	Minor	6.236	662	292	2.65	0.000	0.00	0.000	0.00	0.000	0.00	4.200	0.77	4.000	1.19	2.000	1.86	0.000	0.00
12		Gugarwara	Minor	1.600	231	104	0.95	0.000	0.00	0.000	0.00	1.000	0.99	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
13		Masoodpura	Minor	1.400	187	95	0.86	1.600	0.35	0.000	0.00	0.000	0.00	1.100	0.37	0.000	0.00	1.400	0.28	1.400	0.49
14		Dhanauri	Minor	2.800	570	230	2.09	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	2.800	0.90	2.800	1.49	0.000	0.00
15		Itailia	Minor	4.260	536	172	1.56	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
16	Harrai Canal System	Veerpur	Minor	5.700	489	392	3.56	0.000	0.00	5.700	1.38	5.700	1.55	0.000	0.00	3.900	1.10	0.000	0.00	0.000	0.00
17	Adwa Sukhra Canal System	Barahula	Minor	3.080	361	288	2.62	3.200	0.68	3.200	0.79	0.000	0.00	3.200	0.83	3.200	0.85	3.200	0.40	0.000	0.00
18		Banwa	Minor	2.500	91	73	0.66	0.000	0.00	2.048	0.51	2.048	0.78	0.000	0.00	2.048	0.51	2.048	0.37	2.048	0.48
19	Baraundha Dy.	Jhingha	Minor	2.011	305	245	2.23	0.000	0.00	2.110	0.51	2.110	0.66	2.100	0.34	2.000	0.55	2.000	0.32	2.000	0.29

Sl. No.	Name of canal system	Name of selected canals	Category of canals	Total length of canals (In Kms)	Total CCA of the canals (In Ha.)	Total PPA of the canals (In Ha.)	Yearly requirement of fund for O&M as per norm	Status of operation and maintenance of selected canals													
								2014-15		2015-16		2016-17		2017-18		2018-19		2019-20		2020-21	
								Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure	Length of canals	Expenditure
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
20	Command	Mahular	Minor	2.100	155	125	1.14	0.000	0.00	0.000	0.00	2.200	0.51	2.200	0.31	2.200	0.78	2.200	0.35	2.200	0.44
21	Jirgo Canal System	Gharwaspur	Minor	2.010	241	241	2.19	0.000	0.00	0.000	0.00	0.900	1.75	2.100	4.37	2.100	2.17	2.010	0.41	2.000	0.42
22		Gaurahi	Minor	2.100	174	174	1.58	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	2.100	1.55	0.000	0.00	0.900	1.32
23	Garai Canal System	Chandratali	Minor	3.000	81	81	0.74	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	3.000	2.70	0.000	0.00	0.000	0.00
24		Kakrahi	Minor	1.600	138	138	1.25	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	1.600	0.35
25	Tons Pump Canal System	Siddhtiket	Minor	1.407	206	200	1.82	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	NA	0.49	NA	0.35
26		Garaiya 1	Minor	2.000	194	189	1.72	0.00	0.00	0.00	0	0.00	0	NA	0.69	0.00	0	NA	0.74	0.00	0
27		Bansi	Minor	1.609	156	152	1.38	0.00	0.00	0.00	0	NA	0.2	NA	0.41	NA	2.47	NA	0.71	NA	0.36
28		Lotadh	Minor	3.400	302	24	0.22	NA	0.15	NA	0.12	0.00	0	NA	0.00	NA	1.97	NA	1.24	NA	2.43
29	Yamuna Pump Canal System	Niriya	Minor	4.800	910	1001	9.10	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	NA	1.22	0.00	0

(Source: Data collected from divisions), NA-Not available

Appendix 4.1 (A)
Details showing insufficient release of water in test checked canals of BCP (Kharif)
(Reference: Paragraph no. 4.4.3)

Year	Name of the system	Name of selected Minor	Area Irrigated (Ha)	Water Flow worked out by Audit (Mcft)	Height of water (inch)
2014-15	Jirgo Canal System	Gharwaspur Minor	207	16.38	8.82
	Garai Canal System	Kakrahi Minor	129	13.07	11.29
		Chandratali Minor	121	12.76	11.75
	Lower Khajuri Canal System	Bharuhana Minor	32	2.61	9.09
	Tons Pump Canal System	Sidhtikat Minor	178	17.96	11.25
	Belan Canal System	Umri Minor	220	11.44	5.80
		Badwari Minor	134	16.27	13.54
		Dasauti Minor	169	4.53	2.99
		Barethi Minor	498	30.20	6.76
		Garan Minor	133	12.30	10.31
2015-16	Jirgo Canal System	Gharwaspur Minor	207	16.75	9.02
	Garai Canal System	Kakrahi Minor	128	4.61	4.02
		Chandratali Minor	120	4.50	4.18
	Lower Khajuri Canal System	Bharuhana Minor	29	2.06	7.92
	Tons Pump Canal System	Sidhtikat Minor	178	19.44	12.18
	Belan Canal System	Umri Minor	209	13.73	7.32
		Mahuli Minor	179	14.63	9.11
		Badwari Minor	132	13.95	11.78
		Dasauti Minor	163	5.35	3.66
		Barethi Minor	495	23.42	5.27
Garan Minor	132	11.62	9.81		
2016-17	Jirgo Canal System	Gharwaspur Minor	208	12.28	6.58
	Garai Canal System	Kakrahi Minor	129	3.33	2.88
		Chandratali Minor	122	3.25	2.97
	Lower Khajuri Canal System	Bharuhana Minor	42	3.29	8.75
	Tons Pump Canal System	Sidhtikat Minor	179	17.96	11.18
	Belan Canal System	Umri Minor	210	11.90	6.32
		Badwari Minor	142	11.62	9.13
		Dasauti Minor	172	9.47	6.14
Barethi Minor		496	30.20	6.79	
Garan Minor		133	12.98	10.88	
2017-18	Jirgo Canal System	Gharwaspur Minor	207	18.61	10.02
	Garai Canal System	Kakrahi Minor	129	16.66	14.40
		Chandratali Minor	121	16.26	14.98
	Tons Pump Canal System	Sidhtikat Minor	179	17.96	11.18
	Belan Canal System	Umri Minor	211	19.22	10.16
		Mahuli Minor	184	22.09	13.39
		Badwari Minor	139	10.85	8.70
		Dasauti Minor	172	8.24	5.34
Barethi Minor		499	40.67	9.09	
Garan Minor	138	12.30	9.94		
2018-19	Jirgo Canal System	Gharwaspur Minor	205	13.59	7.39
	Garai Canal System	Kakrahi Minor	129	11.02	9.52
		Chandratali Minor	119	10.76	10.08
	Adwa Sukhra Canal System	Banwa Minor	105	11.31	12.01
	Tons Pump Canal System	Sidhtikat Minor	180	17.96	11.12
	Belan Canal System	Umri Minor	211	16.02	8.46
Mahuli Minor		185	22.72	13.69	

Year	Name of the system	Name of selected Minor	Area Irrigated (Ha)	Water Flow worked out by Audit (Mcft)	Height of water (inch)
		Badwari Minor	137	11.62	9.46
		Dasauti Minor	173	6.18	3.98
		Barethi Minor	496	30.20	6.79
		Garan Minor	138	13.67	11.04
2019-20	Jirgo Canal System	Gharwaspur Minor	220	13.40	6.79
	Garai Canal System	Kakrahi Minor	129	6.41	5.54
		Chandratali Minor	120	6.25	5.81
	Adwa Sukhra Canal System	Banwa Minor	115	10.98	10.65
	Tons Pump Canal System	Sidhtikat Minor	180	17.96	11.12
	Belan Canal System	Umri Minor	218	19.22	9.83
		Mahuli Minor	187	21.78	12.99
		Badwari Minor	137	16.27	13.24
		Dasauti Minor	64	6.18	10.76
		Barethi Minor	481	28.96	6.71
		Garan Minor	137	12.98	10.57
2020-21	Jirgo Canal System	Gharwaspur Minor	218	16.75	8.57
	Garai Canal System	Kakrahi Minor	177	9.99	6.29
		Chandratali Minor	119	9.76	9.14
	Lower Khajuri Canal System	Bharuhana Minor	41	1.37	3.73
	Adwa Sukhra Canal System	Banwa Minor	116	14.61	14.04
	Belan Canal System	Mahuli Minor	188	20.85	12.36
		Dasauti Minor	178	14.41	9.03
		Barethi Minor	363	41.29	12.68
Garan Minor		138	16.74	13.53	

(Source: Data collected from divisions)

Details showing insufficient release of water in test checked canals of BCP, (Rabi)

Year	Name of the system	Name of selected Minor	Actual Irrigation (Ha)	Actual Water Flow (Mcft)	Height of water (inch)
2014-15	Jirgo Canal System	Gharwaspur Minor	214	3.97	2.07
		Gaurahi Minor	168	8.63	5.73
	Garai Canal System	Kakrahi Minor	129	2.05	1.77
		Chandratali Minor	115	2.00	1.94
	Tons Pump Canal System	Sidhtikat Minor	184	17.96	10.88
	Belan Canal System	Umri Minor	238	13.73	6.43
		Sipaua Minor	137	10.03	8.16
		Mahuli Minor	186	17.74	10.63
		Badwari Minor	128	10.85	9.45
		Dasauti Minor	153	3.29	2.40
Barethi Minor		469	11.09	2.64	
		Garan Minor	114	10.93	10.69
2015-16	Jirgo Canal System	Gharwaspur Minor	212	3.97	2.09
		Gaurahi Minor	174	8.63	5.53
	Tons Pump Canal System	Sidhtikat Minor	185	18.12	10.92
	Belan Canal System	Mahuli Minor	185	17.11	10.31
2016-17	Jirgo Canal System	Gharwaspur Minor	212	3.77	1.98

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Year	Name of the system	Name of selected Minor	Actual Irrigation (Ha)	Actual Water Flow (Mcft)	Height of water (inch)
	Garai Canal System	Gaurahi Minor	176	8.20	5.20
		Kakrahi Minor	128	5.64	4.91
		Chandratali Minor	110	5.50	5.58
	Lower Khajuri Canal System	Bharuhana Minor	7	0.27	4.37
	Tons Pump Canal System	Sidhtikat Minor	185	20.26	12.21
	Belan Canal System	Umri Minor	231	14.64	7.07
		Sipaua Minor	135	14.21	11.74
		Mahuli Minor	186	18.67	11.19
		Badwari Minor	142	10.07	7.91
		Dasauti Minor	176	7.83	4.96
Barethi Minor		482	11.71	2.71	
Garan Minor	147	1.07	0.81		
2017-18	Jirgo Canal System	Gharwaspur Minor	200	3.77	2.10
		Gaurahi Minor	147	8.20	6.22
	Garai Canal System	Kakrahi Minor	129	2.05	1.77
		Chandratali Minor	105	2.00	2.12
	Tons Pump Canal System	Sidhtikat Minor	184	17.96	10.8
	Belan Canal System	Umri Minor	233	15.56	7.78
		Sipaua Minor	143	8.36	6.52
		Mahuli Minor	187	9.34	5.57
		Badwari Minor	129	9.30	8.04
		Dasauti Minor	170	4.12	2.70
Barethi Minor		472	12.94	3.06	
Garan Minor	117	1.15	1.10		
2018-19	Jirgo Canal System	Gharwaspur Minor	213	4.96	2.59
		Gaurahi Minor	147	10.79	8.18
	Garai Canal System	Kakrahi Minor	129	7.94	6.87
		Chandratali Minor	112	7.76	7.72
	Adwa Sukhra Canal System	Banwa Minor	109	5.82	5.95
		Barhula Minor	256	22.64	9.86
	Tons Pump Canal System	Sidhtikat Minor	185	17.96	10.82
	Belan Canal System	Umri Minor	137	13.73	11.17
		Sipaua Minor	150	11.28	8.39
		Mahuli Minor	190	14.94	8.76
Badwari Minor		131	10.07	8.57	
Dasauti Minor		157	4.94	3.51	
Barethi Minor		466	13.56	3.24	
Garan Minor	120	1.07	0.99		
2019-20	Jirgo Canal System	Gharwaspur Minor	200	3.97	2.21
		Gaurahi Minor	149	8.63	6.46
	Garai Canal System	Kakrahi Minor	128	3.08	2.68
		Chandratali Minor	108	3.00	3.10

Year	Name of the system	Name of selected Minor	Actual Irrigation (Ha)	Actual Water Flow (Mcft)	Height of water (inch)
	Adwa Sukhra Canal System	Banwa Minor	107	4.72	4.92
		Barhula Minor	133	18.37	15.39
	Tons Pump Canal	Sidhtikat Minor	184	16.47	9.98
	Belan Canal System	Umri Minor	249	18.30	8.20
		Sipaua Minor	151	9.20	6.79
		Mahuli Minor	192	8.71	5.06
		Badwari Minor	131	10.85	9.23
		Dasauti Minor	167	5.77	3.85
		Barethi Minor	464	18.49	4.44
		Garan Minor	103	0.99	1.07
2020-21	Jirgo Canal System	Gharwaspur Minor	199	4.16	2.33
		Gaurahi Minor	150	9.07	6.74
	Garai Canal System	Kakrahi Minor	126	4.61	4.08
		Chandratali Minor	105	4.50	4.78
	Adwa Sukhra Canal System	Banwa Minor	107	4.83	5.03
		Barhula Minor	133	18.79	15.75
	Baraundha Dy Command	Jhingha Minor	87	10.89	13.95
		Mahular Minor	105	10.76	11.42
	Belan Canal System	Umri Minor	220	29.75	15.07
		Sipaua Minor	148	9.20	6.93
		Mahuli Minor	192	10.27	5.96
		Dasauti Minor	173	11.53	7.43
		Barethi Minor	467	16.64	3.97
		Garan Minor	121	0.91	0.83

(Source: Data collected from divisions)

Appendix 4.1 (B)
Supply of insufficient water in test checked canals of Dhasan Canal System
(Reference: Paragraph no. 4.4.3)

Year	Sl. No.	Name of the canal system	Name of the selected canals	Actual irrigation (Ha)	Actual water flow from outlets (in mcft)	Height of water (inch)
2014-15	1	Dhasan Canal System	Masoodpur Minor	87	5.46	7
	2		Gugrawara Minor	73	7.31	11
	3		Bira Minor	0	0	0
	4		Dhanauri Minor	0	0	0
	5		Italiya Minor	0	0	0
2015-16	1		Masoodpur Minor	89	5.46	7
	2		Gugrawara Minor	78	7.31	10
	3		Bira Minor	0	0	0
	4		Dhanauri Minor	0	0	0
	5		Italiya Minor	0	0	0
	6		Bilgaon Minor	0	0	0
2016-17	1		Masoodpur Minor	130	9.10	8
	2		Gugrawara Minor	172	12.19	8
	3		Bira Minor	336	15.30	5
	4		Dhanauri Minor	20	2.75	15
	5		Italiya Minor	77	0	0
	6		Bilgaon Minor	64	1.47	3
2017-18	1		Masoodpur Minor	79	5.46	8
	2		Gugrawara Minor	95	7.31	9
	3		Bira Minor	148	5.10	4
	4		Dhanauri Minor	0	0	0
	6		Bilgaon Minor	32	1.10	4
2018-19	1		Masoodpur Minor	82	9.10	12
	2		Gugrawara Minor	121	12.19	11
	3		Bira Minor	307	15	6
	4	Dhanauri Minor	55	3.30	7	
	5	Italiya Minor	0	0	0	
	6	Bilgaon Minor	52	1.84	4	
2019-20	1	Masoodpur Minor	99	9.10	10	
	2	Gugrawara Minor	121	12.19	11	
	3	Bira Minor	495	16.15	4	
	4	Dhanauri Minor	73	4.95	8	
	5	Italiya Minor	144	4.10	3	
	6	Bilgaon Minor	100	2.57	3	
2020-21	1	Masoodpur Minor	119	5.46	5	
	2	Gugrawara Minor	105	7.31 (8)	8	
	3	Bira Minor	418	14.45 (4)	4	
	4	Dhanauri Minor	63	4.40 (8)	8	
	5	Bilgaon Minor	84	5.88 (8)	8	

(Source: Data collected from division)

Appendix 4.2
(I) Position of tail feeding of test checked canals in BCP
(Reference: Paragraph no. 4.4.3)

Kharif Season								
Name of the system	Total Selected Minors	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Jirgo Canal System	2	2	2	2	2	2	2	2
Garai Canal System	2	0	2	2	2	2	2	1
Lower Khajuri Canal System	1	0	0	1	0	0	0	1
Adwa Sukhra Canal System	2	2	2	2	2	2	2	2
Baraundha Dy. Command	3	1	1	1	1	1	1	1
Harra Canal System	1	0	0	0	0	0	0	0
Belan Canal System	7	6	6	6	6	7	7	7
Tons Pump Canal System	4	4	4	4	4	4	4	4
Yamuna Pump Canal System	1	1	1	1	1	1	1	1
Total	23	16	18	19	18	19	19	19
Rabi Season								
Name of the system	Total Selected Minors	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Jirgo Canal System	2	2	2	2	2	2	2	2
Garai Canal System	2	0	0	2	2	2	2	2
Lower Khajuri Canal System	1	0	0	0	0	0	0	0
Adwa Sukhra Canal System	2	2	2	2	2	2	2	2
Baraundha Dy. Command	3	1	1	1	1	1	1	1
Harra Canal System	1	0	0	0	0	0	0	0
Belan Canal System	7	6	0	6	7	6	7	7
Tons Pump Canal System	4	4	4	4	4	4	4	4
Yamuna Pump Canal System	1	1	1	1	1	1	1	1
Total	23	16	10	18	19	18	19	19
Tail feed in per cent	23	Range 10-19; 43 to 83 per cent						

(II) Position of tail feeding of test checked canals in DCS

Name of canal	No. of minor	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Masoodpura minor	1	0	0	0	0	0	0	0
Gugrawara minor	1	1	1	1	1	1	1	1
Bira minor	1	0	0	0	0	0	0	0
Dhanauri minor	1	0	0	0	0	0	0	0
Italiya minor	1	0	0	0	0	1	1	0
Bilgaon minor	1	0	0	0	0	0	0	1
Total	6	1	1	1	1	2	2	2
Tail feed in per cent	6	Range one to two; 17 to 33 per cent						

(Source: Data collected from division)

Appendix 4.3
Canal system-wise irrigation intensity against the target in BCP
(Reference: Paragraph no. 4.6.1)

Name of the system	Year	CCA of the canal system (in ha)	PPA (Target)			Actual Irrigated Area		
			Kharif	Rabi	Total	Kharif	Rabi	Total
Jirgo Canal System	2014-15	13791	9161	1815	10975	9530	9981	19511
	2015-16	13791	9161	1815	10975	9523	9281	18804
	2016-17	13791	9161	1815	10975	9428	8823	18251
	2017-18	13791	9161	1815	10975	9493	8603	18096
	2018-19	13791	13636	11149	24785	9673	9386	19059
	2019-20	13791	13636	11149	24785	9084	8255	17339
	2020-21	13791	13636	11149	24785	8983	8836	17819
Garai Canal System	2014-15	17878	12198	6155	18353	12224	11111	23335
	2015-16	17878	12198	6155	18353	12024	1253	13277
	2016-17	17878	12198	6155	18353	12058	11354	23412
	2017-18	17878	12198	6155	18353	12068	10534	22602
	2018-19	17878	17663	12991	30654	11908	10508	22416
	2019-20	17878	17663	12991	30654	12060	11234	23294
	2020-21	17878	17663	12991	30654	11742	11096	22838
Lower Khajuri Canal System	2014-15	4547	3665	1778	5443	1163	29	1192
	2015-16	4547	3665	1778	5443	1382	28	1410
	2016-17	4547	3665	1778	5443	1742	901	2643
	2017-18	4547	3665	1778	5443	1537	28	1565
	2018-19	4547	4297	3719	8016	1449	26	1475
	2019-20	4547	4297	3719	8016	1428	804	2232
	2020-21	4547	4297	3719	8016	1615	170	1785
Adwa Sukhra Canal System	2014-15	25003	6991	8591	15582	14510	14000	28510
	2015-16	25003	6991	8591	15582	12316	10580	22896
	2016-17	25003	6991	8591	15582	12926	13774	26700
	2017-18	25003	6991	8591	15582	12952	13805	26757
	2018-19	25003	14900	20606	35505	12975	14213	27188
	2019-20	25003	14900	20606	35505	11833	13534	25367
	2020-21	25003	14900	20606	35505	12965	13412	26377
Baraundha Dy. Command	2014-15	29766	12811	12891	25702	8260	13839	22099
	2015-16	29766	12811	12891	25702	6297	1214	7511
	2016-17	29766	12811	12891	25702	10354	13453	23807
	2017-18	29766	12811	12891	25702	9930	14169	24099
	2018-19	29766	22453	28223	50677	10148	15295	25443
	2019-20	29766	22453	28223	50677	10582	14770	25352
	2020-21	29766	22453	28223	50677	10673	14566	25239
Harrai Canal System	2014-15	2615	1945	943	2888	160	175	335
	2015-16	2615	1945	943	2888	0	0	0
	2016-17	2615	1945	943	2888	184	216	400
	2017-18	2615	1945	943	2888	185	209	394
	2018-19	2615	2497	2119	4616	186	349	535
	2019-20	2615	2497	2119	4616	183	351	534
	2020-21	2615	2497	2119	4616	185	355	540

Name of the system	Year	CCA of the canal system (in ha)	PPA (Target)			Actual Irrigated Area		
			Kharif	Rabi	Total	Kharif	Rabi	Total
Belan Canal System	2014-15	71048	14209	33748	47957	38595	37558	76153
	2015-16	71048	14209	33748	47957	39165	529	39694
	2016-17	71048	14209	33748	47957	40403	38680	79083
	2017-18	71048	14209	33748	47957	41148	38444	79592
	2018-19	71048	36801	60328	97129	41071	37402	78473
	2019-20	71048	36801	60328	97129	41956	39454	81410
	2020-21	71048	36801	60328	97129	41388	40711	82099
Tons Pump Canal System	2014-15	34008	16154	17004	33158	13074	13176	26250
	2015-16	34008	16154	17004	33158	12046	13226	25272
	2016-17	34008	16154	17004	33158	13199	13364	26563
	2017-18	34008	16154	17004	33158	12955	13352	26307
	2018-19	34008	22633	28990	51623	13084	13429	26513
	2019-20	34008	22633	28990	51623	13171	13496	26667
	2020-21	34008	22633	28990	51623	13392	14169	27561
Yamuna Pump Canal System	2014-15	33785	16893	20271	37164	4047	4351	8398
	2015-16	33785	16893	20271	37164	3022	4353	7375
	2016-17	33785	16893	20271	37164	3803	4417	8220
	2017-18	33785	16893	20271	37164	3835	4412	8247
	2018-19	33785	19962	24388	44350	3926	4445	8371
	2019-20	33785	19962	24388	44350	3928	4468	8396
	2020-21	33785	19962	24388	44350	4108	4411	8519
Total	2014-15	232441	94026	103196	197222	101563	104220	205783
	2015-16	232441	94026	103196	197222	95775	40464	136239
	2016-17	232441	94026	103196	197222	104097	104982	209079
	2017-18	232441	94026	103196	197222	104103	103556	207659
	2018-19	232441	154842	192512	347354	104420	105053	209473
	2019-20	232441	154842	192512	347354	104225	106366	210591
	2020-21	232441	154842	192512	347354	105051	107726	212777

(Source: Data collected from divisions)

Appendix 4.4 (A)
Details of requirement and supply of certified seeds at district level
(Reference: Paragraph no. 4.7.1.1)

(In quintal)

Year	Total Requirement	Total received at Government Store (in per cent)	Total distribution through Govt. store (in per cent)	Total distribution through other than Govt. store (in per cent)	Total distribution (in per cent)
Bansagar Canal Project					
Rabi					
2014-15	351785.47	34102.98(10)	34102.98(10)	106091(30)	140193.98(40)
2015-16	342679.59	19375.82(6)	19375.82(6)	109376.4(32)	128752.22(38)
2016-17	382804.94	13949.03(4)	13949.03(4)	127442.6(33)	141391.63(37)
2017-18	361942.3	13395(4)	13395(4)	156601(43)	169996(47)
2018-19	350536.7	22907(7)	22907(7)	139696(40)	162603(46)
2019-20	344831.64	21173.45(6)	21173.45(6)	147560(43)	168733.45(49)
2020-21	349891.32	20510.4(6)	20510.4(6)	138786(40)	159296.4(46)
Total	2484471.96	145413.68(6)	145413.7(6)	925553.0(37)	1070966.7(43)
Kharif					
2014-15	41050.4	4986.18(12)	4708.46(11)	32341.43(79)	37049.89(90)
2015-16	42824.69	4421.98(10)	4421.98(10)	27103(63)	31524.98(74)
2016-17	45820.1	3804(8)	3793(8)	38948.1(85)	42741.1(93)
2017-18	45812.35	5149.48(11)	4364.48(10)	28627(62)	32991.48(72)
2018-19	47194.01	4798.6(10)	4798.6(10)	37040(78)	41838.6(86)
2019-20	44085.19	5097.67(12)	5097.67(12)	37371(85)	42468.67(96)
2020-21	48415.62	3733.65(8)	3733.65(8)	35306(73)	39039.65(81)
Total	315202.36	31991.56(10)	30917.84(10)	236736.53(75)	267654.37(85)
Dhasan Canal System					
Rabi					
2014-15	344075.14	17107(5)	17106.7(5)	91903.6(27)	109010.3(32)
2015-16	190010.79	13074.97(7)	13021.21(7)	45487.8(24)	58509.01(31)
2016-17	358775.01	9679.61(3)	9679.61(3)	120682.5(34)	130362.11(36)
2017-18	286578.97	7008.9(2)	7008.9(2)	76632(27)	83640.9(29)
2018-19	326563.02	12641.19(4)	12641.19(4)	90910.25(28)	103551.44(32)
2019-20	369955.81	11401.2(3)	11401.2(3)	113686.7(31)	125087.9(34)
2020-21	338309.18	8797.19(3)	8797.19(3)	113277.1(33)	122074.29(36)
Total	2214267.92	79710.06(4)	79656(4)	652579.95(29)	732235.95(33)
Kharif					
2014-15	28783.53	1197.9(4)	775.91(3)	9820(34)	10595.91(37)
2015-16	33423.75	884.07(3)	771.51(2)	5530.86(17)	6302.37(19)
2016-17	25572.66	743.07(3)	685.91(3)	6728.9(26)	7414.81(29)
2017-18	30408.72	787.25(3)	730.12(2)	12324(41)	13054.12(43)
2018-19	26946.98	755.35(3)	755.35(3)	8549.98(32)	9305.33(35)
2019-20	34544.43	715.8(2)	715.8(2)	8642(25)	9357.8(27)
2020-21	30632.85	375.69(1)	375.69(1)	9929.6(32)	10305.29(34)
Total	210312.92	5459.13(3)	4810.29(2)	61525.34(29)	66335.63(32)

(Source: Data collected from Agriculture Department)

Appendix 4.4 (B)
Details of requirement and supply of certified seeds at selected village level
(Reference: Paragraph no. 4.7.1.1)

(In quintal)

Name of crop	No. of test checked villages	Total requirement (in qtl.)	Total distribution (in qtl) (in per cent)
Bansagar Canal Project			
Wheat	90	63245	993.4 (2)
Paddy	90	9819	112.27 (1.14)
Gram	90	1487	102.95 (6.92)
Pea	90	284	5.08 (1.8)
Rai	90	30	1.49 (4.97)
Arahar	90	59	1.39 (2.35)
Dhasan Canal System			
Wheat	29	38518	739.00 (1.92)
Paddy	29	6.10	1.04 (17)
Gram	29	4342	491.69 (11.3)
Pea	29	10376	488.17 (4.7)
Rai/sarso	29	45.8	7.62 (16.6)
Arahar	29	198	15.08 (7.6)

(Source: Data collected from Agriculture Department)

Appendix 4.5 (A)
Details of delay availability of seeds at central seed store during 2014-21
(Reference: Paragraph no. 4.7.1.1)

District	Name of Seed	Scheduled date of receiving of seed at central store	Last date of sowing the seed	2014-21	
				Delay receipt after scheduled date at central store	Delay receipt after sowing date at central store
Bansagar Canal Project					
Mirzapur	Wheat	20 th October	25 th December	5 to 64 days	0
Prayagraj				4 to 54 days	0
Mirzapur	Gram	20 th September	15 th November	10 to 50 days	0
Prayagraj				10 to 51 days	0
Mirzapur	Pea	20 th September	15 th November	14 to 48 days	0
Mirzapur	Masoor	20 th September	15 th November	20 to 43 days	0
Prayagraj				16 to 72 days	17 days
Mirzapur	Rai/Sarso	20 th September	15 th October	16 to 40 days	15 days
Prayagraj				8 to 48 days	22 days
Mirzapur	Paddy	25 th April	10 th July	10 to 62 days	0
Prayagraj				12 to 57 days	0
Mirzapur	Arahar	15 th May	15 th July	43 to 56 days	0
Prayagraj				41 to 52 days	0
Dhasan Canal System					
Hamirpur	Wheat	20 th October	25 th December	11 to 53 days	0
Mahoba				3 to 76 days	10 days
Hamirpur	Gram	20 th September	15 th November	8 to 45 days	0
Mahoba				1 to 97 days	42 days
Hamirpur	Pea	20 th September	15 th November	4 to 88 days	33 days
Mahoba				1 to 97 days	42 days
Hamirpur	Masoor	20 th September	15 th November	14 to 72 days	16 days
Mahoba				1 to 77 days	21 days
Hamirpur	Rai/Sarso	20 th September	15 th October	11 to 58 days	33 days
Mahoba				4 to 97 days	72 days
Hamirpur	Arahar	15 th May	15 th July	17 to 63 days	2 days
Mahoba				12 to 59 days	0 days
Hamirpur	Moong	15 th May	10 th August	19 to 49 days	0
Mahoba				2 to 65 days	0
Hamirpur	Urd	15 th May	30 th August	17 to 56 days	0
Mahoba				2 to 73 days	0
Hamirpur	Til	15 th May	15 th July	50 to 63 days	3 days
Mahoba				7 to 78 days	17 days

(Source: Data collected from Agriculture Department)

Appendix 4.5 B
Details of delay distribution of seeds after sowing period in test checked blocks
(Reference: Paragraph no. 4.7.1.1)

Name of District	No. of selected blocks	Name of seed (last date of sowing)	Delay distribution during 2014-2021
Bansagar Canal Project			
Prayagraj	6	Wheat (25 Dec.)	1 to 53 days
Mirzapur	5		1 to 181 days
Prayagraj	6	Gram (15 Nov.)	1 to 61 days
Mirzapur	5		1 to 64 days
Prayagraj	6	Pea (15 Nov.)	1 to 62 days
Mirzapur	5		3 to 70 days
Prayagraj	6	Masoor (15 Nov.)	3 to 69 days
Mirzapur	5		1 to 44 days
Prayagraj	6	Rai/Sarso (15 Oct.)	9 to 130 days
Mirzapur	5		1 to 250 days
Prayagraj	6	Paddy (10 July)	1 to 94 days
Mirzapur	5		1 to 41 days
Prayagraj	6	Arahar (15 July)	5 to 80 days
Mirzapur	5		2 to 80 days
Dhasan Canal System			
Hamirpur	2	Wheat (25 Dec.)	3 to 15 days
Mahoba	1		1 to 61 days
Hamirpur	2	Gram (15 Nov.)	1 to 45 days
Mahoba	1		1 to 101 days
Hamirpur	2	Pea (15 Nov..)	5 to 45 days
Mahoba	1		1 to 101 days
Hamirpur	2	Masoor (15 Nov.)	17 to 54 days
Mahoba	1		1 to 72 days
Hamirpur	2	Rai/Sarso (15 Oct.)	5 to 62 days
Mahoba	1		2 to 131 days
Hamirpur	2	Dhan (Paddy) (10 July)	5 to 40 days
Mahoba	1		1 day
Hamirpur	2	Arahar (15 July)	2 to 34 days
Mahoba	1		1 to 46 days

(Source: Data collected from Agriculture Department)

Appendix 4.6 Details of unapproved variety of seeds and their distribution

(Reference: Paragraph no. 4.7.1.2)

(Quantity in quintal)

Name of seed	Year	Approved variety of seeds	Total quantity of seeds distributed ¹	Distribution of unapproved variety of seeds	
				Unapproved variety (in no.)	Quantity
Prayagraj (Vindhya Region)					
Wheat	2014-15	K-8962, 9465 ,9351, 9107, 307, 9423, 9006,	20439	PBW-502, PBW-550, DBW-17, CBW-38, DH-2967, W-711 (6)	17938
	2015-16	Malveey-468, 234, HD-2888, 2643,	13076	PBW-550, DBW-621, HD-2967, DBW-17 (4)	11446
	2016-17	PBW-343, 373, UP-2338, 2382, 2425, HP-1731, 1744,	8790	HD-2967, DBW-17, PBW-550, PBW-509, PBW-644, DBW-39, RAJ-4120, HD-3034 (8)	8781
	2017-18	NW-1012, 1014, 2036, 1076, 1067,	8624	DBW-621, PBW-550, HD-2967, DBW-107, HD-3086 (5)	8611
	2018-19	WH-542, HUW-533, 510, 468, KRL-19, 210, 213, (total 30)	15139	HD-2967, CBW-38, WH-1105, HD-3086, K-1006, DBW-621, KRL-2, KRL-607, Raj-4120, HD-2059, DBW-590, HD-2985, K-402, PBW-644 (14)	14097
	2019-20		13112	HD-2967, CBW-38, WH-1105, HD-3086, K-1006, WB-02, HI-1563, AA1W-6, HD-3059, DBW-90, PBW-723 (11)	13123
	2020-21		13408	K-422, WH-1124, PBW-723, HD-2967, HD-3086 AAIW-6, AAIW-9, AAIW-10, AAIW-13 (9)	13229
Total			92588		87225
Paddy	2014-15	Narendra-97, 118, 80, 359, 3112, 2026, 2064, 2065,	2200	NA	
	2015-16	Saket-4, Varni Deep, Narendra Lalmati,	2803	Dhan Sahabhagi, Sambha Masuri, Sughandha-4, Swarn Sab-1 (4)	1159
	2016-17	Shushk Samrat, IR-36, Ta-3, Pant-12, 4	2680	NA	0
	2017-18	Sarju-52, PNR-381, Pusa Basmati-1,	3376	Dhan Sahabhagi, Shushk Samrat, DRR-44, MTU-7029, Swarn Sub-1, PAU-201 (6)	665
	2018-19	Basmati-370, Vallabh Basmati-22,	4000	Pant-24, Swarn Sub-1, Sahabhagi, Shuyatts (4)	833
	2019-20	Malveey Sughandha-105, 4-3, Narendra Sughandha (total 24)	3884	CO-51, HUR-4-3, Shuyatts-1, HUR-105, Sahabhagi, Sambha Sub-1 (6)	881
	2020-21		2735	Sambha Masuri, MTU-7029, Shuyatts-1, 2, 3, 4, 5, CSR-56, PR-121, CSR-43, Pant-24 (11)	940
Total			21678		4478
Mirzapur (Vindhya Region)					
Wheat	2014-15	K-8962, 9465 ,9351, 9107, 307, 9423, 9006,	11798	PBW-502, PBW-550, DBW-17, CBW-38, K-9423, HD-2967, UP-	10983

¹ Through government store (only Agriculture Department).

Name of seed	Year	Approved variety of seeds	Total quantity of seeds distributed ¹	Distribution of unapproved variety of seeds	
				Unapproved variety (in no.)	Quantity
		Malveey-468, 234, HD-2888, 2643, PBW-343, 373, UP-2338, 2382, 2425, HP-1731, 1744, NW-1012, 1014, 2036, 1076, 1067, WH-542, HUW-533, 510, 468, KRL-19, 210, 213, (total 30)		2425, K-307 (8)	
	2015-16		4907	PBW-550, PBW-502, DBW-621, HD-2967, UP-2572, DBW-17, CBW-38 (7)	4397
	2016-17		4226	HD-2967, DBW-17, PBW-502, K-307, DBW-621 (5)	4227
	2017-18		3046	K-307, DBW-110, HD-2967, HI-8737, DBW-17 (5)	3046
	2018-19		5669	HD-2967, PBW-590, CBW-38, PBW-644, HD-3086, HD-2987, DBW-90, HD-3059, DBW-502, HI-8737 (10)	5699
	2019-20		6059	HD-2967, RAS-4120, WH-3086, HUW-234, WB-02, PBW-443, HI-8737 (7)	6059
	2020-21		5130	PBW-723, DBW-17, HD-3086, HD-3059, WB-02, HD-2967 (6)	5130
Total			40835		39541
Paddy	2014-15	Narendra-97, 118, 80, 359, 3112, 2026, 2064, 2065,	1497	Dhan sahabhagi, Sambha masuri, CSR-30, Swaran Sab-1, MTU-7029 (5)	462
	2015-16	Saket-4, Varni Deep, Narendr Lalmati,	971	MTU-7029, Dhan Sahabhagi, Dughandha-4 (3)	228
	2016-17	Shushk Samrat, IR-36, Ta-3, Pant-12, 4	712	HUR-105, Dhan Sahabhagi, MTU-7029 (3)	430
	2017-18	Sarju-52, PNR-381, Pusa Basmati-1, Basmati-370, Vallabh Basmati-22,	787	Sugandha-105, MTU-7029, Swaran Sab-1, Shushk Smarat, Sahabhagi, DRR-44, (6)	437
	2018-19	Malveey Sughandh-105, 4-3, Narendra Sughandha (total 24)	663	Swaran Sab-1, Dhan Sahabhagi, Shuyatts-1 (3)	147
	2019-20		1013	Shuyatts-1, Dhan Sahabhagi, MTU-7029, HDR-105, CSR-43, (5)	661
	2020-21		931	Shuyatts-1, MTU-7029, HUR-105, CSR-60, HUR-917, BPT-5204, PR-121, Pant-24, CO-51, (9)	811
Total			6574		3176
Hamirpur (Bundelkhand Region)					
Wheat	2014-15	K-9465, 9351, 8962, 9107, 9162, 9533, 7903, 9423	4888	PBW-502, PBW-550, DBW-17, CBW-38, HD-2967, RAJ-3077, (6)	3959
	2015-16	C-306,	5562	DBW-550, DBW-621, HD-2967, K-307, DBW-17, CBW-38, (6)	5549
	2016-17	Malveey-234, HW-2004, HD-2733, 2888,	2808	HD-2967, DBW-17, PBW-550, DPW-621, (4)	2200
	2017-18	DL-803-3, 788-2, WH-147,	1706	HD-2967, DBW-17, CBW-38, RAJ-4120, K-307, (5)	1667
	2018-19	UP-2338, 2425, RAJ-1555, PBW-343, HP-1633, HUW-510	4869	HD-2967, DBW-90, PBW-502, PBW-590, RAJ-4120, WH-1105, HD-3086, K-402, JW-3336, HD-3043, (10)	4868

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Name of seed	Year	Approved variety of seeds	Total quantity of seeds distributed ¹	Distribution of unapproved variety of seeds	
				Unapproved variety (in no.)	Quantity
	2019-20	HI-8381, 8498, 784, GW-273, 322, 173, (total 28)	3480	HD-2967, RAJ-4120, WH-1105, HD-3086, PBW-107, WB-02, PBW-725, (7)	3480
	2020-21		1939	HD-2967, DBW-107, DBW-110, PBW-723, , RAJ-4238, WH-1124, HD-3086, K-402, (8)	1940
Total			25252		23663
Paddy	2014-15	Narendra-97, 80, 359, 2026, 2064, 3112, 2065, Saket-4, Malveey Sugandha-105, Sarju-52, Ballabh Basmati-22, Govind, Pusa Basmati-1, Ta-3, Malveey Sugandha 4-3, Basmati-370, Shushk Samrat (total 17)	3	Pant-12 (1)	3
	2015-16		3	Pant-12 (1)	3
	2016-17		5	Pusa Basmati (1)	5
	2017-18		5	Nil	0
	2018-19		5	Dhan Narendra (1)	5
	2019-20		15	Sugahandha-4 (1)	15
	2020-21		32	Pusa Basmati, Pant-24 (2)	32
Total			68		63
Mahoba (Bundelkhand Region)					
Wheat	2014-15	K-9465, 9351, 8962, 9107, 9162, 9533, 7903, 9423 C-306, Mlveey-234, HW-2004, HD-2733, 2888, DL-803-3, 788-2, WH-147, UP-2338, 2425, RAJ-1555, PBW-343, HP-1633, HUW-510 HI-8381, 8498, 784, GW-273, 322, 173, (total 28)	2022	PBW-502, PBW-550, DBW-17, HD-2967, RAJ-3077, (5)	1514
	2015-16		1814	PBW-550, UP-2572, HD2967, Halna, DBW-17, CBW-38, (6)	1626
	2016-17		3069	HD-2967, DBW-17, PBW-550, DPW-621, WH-1105, RAJ-4120, WHD-943, (7)	2952
	2017-18		797	PBW-550, HD-2967, CBW-38, DBW-17, RAJ-4120, (5)	797
	2018-19		1636	HD-2967, PBW-590, PBW-3086, WH-1105, HD-3086, CBW-38, DBW-90, (7)	1636
	2019-20		1578	HD-2967, DBW-110, HD-3043, HD-3086, WH-1105, RAJ-4120, WHD-943, HD-2967, DBW-107, WH-1105, (10)	1578
	2020-21		1406	DBW-107, DBW-110, HD-2967, HD-2967, HD-3086, WB-02, PBW-343, DBW-107, (8)	1406
Total			12322		11509
Paddy	2014-15	Narendra-97, 80, 359, 2026, 2064, 3112, 2065, Saket-4, Malveey Sugandha-105, Sarju-52, Ballabh Basmati-22, Govind, Pusa Basmati-1, Ta-3, Malveey Sugandh 4-3, Basmati-370, Shushk Samrat (total 17)	10	Pant (1)	10
	2015-16		7	Pant (1)	7
	2016-17		0	0	0
	2017-18		0	0	0
	2018-19		0	0	0
	2019-20		0	0	0
	2020-21		0	0	0
Total			17		17

(Source: Data collected from Agriculture Department)

Appendix 4.7 (A)
Yield in test checked villages
(Reference: Paragraph no. 4.8)

(in quintal/hectare)

No. of Village	Name of crop	Proposed Yield	Actual yield during 2015 -21 (per cent)
Bansagar Canal Project			
79	Wheat	40	5.49 to 46.29 (14 to 116)
15	Gram	18	2.44 to 18.69(14 to 104)
01	Pea	15	5.92 to 16.47(39 to 110)
0	Mustard	15	Data not available
0	Maize	23	Data not available
0	Arhar	16	Data not available
Dhasan Canal System			
19	Wheat	35	5.8 to 46.59 (17 to 133)
16	Gram	20	0.31 to 19.2 (2 to 96)
0	Paddy	40	Data not available

(Source: Data provided by Director, Agriculture Department)

Appendix 4.7 (B)
Details of village-wise productivity in test checked villages
(Reference: Paragraph no. 4.8)

(in quintal/hectare)

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Bansagar Canal Project							
Gadaiya Kalan	Gram	6.51	11.38	11.72	13.8	10.36	12.18
Kundi		7.65	9.39	10.88	14.6	9.74	12.04
Gadaiya Khurd		NA	NA	NA	NA	NA	NA
Gauhani		NA	NA	NA	NA	NA	NA
Jariha atri		NA	NA	NA	NA	NA	NA
Khujhi		NA	NA	NA	NA	NA	NA
Kherhatkhurd		NA	NA	NA	NA	NA	NA
Dando		NA	NA	NA	NA	NA	NA
Pathertal		4.87	8.72	4.87	12.5	9.12	13.48
Mahuli		3.74	6.68	17.14	12.2	7.62	10.36
Pasana		3.6	5.44	9.91	12.2	8.1	11.43
Barhula Kalan		5.41	8.3	16.2	12.9	7.28	12.35
Belhat		5.3	5.44	8.78	13.6	9.52	12.18
Belvaniya		4.16	9.39	10.39	12.4	10.2	10.93
Latifpur		4.16	9.39	10.39	12.4	10.2	10.93
Jamohara		4.16	9.39	10.39	12.4	10.2	10.93
Sipaua		4.93	7.48	6.97	11.9	5.95	12.03
Saimha		NA	NA	NA	NA	NA	NA
Para		NA	NA	NA	NA	NA	NA
Badhwari Kalan		NA	NA	NA	NA	NA	NA
Khiri		NA	NA	NA	NA	NA	NA
Dhipatkha		NA	NA	NA	NA	NA	NA
Garan		NA	NA	NA	NA	NA	NA
Jadipur		NA	NA	NA	NA	NA	NA
Pathertal		NA	NA	NA	NA	NA	NA
Salaiya		NA	NA	NA	NA	NA	NA
Barhulakhurd		NA	NA	NA	NA	NA	NA
Kapuribadhैया		NA	NA	NA	NA	NA	NA
Siryari		NA	NA	NA	NA	NA	NA
Sinkikalan		NA	NA	NA	NA	NA	NA
Sinkikhurd		NA	NA	NA	NA	NA	NA
Bakhar		NA	NA	NA	NA	NA	NA
Rampurtulapur		NA	NA	NA	NA	NA	NA
Salaiya Kala		2.44	8.8	14.09	10.6	11.67	NA
Sirhir		NA	NA	NA	NA	NA	NA
Bashara		NA	NA	NA	NA	NA	NA
Dasauti		NA	NA	NA	NA	NA	NA
Shidh Ticket		5.89	9.69	9.56	14.0	18.69	13.82
Telghana		NA	NA	NA	NA	NA	NA
Bansi		NA	NA	NA	NA	NA	NA
Kolkam Kala		5.87	13.48	9.7	9.6	10.21	12.82

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Kolkam Khurd		5.87	13.48	9.7	9.6	10.21	12.82
Daultabad		NA	NA	NA	NA	NA	NA
Rampur		NA	NA	NA	NA	NA	NA
Shikarpur		NA	NA	NA	NA	NA	NA
No. of village		15	15	15	15	15	14
Gadaiya Kalan	Wheat	13.39	31.58	25.05	32.6	34.46	28.22
Kundi		12.83	30.93	25.38	37.5	21.52	26.27
Dadura		22.41	33.23	27.00	32.4	21.29	26.83
Jariha atri		22.41	33.23	27.00	32.4	21.29	26.83
Gadaiya Khurd		13.39	31.43	25.05	27.8	36.87	26.92
Khujhi		15.91	32.22	27.40	29.6	22.08	24.8
Lotarh		22.41	28.63	27.28	31.4	24.26	26.57
Gauhani		NA	NA	NA	NA	NA	NA
Dharawara		25.1	24.33	37.12	46.3	30.93	33.14
Niriya		26.84	28.28	40.9	41.5	30.99	32.56
Rithaiya		20.23	26.9	29.65	43.7	32.55	NA
Badhwari Kalan		14.62	25.77	19.59	32.2	36.13	26.39
Garan		14.71	24.63	23.52	34.8	25.38	25.21
Jadipur		13.34	23.09	16.17	30.2	10.98	27.23
Pathertal		13	23.25	19.33	27.2	23.51	22.08
Saimha		10.17	22.3	19	33.0	16.94	21.79
Sipaua		16.59	23.15	19.84	26.1	9.03	21.35
Dhipatka		17.62	17.2	19.09	33.6	35.96	25.49
Paithakpur		15.24	22.8	19.67	40.3	25.86	NA
Kheri		15.61	21.35	19.91	27.6	18.99	22.1
Koundi		8.63	24.12	16.76	38.3	26.28	24.09
Mahuli		11.82	29.96	21.96	46.0	22.19	27.4
Purarochai		14.18	24.54	28.46	37.3	8.29	25.21
Pasana		16.22	24.32	32.48	33.1	14.51	25.74
Barhula Kalan		10.48	23.25	22.3	26.4	25.27	28.18
Ghoongha		19.12	20.62	21.57	18.9	18.88	20.19
Barhula Khurd		13.81	21.29	21.35	34.8	13.95	23.37
Salaiya		15.07	22.62	31.66	26.4	23.8	37.65
Belhat		17.09	24.65	32.44	33.1	8.4	39.17
Belvaniya		9.13	20.12	20.73	32.6	22.13	15.18
Latifpur		9.13	20.12	20.73	32.6	22.13	15.18
Jamohara		9.13	20.12	20.73	32.6	22.13	15.18
Para		19.12	23.37	14.54	25.8	29.14	22.76
Babhan Patti		14.18	24.54	28.46	37.3	8.29	25.21
Kapuribadhaiya	NA	NA	NA	NA	NA	NA	
Siryari	NA	NA	NA	NA	NA	NA	
Sinkikalan	NA	NA	NA	NA	NA	NA	
Rampurtulapur	NA	NA	NA	NA	NA	NA	
Bakhar	5.49	20.28	11.84	35.4	26.25	24.71	
Sinkikhurd	15.35	29.64	27.9	33.3	33.9	29.98	

Performance Audit of Outcomes in Surface Irrigation of Bansagar Canal Project and Lahchura Dam Project

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Sirhir		13.45	30.09	24.71	31.8	23.42	25.77
Dasauti		13.45	30.09	24.71	31.8	23.42	25.77
Salaiya Kala		19.12	30.82	15.69	33.4	25.19	26.83
Bashara		NA	NA	NA	NA	NA	NA
Bansi		18.10	35.02	26.13	33.1	22.08	NA
Shidh Ticket		18.43	31.77	25.38	32.8	20.73	NA
Telghana		16.87	28.21	23.98	24.1	20.62	NA
Kherhatkala		16.87	28.21	23.98	24.1	20.62	NA
Kherhatkhurd		16.87	28.21	23.98	24.1	20.62	NA
Dihwa		16.81	28.61	28.76	43.0	24.26	NA
Dado		16.81	28.61	28.76	43.0	24.26	NA
Banwa		11.32	24.77	25.1	23.3	13.95	27.85
Naugawan		14.57	21.29	26.67	25.3	5.66	32.57
Harsad		21.24	33.4	25.1	24.7	12.92	NA
Chakkotar		12.55	17.01	22.64	25.1	14.82	29.03
Kashihar		21.29	28.69	36.14	36.4	27.68	34.14
Kakrahi		17.73	31.5	38.27	38.1	32.67	40.01
Daultabad		29.25	27.85	39.5	37.9	38.1	NA
Gardbard		13.5	11.93	13.22	24.7	25.47	NA
Kolkam Kala		13.78	27.94	24.32	24.9	21.8	33.84
Kolkam Khurd		13.78	27.94	24.32	24.9	21.8	33.84
Kaparathua		13.78	27.94	24.32	24.9	21.8	NA
Mahular		9.75	27.94	24.04	29.7	27.96	28.35
Jhigha		9.75	27.94	24.04	29.7	27.96	28.35
Nayagawan		9.75	27.94	24.04	29.7	27.96	28.35
Dhurakanda		17.73	25.21	23.81	27.8	23.45	28.36
Amoi		20.48	20.73	36.42	38.7	17.71	33.45
Tedhwa		20.48	20.73	36.42	38.7	17.71	NA
Bhorsar		22.58	24.04	33.84	30.0	15.18	NA
Bikna		21.46	20.06	35.86	39.5	17.76	NA
Birpur		20	20.28	35.75	36.8	16.92	NA
Katran		18.99	19.89	33.06	34.8	29.08	NA
Jayapur		18.99	19.89	33.06	34.8	29.08	NA
Chandaipur		19.11	27.94	33.79	30.1	17.51	NA
Ananantpur		19.11	27.94	33.79	30.1	17.51	NA
Itwa		19.11	27.94	33.79	30.1	17.51	NA
Dhaurupur		20.28	30.93	23.98	30.2	16.25	NA
Rajpur		18.63	29.92	36.59	43.3	12.21	NA
Tad		NA	NA	NA	NA	NA	NA
Bharuhana		NA	NA	NA	NA	NA	NA
Baraudha		NA	NA	NA	NA	NA	NA
Rampur		25.49	35.69	36.34	36.5	34.85	NA
Shikarpur		24.12	32.22	35.75	37.3	32.83	NA
Gharwaspur		24.12	32.22	35.75	37.3	32.83	NA
Noharipur		24.09	32.44	35.8	36.8	32.05	NA
Gaurahi		25.1	29.64	40.46	38.6	34.91	NA
Hausapur		19.14	21.24	36.53	36.8	29.47	NA

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Puradurwasa		23.2	28.63	33.2	33.4	21.88	NA
No. of village		79	79	79	79	79	48
Mahular	Pea	5.92	6.79	8.78	12.79	16.47	10.63
Dhasan Canal System							
Name of Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Bagipura	Gram	7.62	13.93	16.11	12.89	8.59	12.55
Itauragang		7.62	13.93	16.11	12.89	8.59	12.55
Musahi		NA	NA	NA	NA	NA	NA
Sikraudha-Rath		4.36	10.39	12.26	12.35	15.53	8.44
Gugarwara		4.36	10.39	12.26	12.35	15.53	8.44
Dhanaura		5.44	12.97	13.03	15.75	15.93	10.25
Dhanauri		5.44	12.97	13.03	15.75	15.93	10.25
Akauni		NA	NA	NA	NA	NA	NA
Dhagwan		7.93	10.30	10.42	8.13	15.18	15.18
Tolarawat		4.87	10.96	12.21	14.80	5.98	12.12
Jigani		NA	NA	NA	NA	NA	NA
Amarpurapatti		NA	NA	NA	NA	NA	NA
Itailiyaraja		NA	NA	NA	NA	NA	NA
Sirsa		NA	NA	NA	NA	NA	NA
Tolarkhagaran		NA	NA	NA	NA	NA	NA
Khajuri		0.31	11.62	19.20	16.31	12.91	15.04
Kachukakala		0.31	11.62	19.20	16.31	12.91	15.04
Beera		1.47	11.33	5.03	5.07	15.97	11.35
Pawai		4.93	8.26	8.33	7.76	12.53	NA
Bilgawan		NA	NA	NA	NA	NA	NA
Itailiyabaja		NA	NA	NA	NA	NA	NA
Jamangawan		NA	NA	NA	NA	NA	NA
masoodpura		1.33	9.91	10.42	15.80	18.97	14.7
Lidhaurakhurd		NA	NA	NA	NA	NA	NA
Nagaraghat		2.97	8.84	7.93	13.20	18.01	14.05
Alipura		NA	NA	NA	NA	NA	NA
Nekpura		NA	NA	NA	NA	NA	NA
Patha		2.97	8.84	7.93	13.20	18.01	14.05
Barano		2.97	8.84	7.93	13.20	18.01	14.05
No. of village		16 villages	16 villages	16 villages	16 villages	16 villages	15 villages
Bagipura	Wheat	23.98	34.07	40.10	37.51	31.13	35.97
Itauragang		23.98	34.07	40.10	37.51	31.13	35.97
Musahi		NA	NA	NA	NA	NA	NA
Sikraudha-Rath		24.21	36.11	36.48	35.47	36.70	NA
Gugarwara		24.21	36.11	36.48	35.47	36.70	NA
Dhanaura		19.72	28.91	36.36	36.14	40.90	29.91
Dhanauri		19.72	28.91	36.36	36.14	40.90	29.91
Akauni		NA	NA	NA	NA	NA	NA
Dhagwan		19.22	21.07	34.07	39.29	34.74	44.6
Tolarawat		24.88	35.33	35.69	35.30	26.14	NA
Tolakhagaran		NA	NA	NA	NA	NA	NA

Performance Audit of Outcomes in Surface Irrigation of Bansagar Canal Project and Lahchura Dam Project

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Khajuri		22.52	41.83	42.19	41.10	41.16	32.36
Kachuakala		22.52	41.83	42.19	41.10	41.16	32.36
Jigani		NA	NA	NA	NA	NA	NA
Amarpurapatti		NA	NA	NA	NA	NA	NA
Itailiyaraja		NA	NA	NA	NA	NA	NA
Sirsa		NA	NA	NA	NA	NA	NA
Beera		25.44	34.24	24.71	15.30	37.54	35.89
Pawai		17.93	34.24	46.59	40.96	36.19	32.27
Bilgawan		NA	NA	NA	NA	NA	NA
Itailiyabaja		NA	NA	NA	NA	NA	NA
Jamangawan		NA	NA	NA	NA	NA	NA
Lidhaurakhurd		10.79	37.09	19.89	32.10	44.04	N.A
Alipura		10.79	37.09	19.89	32.10	44.04	N.A
Masoodpura		5.80	36.98	29.08	31.20	44.10	N.A
Nagaraghat		7.40	28.69	19.92	34.40	35.80	N.A
Patha		7.40	28.69	19.92	34.40	35.80	N.A
Barano		7.40	28.69	19.92	34.40	35.80	N.A
Nekpura		10.00	34.85	19.05	33.70	43.87	N.A
No. of village			19 villages	19 villages	19 villages	19 villages	19 villages

(Source: Data provided by Director, Agriculture Department)

Appendix 4.8
Details of Production in selected villages in BCP
(Reference: Paragraph no. 4.9)

(in quintal)

District	Block	Gram Panchayat	Village	crop	Area (hect.)	Productivity (qt./hect.)	Production (qt.)	Area (hect.)	Productivity (qt./hect.)	Production (qt.)	Production decreased in comparison to 2018-19	Production decreased in per cent
					2018-19			2020-21				
Prayagraj	Koraon	Pathertal	Pathertal	Gram	4	12.5	50	3	13.48	40.44	-10	-19
Prayagraj	Koraon	Mahuli	Mahuli	Gram	126	12.2	1537.2	118	10.36	1222.48	-315	-20
Prayagraj	Koraon	Pasana	Pasana	Gram	17	12.2	207.4	9	11.43	102.87	-105	-50
Prayagraj	Koraon	Barhula Kalan	Barhula Kalan	Gram	13	12.9	167.7	11	12.35	135.85	-32	-19
Prayagraj	Koraon	Belhat	Belhat	Gram	11	13.6	149.6	10	12.18	121.8	-28	-19
Prayagraj	Koraon	Belvaniya	Belvaniya	Gram	21	12.4	260.4	18	10.93	196.74	-64	-24
Prayagraj	Koraon	Belvaniya	Latifpur	Gram	9	12.4	111.6	10	10.93	109.3	-2	-2
Prayagraj	Koraon	Belvaniya	Jamohara	Gram	13	12.4	161.2	11	10.93	120.23	-41	-25
Prayagraj	Koraon	Sipaua	Sipaua	Gram	81	11.9	963.9	78	12.03	938.34	-26	-3
			Total	9	295.00	12.50	3609.00	268.00	11.62	2988.05		
Prayagraj	Koraon	Badhiyari Kalan	Badhiwari Kalan	Wheat	504	32.2	16228.8	502	26.39	13247.78	-2981	-18
Prayagraj	Koraon	Ulda	Garan	Wheat	66	34.8	2296.8	65	25.21	1638.65	-658	-29
Prayagraj	Koraon	Jadipur	Jadipur	Wheat	287	30.2	8667.4	286	27.23	7787.78	-880	-10
Prayagraj	Koraon	Pathertal	Pathertal	Wheat	434	27.2	11804.8	435	22.08	9604.8	-2200	-19
Prayagraj	Koraon	Saimha	Saimha	Wheat	123	33.0	4059	139	21.79	3028.81	-1030	-25
Prayagraj	Koraon	Sipaua	Sipaua	Wheat	282	26.1	7360.2	281	21.35	5999.35	-1361	-18
Prayagraj	Koraon	Bashgarhi	Dhipatka	Wheat	169	33.6	5678.4	169	25.49	4307.81	-1371	-24
Prayagraj	Koraon	Kheri	Kheri	Wheat	451	27.6	12447.6	448	22.1	9900.8	-2547	-20
Prayagraj	Koraon	Koundi	Koundi	Wheat	381	38.3	14592.3	380	24.09	9154.2	-5438	-37
Prayagraj	Koraon	Mahuli	Mahuli	Wheat	237	46.0	10902	238	27.4	6521.2	-4381	-40
Prayagraj	Koraon	Babhan Patti	Purarochoai	Wheat	6	37.3	223.8	6	25.21	151.26	-73	-32

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District	Block	Gram Panchayat	Village	crop	Area (hect.)	Productivity (qt./hect.)	Production (qt.)	Area (hect.)	Productivity (qt./hect.)	Production (qt.)	Production decreased in comparison to 2018-19	Production decreased in per cent
Prayagraj	Koraon	Pasana	Pasana	Wheat	324	33.1	10724.4	349	25.74	8983.26	-1741	-16
Prayagraj	Koraon	Barhula Kalan	Barhula Kalan	Wheat	429	26.4	11325.6	424	28.18	11948.32	623	5
Prayagraj	Koraon	Ghoongha	Ghoongha	Wheat	215	18.9	4072.1	215	20.19	4340.85	269	7
Prayagraj	Koraon	Gohani	Barhula Khurd	Wheat	126	34.8	4384.8	124	23.37	2897.88	-1487	-34
Prayagraj	Koraon	Salaiya	Salaiya	Wheat	238	26.4	6285.58	238	37.65	8960.7	2675	43
Prayagraj	Koraon	Belhat	Belhat	Wheat	222	33.1	7350.42	224	39.17	8774.08	1424	19
Prayagraj	Koraon	Belvaniya	Belvaniya	Wheat	374	32.6	12173.7	372	15.18	5646.96	-6527	-54
Prayagraj	Koraon	Belvaniya	Latifpur	Wheat	33	32.6	1074.15	33	15.18	500.94	-573	-53
Prayagraj	Koraon	Belvaniya	Jamohara	Wheat	39	32.6	1269.45	38	15.18	576.84	-693	-55
Prayagraj	Koraon	Para	Para	Wheat	68	25.8	1751	69	22.76	1570.44	-181	-10
Prayagraj	Koraon	Babhan Patti	Babhan Patti	Wheat	195	37.3	7273.5	193	25.21	4865.53	-2408	-33
Prayagraj	Manda	Piyari	Bakhar	Wheat	38	35.4	1346.72	36	24.71	889.56	-457	-34
Mirzapur	Jamalpur	Jafarabad	Kashihar	Wheat	15	36.4	546.3	15	34.14	512.1	-34	-6
Mirzapur	Jamalpur	Dhelwaspur	Kakrahi	Wheat	119	38.1	4533.9	109	40.01	4361.09	-173	-4
Total				25	5375.00	32.39	168372.72	5388.00	25.40	136170.99		

Details of Production in selected villages in DCS

(in quintal)

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Dhasan Canal System							
Bagipura	Gram	53.24	208.95	322.20	335.40	111.67	200.80
Itauragang		15.24	83.58	128.88	206.40	85.90	37.65
Musahi		NA	NA	NA	NA	NA	NA
Sikraudha-Rath		187.48	342.87	588.48	358.15	419.31	211.00
Gugarwara		65.40	62.34	171.64	209.95	232.95	211.00
Dhanaura		43.52	116.73	104.24	393.75	430.11	194.75
Dhanauri		163.20	648.50	534.23	693.00	684.99	492.00

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Akauni		NA	NA	NA	NA	NA	NA
Dhagwan		666.12	267.80	239.66	170.73	394.68	667.92
Tolarawat		107.14	416.48	512.82	488.40	125.58	290.88
Jigani		NA	NA	NA	NA	NA	NA
Amarpurapatti		NA	NA	NA	NA	NA	NA
Itailiyaraja		NA	NA	NA	NA	NA	NA
Sirsa		NA	NA	NA	NA	NA	NA
Tolarkhagaran		NA	NA	NA	NA	NA	NA
Khajuri		5.95	167.35	333.89	499.95	306.35	192.21
Kachuakala		10.49	377.36	1623.51	1020.52	491.87	434.51
Beera		199.07	599.45	271.13	268.30	881.06	601.66
Pawai		72.14	105.91	106.81	122.79	186.70	NA
Bilgawan		NA	NA	NA	NA	NA	NA
Itailiyabaja		NA	NA	NA	NA	NA	NA
Jamangawan		NA	NA	NA	NA	NA	NA
Masoodpura		11.04	262.05	571.13	277.01	223.94	173.53
Lidhaurakhurd		NA	NA	NA	NA	NA	NA
Nagaraghat		208.76	533.23	239.33	120.99	203.91	131.59
Alipura		NA	NA	NA	NA	NA	NA
Nekpura		NA	NA	NA	NA	NA	NA
Patha		18.26	16.31	26.17	23.76	9.01	11.24
Barano		27.59	84.70	77.24	9.53	9.71	3.41
Total			1854.75	4293.61	5851.35	5198.63	4797.74
No. of village		16 villages	16 villages	16 villages	16 villages	16 villages	15 villages
Bagipura	Wheat	3812.82	5996.32	7258.10	6789.31	6755.21	6042.96
Itauragang		863.28	1226.52	1523.80	1387.87	1463.11	1079.10
Musahi		NA	NA	NA	NA	NA	NA
Sikraudha-Rath		1864.17	3105.46	2407.68	2482.90	3816.80	NA
Gugarwara		532.62	1661.06	1276.80	1241.45	1321.20	NA
Dhanaura		2819.96	2977.73	3817.80	6902.74	8180.00	5473.53
Dhanauri		8874.00	18502.40	24361.20	27502.54	32106.50	16988.88

Performance Audit of Outcomes in Surface Irrigation of Bansagar Canal Project and Lahchura Dam Project

Village	Crop	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Akauni		NA	NA	NA	NA	NA	NA
Dhagwan		5535.36	5541.41	9130.76	10647.59	9796.68	6868.40
Tolarawat		11992.16	18265.61	20271.92	18567.80	14324.72	NA
Tolakhagaran		NA	NA	NA	NA	NA	NA
Khajuri		5858.65	8586.95	9771.50	11020.76	9892.81	6413.10
Kachuakala		11320.80	19389.33	21859.69	22757.89	22069.58	14805.02
Jigani		NA	NA	NA	NA	NA	NA
Amarpurapatti		NA	NA	NA	NA	NA	NA
Itailiyaraja		NA	NA	NA	NA	NA	NA
Sirsa		NA	NA	NA	NA	NA	NA
Beera		11621.12	11069.86	9147.72	5405.52	13244.49	12819.19
Pawai		6895.93	13439.34	18714.83	17276.11	15224.41	10042.75
Bilgawan		NA	NA	NA	NA	NA	NA
Itailiyabaja		NA	NA	NA	NA	NA	NA
Jamangawan		NA	NA	NA	NA	NA	NA
Lidhaurakhurd		1315.94	4944.17	2651.38	4250.68	4919.58	N.A
Alipura		873.72	3081.21	1652.34	2666.55	3970.21	N.A
Masoodpura		757.71	4818.72	3358.19	4048.26	6740.73	N.A
Nagaraghat		552.60	6036.09	3402.54	15423.55	15871.29	N.A
Patha		53.39	279.81	242.78	354.32	554.90	N.A
Barano	241.80	1672.91	1199.76	2301.08	2524.11	N.A	
Nekpura	503.20	1218.74	704.28	1221.69	2177.71	N.A	
Total		76289.24	131813.65	142753.07	162248.62	174954.02	80532.9
Lidhaurakhurd	Paddy	NA	NA	NA	NA	NA	NA
Nagaraghat		NA	NA	NA	NA	NA	NA
No. of village		19 villages	19 villages	19 villages	19 villages	19 villages	9 villages

(Source: Data provided by Director, Agriculture Department and data collected from Chief Revenue Officer and Sub-Divisional Magistrate of test checked districts), NA-Not made available