

- (d) In view of (c) above, does not arise.

Completion of Irrigation Projects

1380. SHRI VIJAY JAWAHARLAL DARDA: Will the Minister of WATER RESOURCES be pleased to state:

(a) as nearly 56 percent foodgrains are produced from 47 million hectares from irrigated land, how the abnormal delay of 20 to 30 years in completing pending irrigation projects is likely to be reduced especially when the cost thereof is increasing manifold;

(b) whether resource crunch or land acquisition is responsible for such delays or it is procedural aberrations; and

(c) what is the percentage of escalation in cost of irrigation projects from their initial inception till 31st March, 2013 during the last ten years?

THE MINISTER OF WATER RESOURCES (SHRI HARISH RAWAT): (a) and (b) As per the Working Group Report on Major, Medium Irrigation for XII Plan formulation, 163 major/medium irrigation projects are considered to be delayed. Out of the above 163 Major/medium irrigation projects, there is an weighted average delay of 30 years in case of 77 major irrigation projects, and 20 years in case of 86 medium irrigation projects in the country.

The reasons for delay in implementation of the major/ medium irrigation projects as reported by the States Governments to the Working Group for the XII Plan Formulation, *inter-alia*, include paucity of funds, Inter-State problems, delays in land acquisition and environment and forest clearance processes. For surface minor irrigation schemes, reasons for delay in implementation as reported by the State Governments are law and order, paucity of funds, limited working season and land acquisition.

The above problems need to be addressed appropriately in order to avoid abnormal delays in execution extension of project.

(c) State-wise and project-wise details indicating percentage of cost escalation on original approved cost/ unapproved cost with respect to their latest approved cost/ cost considered for XII Plan formulation is given in Statement.

Statement

State-wise and Project-wise Details of Projects Reported ongoing at end of XI Five Year Plan (Delayed beyond Normal Gestation period of Completion)

Sl. No.	State	Project Name	Type of Project
1	2	3	4
1	Andhra Pradesh	AMR SLBC Project	Major
2	Andhra Pradesh	Indiramma Flood Flow Canal Project	Major
3	Andhra Pradesh	NTR Telugu Ganga Project (Final)	Major
4	Andhra Pradesh	Peddavagu Diversion Scheme Jagannathpur Project	Medium
5	Andhra Pradesh	Sri Komarambheem Project	Medium
6	Andhra Pradesh	Sri Rama Sagar Project Stage II	Major
7	Andhra Pradesh	Srisailam Right Bank Canal	Major
8	Assam	Borolia	Medium
9	Assam	Champamati	Major
10	Assam	Dhansiri	Major
11	Bihar	Batane Reservoir Project	Medium
12	Bihar	Bateshwarsthan Pump Canal Scheme	Major
13	Bihar	Durgawati Reservoir Project	Major
14	Bihar	North Koel Reservoir Project	Major
15	Bihar	Tilaiya Dhadhar Diversion Scheme	Major
16	Chhattisgarh	Sondur Reservoir Project	Major
17	Chhattisgarh	Sutiyapat Medium Project	Medium
18	Goa	Tillari	Major
19	Gujarat	Aji IV	Medium
20	Gujarat	Koliyari	Medium
21	Gujarat	Ozat II	Medium

Statement

State-wise and Project-wise Details of Projects Reported ongoing at end of XI Five Year Plan (Delayed beyond Normal Gestation period of Completion)

Approval Status by Planning Commission	Un approved Cost	Original Cost	Latest Estimated Cost (Appd.)*	Start Year	% of Cost Escalation**
5	6	7	8	9	10
UA	5635.38		6770.05	1983	20
UA	4729.26		4266.09	1997	-10
APD		220.22	4432	1983	1913
APD		124.64	124.62	2004	0
APD		202.59	274.14	2004	35
APD		697.7	1043.14	1995	50
APD		220.22	1185.58	1982	438
UA	135.43		135.93	1980	0
APD		15.32	147.24	1980	861
APD		401.24	596.16	1976	49
APD		4,0077	113.81	1976	2740
UA	389.31		348.6988	1978	-10
APD		25.3	983.1	1976	3786
UA	814.72		1306.16	1971	60
UA	301.79		155.16	1979	-49
UA	635.75		624.39	1978	-2
APD		16.95	98.6173	2003	482
APD		217.22	1612.15	1987	642
UA			132.62	1998	
APD		6.26	37.71	1996	502
APD		43.03	99.52	1995	131

1	2	3	4
22	Gujarat	Sardar Sarovar (Narmada) Project	Major
23	Jharkhand	Garhi Reservoir Scheme	Medium
24	Jharkhand	Konar Irrigation Project	Major
25	Jharkhand	North Koel Reservoir Project	Major
26	Jharkhand	Punasi Reservoir Scheme	Major
27	Jharkhand	Subernarekha Multipurpose Project	Major
28	Jharkhand	Suru Reservoir Scheme	Medium
29	Karnataka	Amarja Project	Medium
30	Karnataka	Bassapur Lift Irrigation Scheme	Medium
31	Karnataka	Bennithora Project	Major
32	Karnataka	Bhima Lift Irrigation Scheme	Major
33	Karnataka	Dhudhaganga Project	Major
34	Karnataka	Hemavathy	Major
35	Karnataka	Hippargi Irrigation Project	Major
36	Karnataka	Hucchanakoppal U LIS	Medium
37	Karnataka	Kachenahalli	Medium
38	Karnataka	Lowermullamari	Medium
39	Karnataka	Nanjapura LIS	Medium
40	Karnataka	Varahi Irrigation Project	Major
41	Karnataka	Y. Kaggal	Medium
42	Karnataka	Yagachi	Medium
43	Kerala	Banasura sagar irrigation project	Medium
44	Kerala	Karapuzha Irrigation Project	Medium
45	Kerala	Muvattupuzha Valley Irrigation Project	Major
46	Madhya Pradesh	Ban Sagar Major Project Canal Unit II	Major

5	6	7	8	9	10
APD		6406.04	39240.45	1987	513
UA	121.63		121.11	2001	0
UA	348.38		469.23	1975	35
UA	1289.5		707	1973	-45
UA	593.43		586.55	1982	-1
APD		357.7	6613.74	1978	1749
UA	96.3232		100.625	1982	4
UA	278		304.44	1973	10
UA	9.36		29.414	1992	214
UA	389.5		480.94	1973	23
UA	20		551.93	1993	2660
UA	278		309.8	1992	11
UA	3877		133828.82	1967	245
APD		186.7	1521.78	1973	715
UA	50		53.43	1986	7
UA	165		56.66	1993	-66
UA	8.4		220	1973	2519
UA	31.6		68.7208	1998	117
UA	10		569.53	1979	5595
UA	13		55.81	2004	329
UA	35.38		401.89	1983	1036
APD		150.12	185.5	1999	24
APD		7.6	441.5	1978	5709
APD		48..08	878	1983	1726
APD		47.4	2143.65	1978	4422

1	2	3	4
47	Madhya Pradesh	Bardha Dam	Medium
48	Madhya Pradesh	Bargi Diversion Project	Major
49	Madhya Pradesh	Indira Sagar Project (Canal)	Major
50	Madhya Pradesh	Jobat	Medium
51	Madhya Pradesh	Kanera L.I.S.	Major
52	Madhya Pradesh	Kushalpura Medium Project	Medium
53	Madhya Pradesh	Mahuar Medium Project	Medium
54	Madhya Pradesh	Man	Major
55	Madhya Pradesh	Pench Diversion Project	Major
56	Madhya Pradesh	Rajiv Sagar Project	Major
57	Madhya Pradesh	Rani Awanti Bai Lodhi Sagar Project	Major
58	Madhya Pradesh	SAS Project Phase 2	Medium
59	Madhya Pradesh	Sindh Phase I	Major
60	Madhya Pradesh	Upper Beda	Medium
61	Maharashtra	Ambehoal	Medium
62	Maharashtra	Andhali Project	Medium
63	Maharashtra	Andra Valley	Medium
64	Maharashtra	Arjuna	Medium
65	Maharashtra	Arunawati Major Project	Major
66	Maharashtra	Ashti Lift Irrigation Scheme	Major
67	Maharashtra	Barshi Lift Irrigation Scheme	Major
68	Maharashtra	Bawanthadi Interstate Project	Major
69	Maharashtra	Bembla	Major
70	Maharashtra	Bhama Askhed	Major
71	Maharashtra	Bhatsa	Major
72	Maharashtra	Bhima Sina Link Canal Scheme	Medium
73	Maharashtra	Chaskaman	Major
74	Maharashtra	Chikotra	Medium
75	Maharashtra	Chihewadi Medium Project	Medium
76	Maharashtra	Chitri	Medium

5	6	7	8	9	10
UA	2.32		12.721	2000	448
APD		1101.23	5127.22	1979	366
APD		405.4	3182.77	1992	685
APD		30.75	230.61	1984	650
UA	117.76		117.88	1980	0
UA	83.97		83.97	2003	0
APD		10.99	191.27	1980	1640
APD		44.1	246.03	1997	458
APD		583.4	1286.46	1987	121
APD		1181.75	1407.19	1976	19
UA	1514.89		1793.14	1971	18
UA	32.6825		66.7154	2004	104
UA	56.42		32.741	1974	-42
APD		87.86	208.6	2003	137
UA	29.31		114.93	2001	292
UA	17.97		19.01	1986	6
UA	34.46		103.55	1997	200
UA	476.49		432.08	2001	-9
APD		66.48	331.18	1980	398
UA	134.82		137.26	1997	2
UA	197.07		214.12	1997	9
APD		11.65	749.33	1975	6332
APD		190.36	2176.28	1992	1043
UA	63.14		575.84	1995	812
APD		13.68	1092.66	1969	7887
UA	304		304.8	1997	0
APD		10.65	728.49	1977	6740
UA	4.28		137.94	1997	3123
UA	194.23		145.68	1998	-25
UA	12.3		100.1	1992	714

1	2	3	4
77	Maharashtra	Dahigaon Lift Scheme	Major
78	Maharashtra	Dara Project	Medium
79	Maharashtra	Dehali Project	Medium
80	Maharashtra	Deoghar	Medium
81	Maharashtra	Dhamani	Medium
82	Maharashtra	Dhom Balkawadi Project	Major
83	Maharashtra	Dudhganga	Major
84	Maharashtra	Ekruxh Lift Irrigation Scheme	Major
85	Maharashtra	Gadnadi	Medium
86	Maharashtra	Ghataprabha	Medium
87	Maharashtra	Gosikhurd National Project	Major
88	Maharashtra	Hetawane	Medium
89	Maharashtra	Human	Major
90	Maharashtra	Jam Medium Project	Medium
91	Maharashtra	Jambre	Medium
92	Maharashtra	Jamkhedi Project	Medium
93	Maharashtra	Janal Shirsal Lift Irrigation Scheme	Major
94	Maharashtra	Jangamhatti	Medium
95	Maharashtra	Kadvi	Medium
96	Maharashtra	Kalmodi	Medium
97	Maharashtra	Kalpathri Medium Project	Medium
98	Maharashtra	Kar River Project	Medium
99	Maharashtra	Kasari	Medium
100	Maharashtra	Katangi Medium Project	Medium
101	Maharashtra	Khadakpurna Major Project	Major
102	Maharashtra	Korle Satandi	Medium
103	Maharashtra	Krishna Koyna Lift Irrigation Project	Major
104	Maharashtra	Krishan Project	Major
105	Maharashtra	Kudali Project	Medium
106	Maharashtra	Kumbhi	Medium
107	Maharashtra	Lal Nalla Project	Medium
108	Maharashtra	Lendi Interstate Project	Major

5	6	7	8	9	10
UA	178.99		178.99	1997	0
UA	117.62		73.8	1987	-37
UA	91.5		91.5	1984	0
UA	353.7		353.7	1987	0
UA	120.23		691.43	2000	475
APD		475.29	848.89	1997	79
APD		1457.6	1712.8	1976	18
UA	169.09		175.92	1997	4
UA	651.95		651.95	1987	0
UA	34.92		127.16	1997	264
APD	0	372.22	7777.85	1983	1990
UA	413.34		413.34	1986	0
APD		33.68	1016.49	1983	2918
UA	188.9		188.9	1984	0
UA	17.3		148.77	2000	760
UA	48		48	1993	0
UA	56.92		411.7	1994	623
UA	3.5		30.32	1981	766
UA	3.47		110.33	1986	3074
UA	54.31		160.53	2000	196
APD		9.77	82.17	2004	741
APD		170.04	226.51	1980	33
UA	6.16		35.62	1983	478
APD		9.66	82.7	1996	751
APD		578.56	917.95	1994	59
UA	121.76		205.03	2002	68
APD		82.43	1916.59	1984	2225
UA	906.66		1115.46	1968	23
APD		271.79	425.32	1997	56
UA	4.61		85.09	1981	1746
APD		103.49	202.51	1994	96
UA	554.55		624.57	1986	13

1	2	3	4
109	Maharashtra	Lower Chulband Medium Project	Medium
110	Maharashtra	Lower Panzara Medium Project	Medium
111	Maharashtra	Lower Wardha Major Project	Major
112	Maharashtra	Manikpunj Project	Medium
113	Maharashtra	Mhaswad R.B.C. K.M. 1 to 60	Medium
114	Maharashtra	Morna (Gureghar) Project	Medium
115	Maharashtra	Nagan Project	Medium
116	Maharashtra	Nagewadi Project	Medium
117	Maharashtra	Nardave	Medium
118	Maharashtra	Navargaon	Medium
119	Maharashtra	New Gated Weir Khodshi	Major
120	Maharashtra	Nira Deoghar	Major
121	Maharashtra	Patgaon	Medium
122	Maharashtra	Pentkli	Major
123	Maharashtra	Prakasha Burai L.I.S.	Medium
124	Maharashtra	Punand Project	Major
125	Maharashtra	Purna	Medium
126	Maharashtra	Sapan	Medium
127	Maharashtra	Sarangkheda Barrage	Medium
128	Maharashtra	Shirapur Lift Irrigation Scheme	Major
129	Maharashtra	Shivan Project	Medium
130	Maharashtra	Sina Bhose Khind Tunnel	Medium
131	Maharashtra	Sina Kolegaon Project	Major
132	Maharashtra	Sonapur Tomta LIS	Medium
133	Maharashtra	Sulwade Barrage	Medium
134	Maharashtra	Surya	Major
135	Maharashtra	Tarali Project	Major
136	Maharashtra	Tembhu Lift Irrigation Scheme	Major
137	Maharashtra	Temghar	Major
138	Maharashtra	Tillari Interstate Irrigation Project	Major
139	Maharashtra	Urmodi Project	Major

5	6	7	8	9	10
UA	1016.49		117.19	1995	-88
APD		347.31	347.3	1989	0
APD		857.7	2356.57	1980	175
UA	51.92		51.92	1999	0
UA	4.82		4.82	1978	0
APD		129.641	197.9	1996	53
UA	125		92.82	1990	-26
UA	51.95		64.9	1994	25
UA	446.7		446.7	2001	0
APD		8.72	70.7	1987	711
UA	27.73		27.732	1979	0
UA	61.67		7785.36	1996	12524
UA	5.4		150.48	1983	2687
APD	0	16.85	230.27	1989	1267
UA	110.1		111.1	2001	1
APD		29.92	340.56	1982	1038
APD		123.79	213.1	1995	72
APD		1200.7	753.16	2000	-37
APD		202.97	275..48	1999	36
UA	177.62		181.38	1997	2
UA	73.8		73.8	1994	0
UA	117.54		117.54	2001	0
UA	455.28		455.28	1993	0
UA	50.82		50.82	1997	0
APD		290.88	290.88	1995	0
APD		18.9	781.78	1973	4036
APD		504.96	870.9	1997	72
APD		3450.35	3358.43	1996	-3
UA	70.51		323.53	1997	359
APD		217.22	1612.15	1982	642
UA	1324.14		1323.69	1997	0

1	2	3		4
140	Maharashtra	Utawali	Medium	APD
141	Maharashtra	Uttarmand Project	Medium	APD
142	Maharashtra	Wadi Shewadi Project	Medium	UA
143	Maharashtra	Waghur	Major	APD
144	Maharashtra	Wan	Major	APD
145	Maharashtra	Wang Project	Medium	APD
146	Maharashtra	Wama	Major	APD
147	Manipur	Khuga Multipurpose Project Manipur	Medium	APD
148	Manipur	Thoubal Multipurpose Project Manipur	Major	APD
149	Orissa	Baghalati Irrigation Project	Medium	APD
150	Orissa	Chheligada Dam Project	Medium	APD
151	Orissa	Deo Irrigation Project	Medium	APD
152	Orissa	Manjore Irrigation Project	Medium	APD
153	Orissa	Rajua Irrigation Project	Medium	UA
154	Orissa	Rengali Left Bank Canal II	Major	APD
155	Orissa	Rengali Bight Bank Canal Project	Major	APD
156	Orissa	Ret Irrigation Project	Medium	APD
157	Orissa	Rukura Irrigation Project	Medium	APD
158	Orissa	Subarnarekha Irrigation Project	Major	APD
159	Orissa	Telengiri Irrigation Project	Medium	APD
160	Uttar Pradesh	Bansagar Project	Major	APD
161	Uttar Pradesh	Kanhar Irrigation Project	Major	APD
162	West Bengal	Subarnarekha Barrage Project	Major	UA
163	West Bengal	Teesta Barrage Project	Major	APD

77 Major, 86 Medium

* Shaded Values in Col. 8 indicate the considered cost for XII Plan formulation instead of Latest Estimated Approved Cost.

**Negative values in Col. 10 indicate latest Estimated Cost (LEC) less than Unapproved Cost
UA – Unapproved

APD – Approved

5	6	7	8	9	10
	35.78	109.64	1999	206	
	123.169	123.17	1997	0	
258.33		258.33	1993	0	
	12.28	1183.55	1978	9538	
	13.37	276.32	1979	1967	
	162.78	317.67	1997	95	
	337.81	2149.95	1976	536	
	15	381.28	1983	2442	
	47.25	982	1980	1978	
	45.44	152.95	1996	237	
	52.96	201.01	2003	280	
	52.22	366.66	1997	602	
	37.7	99.53	1996	164	
17.65		18.35	1999	4	
	705.15	1958.34	1997	178	
	738.27	1290.93	1996	75	
	86.14	348.66	2003	305	
	25.22	207.35	1999	722	
	790.32	4049.93	1987	412	
	106.18	474.05	2003	346	
	330.19	3148.91	1997	854	
	652.58	0	1977	-100	
2032.69		2022	1991	-1	
	69.72	2988.61	1976	4187	