

Govt. of Bihar
Public Health Engineering Department

Year- 2010-11

Contingent Plan for Drinking water supply during the Drought

Public Health Engineering Department is the Nodal agency for providing safe drinking water to rural areas. Generally, drinking water supply is provided through dispersed sources such as different types of Hand pumps. In some areas it is done through Hand pumps as well as Piped Water Supply Schemes in which water supply is provided through stand posts and vats. During drought or prolonged failure of monsoon, the ground water and surface water sources are affected adversely, resulting the non-functioning of existing water sources created for drinking water supply. Under these circumstances, the department has to ensure drinking water supply to avoid crisis for human beings. In the light of in-sufficient rains or deficit in rainfall during the current rainy season a contingency plan has been prepared by the department.

In this contingent plan, following provisions for Rural and Urban areas have been made:

For Rural areas

1. 28 districts of the State are under drought like situation due to in-sufficient rains or deficit in rainfall in the monsoon. Of these 28 districts, 17 districts, which are south to river Ganga, are badly affected. Since the water table has either gone down in many areas or is below normal resulting **the non-functioning** of many shallow hand pumps. In order to maintain drinking water supply, it is essential to keep the hand pumps functional. A scheme amounting to **Rs. 1902.70 lakhs** was sanctioned during the fag end of the year 2009-10 for repairing of **1,05,240 nos. of hand pumps for the entire state, out of which 76,903 nos. of hand pumps are to be repaired in the 28 districts.** So far, 59,987 nos. of hand pumps have been repaired till 30.07.2010.

2. In addition to this, during current financial year 2010-11, a scheme for **repairing of 1,05,759 nos. of hand pumps** has been sanctioned at an estimated cost of Rs. 2048.93 lakhs, for the entire state, out of which 77,422 nos. of hand pumps are to be repaired and made functional in the drought affected 28 districts.
3. In order to maintain the level of existing drinking water supply in rural areas, rejuvenation/rehabilitation of existing old defunct tube wells is required. A scheme amounting to **Rs.5388.675 lakhs** had been sanctioned for rejuvenation/special repair of **34,591 nos. of hand pumps** in 2009-10 for 28 districts and the work is in progress. The district wise target is at **Annexure- I**
4. In some parts of 17 drought affected districts, water table had gone down during last year resulting in non-functioning of hand pumps. For such areas, a scheme for rehabilitation of **7721 nos.** of hand pumps with **India Mark- III pumps** was sanctioned, so that water can be drawn even after water table goes down to 24 meter. Work under this scheme is in progress. In addition to this, a scheme for sinking of **19,362 nos.** hand pumps was also sanctioned for the 30 districts, which covers all the 28 drought affected districts. The total cost comes of the above 2 schemes comes to Rs. 13050.51 lakhs. (**Annexure-II attached**)
5. In the light of the problem arisen during last year drought situation, it was felt that in some villages of the state, Mini Piped Water Supply schemes are required to be taken up meet the crisis. Accordingly, **1560 nos.** Mini piped water supply schemes with **electric pumps** had been sanctioned for 28 districts and work has just started in some places. (**Annexure- III attached**)
6. There are some villages where ground water is available at deep strata and electricity is also not available. For such areas, it was felt that deep tube wells and pumps with solar panel are to be installed to overcome the crisis and accordingly **473 nos. schemes** had been sanctioned for 28 districts. Work is likely to start soon. (**Annexure- IV attached**)

7. As 28 districts are under drought like situation and some villages/habitations may have water scarcity problem, there is a need for immediate supply of drinking water. For this purpose, it is proposed to **transport drinking water** to such villages/habitations through tankers/PVC tanks. For transporting the water, tractors will be hired at local level. It is expected that nearly **10371 villages/habitations** may have such problem and drinking water will have to be transported to such villages/habitations. Accordingly, provision has been made for transporting drinking water for such water scarce villages/habitations. District wise details are enclosed at **Annexure-V**.
8. In rural areas, drinking water supply is also done through piped water supply schemes. These schemes are also need to be kept functional. Provision **for up keep of 251 nos. of rural piped water supply schemes** has also been made for which additional funds are required.
9. Maintenance of urban water supply is also done by the department in most of the urban areas. For maintaining the drinking water supply level in urban areas, up keep of existing schemes is essential. Hand pumps were also installed in urban areas for drinking water supply. **Rehabilitation/ rejuvenation/ special repair** of non-functional hand pumps will be required. In some towns, transportation of water may also be required. Accordingly, provision has been made for above works. District wise details are being enclosed. (**Annexure-VI attached**).
10. Regular monitoring and supervision of these works will be required during this period of crisis. In addition to this, emergency repairing gangs and spare parts of hand pumps will have to be made available to meet the challenge. It has been proposed to set up one **control room** in each P.H division for monitoring and supervision of the above works. A model estimate for control rooms is enclosed at **Annexure-VII**.

Additional funds for the work mentioned at serial no.- 7,8,9&10 will be required, which comes to Rs. 77.03 crores.

The total cost of the **contingent plan comes to Rs. 585.25 crores.**
Abstract of cost and details of different components of the contingent plan are being enclosed.

Action Plan for mitigation of drinking water crisis in drought affected areas.

S.No	Strategy	Sanctioned/Proposed Schemes with estimated cost	Activity	Period
1.	During drought like situation existing infrastructure related to drinking water should be kept functional.	Department had already sanctioned a scheme amounting to Rs. 19.02 crore for repairing of 105240 nos of Hand Pumps during the year 2009-10 which is under implementation. In addition, to this a scheme amounting to Rs. 20.48 crores for repairing of 1,05,759 hand pumps has been sanctioned during current financial year 2010-11.	To cope with this problem of water table depletion in T/wells, the riser pipe is added and also suction pipe of special T/wells is increased. In addition to regular repair and maintenance of hand pumps, quick recovery of the break down hand pumps is also proposed to be taken up.	Up to March' 2011
2.	In order to maintain the level of drinking water supply in rural areas, rejuvenation/ rehabilitation of existing old defunct tube wells is required.	A scheme has been sanctioned for rehabilitation /rejuvenation/special repair of 34,591 nos. of hand pump in 28 districts.	Special repair/rehabilitation of hand pumps is going on and 3513 nos. of hand pumps have been rehabilitated/rejuvenated till 30.07.10	Up to March, 2011
3.	In some parts of 17 drought affected districts, water table	A Scheme has been sanctioned for 7721 nos. of hand pumps and work is	Construction of deep tube wells with I.M- III pumps are going to meet	Up to March' 2011

	had gone down during last year resulting in non-functioning of hand pumps. For such areas, hand pumps should be sunk to deeper aquifer with India Mark-III hand pumps so that they can be able to draw water even after water table goes down to 24 mtr.	under progress. In addition to this, a scheme for sinking of sustainable hand pumps has also been sanctioned. Thus, total nos. of 27,083 sustainable hand pumps are to be installed for which cost is Rs. 130.50 crores.	the crisis.	
4.	Rural piped water supply schemes should also be kept functional.	A provision for up keep of 251 rural piped water supply schemes is proposed at an estimated cost of Rs. 5.02 crores.	The Department in touch with B.S.E.B for regular power supply and replacement of old burnt transformers. Schemes where electric power is not available, Gen sets will be provided to run to the scheme.	Dec' 2010
5.	Mini piped water supply scheme based on deep tube where sufficient Water bearing strata is available.	In some villages, deep tube well will be constructed and electric pump is to be installed . 1560 nos. such schemes had been sanctioned at an estimated cost of Rs. 230.88 crores.	The work of Deep boring has been started in nearly 10 schemes.	Up to June' 2011
6.	There are some	A scheme amounting to Rs	The work of deep Tube	Up to

	areas where ground water is available at deep strata and electricity is also not available. For such areas deep tube well and pump with solar panels need to be installed.	92.94 crores for 473 nos. Mini piped water supply schemes with solar pump sanctioned	well boring will be started soon.	June' 2011
7.	28 districts are under drought like situation and some villages will be having water scarcity problem. For immediate solution for drinking water, it has been proposed to transport drinking water to such villages through tankers/PVC tanks.	It is expected that nearly 10371 villages/habitations will be facing such problem for which 49.02 crores will be required. Additional fund will be required for this work.	Field officers have already been directed to survey problematic area and after identifying the villages and the source, submit the plan for carrying water from source to the villages.	Till the villages do not have other adequate drinking water sources.
8.	For maintaining the drinking water supply level in urban areas, up keeping of existing piped water supply schemes is required. Rehabilitation / rejuvenation/ special repair of old defunct hand pumps will be required. In some towns transportation of water may also be required. Accordingly the provision has been made for above works.	18.56 crores will be required for this works. Additional fund will be required for this work.	This activity will start after availability of additional fund	March' 2011
9.	Regular	It has been proposed to	Direction has been	Till the

	<p>monitoring and supervision of these schemes will be required. Addition to this emergency repairing gang and spare parts of hand pumps will have to be ensured to meet the challenges.</p>	<p>setup one control room in each P.H. Division of drought affected 28 districts for monitoring and supervision of the above works.</p>	<p>issued to field officers to open Control Room in each district.</p>	<p>state is relieved from the drought like situation</p>
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Annexure- VII

Cost for setting up Control Room with spare parts for redressal of emergent problems & monitoring

Sl. No.	Particulars	Amount in (Rs)
1	Two gangs for hand pump repair in emergency (one mistry & two khalasi in each gang) for 120 days.	1,32,000.00
2	One gang for pump & motor repair in emergency (one mechanic & one helper in each gang) for 120 days.	60,000.00
3	Spare parts of hand pumps & tools	2,00,000.00
4	10 H.P. Submersible Pump electric starters/other accessories. – 8 nos.	8,00,000.00
5	Hiring One Jeep –Rs. 1500/ per day for 4 months	1,80,000.00
Sub Total :		13,72,000.00
Add 1% contingency		13720.00
Total :		13,85,720.00
Say		13.86 Lakhs

Govt of Bihar

Public Health Engineering Department

**Abstract of Contingency Plan for tackling Drinking Water crisis in
28 districts of Bihar**

Sl.No.	Name of Schemes	Nos.	Amount (in Lakh)	Remarks
1	2	3	4	5
1	Rehabilitation/ Rejuvenation/Special repair of hand pump.	34591	5388.675	
2	Sinking of sustainable Tubewell with India Mark-III pump.	27083	13050.510	
3	Upkeeping of running Rural Piped Water Supply Schemes.	251	502.00	
4	Mini piped water supply Scheme in small villages with electric pump.	1560	23088.00	
5	Mini piped water supply Scheme in remote villages with solar pump.	473	9294.45	
6	Transportation of Drinking water to scarce villages/habitations.	10371	4902.43	
7	Upkeeping of drinking water supply & transport of drinking water for Urban areas.	28 Towns	1856.00	
8	Setting up control room with spare parts of hand pump, motor pumps, and labour gang for redressal the problem immediately, supervision & monitoring in each P.H division.	32	443.52	
Total			58525.585	
			say	585.25 crores

(Rupees five hundred eighty five crores twenty five lacs only)

In the above contingency plan funds are required

(Rs. in lakhs)

(i) Transportation of Drinking water to scarce villages/habitation.	4902.43
(ii) Up keeping of Rural piped water supply	502.00
(iii) Up keeping of drinking water supply for urban areas	1856.00
(iv) Setting up Control Room with spare parts and other accessories	443.52
Total	7703.95
say	77.03 crores

(Rupees seventy seven crores three lacs only)

ANNEXURE - I

Rehabilitation/Special Repair Scheme for non-functional Tubewell in Rural areas of Bihar State.

Sl. No.	Name of District	Name of Public Health Division	80mm X 40 mm X 61 M Tubewell	40 mmX 61 M Tubewell	40 mm X 46 M Tubewell	40 mm X 14 M Tubewell	Tubewell with Raised Platform (for flood affected area)	Drilled Tubewell with I M III	Total	Financial Target (In Rs. Lakh)
1	2	3	4	5	6	7	8	9	10	11
1	Patna	Patna (East)	858	0	0	0	0	0	858	138.320
		Patna (West)	1116	0	0	0	0	0	1116	179.900
2	Nalanda	Biharsarif	1135	0	0	0	0	0	1135	182.962
		Hilsa	546	0	0	0	0	0	546	88.017
3	Bhojpur	Aara	825	0	0	0	0	0	825	133.000
4	Buxer	Buxer	915	0	0	0	0	0	915	147.500
5	Rohtash	Sasaram	1152	0	0	0	0	141	1293	241.427
6	Kaimur	Bhabhua	885	0	0	0	0	300	1185	261.220
7	Gaya	Gaya	1157	0	0	0	0	300	1457	305.070
8	Jehanabad	Jehanabad	855	0	0	0	0	11	866	142.174
9	Arwal	Arwal	468	0	0	0	0	0	468	75.442
10	Nawada	Nawada	794	0	0	0	0	222	1016	215.728
11	Aurangabad	Aurangabad	932	0	0	0	0	216	1148	235.603
12	Saran	Chapra	100	500	2054	0	0	0	2654	242.942
13	Muzaffarpur	Muzaffarpur	0	0	1370	0	500	0	1870	209.686
14	Sitamarhi	Sitamarhi	0	0	483	0	300	0	783	97.743
15	Madhubani	Madhubani	0	400	386	0	300	0	1086	135.111
16	Siwan	Siwan	50	350	904	0	0	0	1304	122.637
17	East Champaran	Motihari	0	0	512	0	300	0	812	100.111
		Dhaka	0	0	660	0	400	0	1060	131.648
18	Sheohar	Sheohar	0	0	106	0	50	0	156	18.402
19	Vaishali	Hajipur	100	900	832	0	400	0	2232	264.160
20	Darbhanga	Darbhanga	0	500	493	0	300	0	1293	155.321
21	Samastipur	Samastipur	0	700	1034	0	500	0	2234	261.316
22	Begusarai	Begusarai	0	500	492	0	300	0	1292	155.238
23	Munger	Munger	507	0	506	0	0	106	1119	165.517
24	Sekhpura	Sekhpura	383	0	0	0	0	41	424	77.943
25	Lakhisarai	Lakhisarai	197	0	0	0	0	29	226	43.218
26	Jamui	Jamui	274	0	0	0	0	687	961	315.672
27	Bhagalpur	Bhagalpur (East)	650	0	0	0	0	3	653	105.967
		Bhagalpur (West)	350	0	0	0	0	0	350	56.420
28	Banka	Banka	480	0	0	0	0	774	1254	383.261
Total			14729	3850	9832	0	3350	2830	34591	5388.675

Annexure- II**Construction of sustainable hand pumps**

Sl. No.	District	P.H. Division	125mm x 40mm x 61 M Tubewell	Gravel Packed Tube well	Drilled Tube well	Tube well with IRP	Tube well with Raised platform	Total	Amount (in lakhs)
1	2	3	4	5	6	7	8	9	10
1	Patna	Patna (East)	649	0	0	0	0	649	298.481
		Patna (West)	1194	0	0	0	0	1194	549.106
2	Nalanda	Biharsarif	730	166	0	0	0	896	413.268
		Hilsa	443	121	0	0	0	564	261.058
3	Bhojpur	Aara	1254	0	0	0	0	1254	576.726
4	Buxer	Buxer	781	0	0	0	0	781	359.189
5	Rohtash	Sasaram	838	335	180	0	0	1353	629.432
6	Kaimur	Bhabhua	481	200	150	0	0	831	385.878
7	Gaya	Gaya	422	860	550	0	0	1832	859.470
8	Jehanabad	Jehanabad	322	170	20	0	0	512	239.815
9	Arwal	Arwal	224	150	0	0	0	374	175.990
10	Nawada	Nawada	548	320	161	0	0	1029	480.196
11	Aurangabad	Aurangabad	457	440	220	0	0	1117	523.171
12	Saran	Saran	990	0	0	0	0	990	500.94
13	Muzaffarpur	Muzaffarpur	1161	0	0	0	0	1161	587.466
14	Sitamarhi	Sitamarhi	822	0	0	0	0	822	415.932
15	Madhubani	Madhubani	1097	100	0	0	0	1197	608.582
16	Siwan	Siwan	879	0	0	0	0	879	444.774
17	East Champaran	Motihari	663	0	0	0	0	663	335.478
		Dhaka	567	0	0	0	0	567	286.902
18	Sheohar	Sheohar	159	0	0	0	0	159	80.454
19	Vaishali	Hajipur	870	0	0	0	0	870	440.22
20	Darbhanga	Darbhanga	990	0	0	0	0	990	500.94
21	Samastipur	Samastipur	1083	60	0	0	0	1143	580.098
22	Begusarai	Begusarai	711	60	0	0	0	771	391.866
23	Munger	Munger	136	330	90	0	0	556	263.560
24	Sekhpura	Sekhpura	77	220	0	0	0	297	142.460
25	Lakhisarai	Lakhisarai	140	270	30	0	0	440	209.280
26	Jamui	Jamui	0	502	340	0	0	842	397.148
27	Bhagalpur	Bhagalpur (East)	358	563	20	0	0	941	447.540
		Bhagalpur (West)	133	258	0	0	0	391	186.640
28	Banka	Banka	0	563	455	0	0	1018	478.450
Total			19179	5688	2216	0	0	27083	13050.510

Annexture- III				
Mini Piped Water Supply Schemes with electric pump in 26 drought affected districts.				
(Rs. in lakhs)				
Sl. No	District	P.H.Division	Mini Piped Water Supply Schemes with electric pump.	
			Nos.	Amount (Unit cost Rs14.80 lakhs)
1	2	3	4	5
1	Patna	Patna (East)	35	518.00
		Patna (West)	40	592.00
2	Nalanda	Biharsarif	55	814.00
		Hilsa	25	370.00
3	Bhojpur	Aara	70	1036.00
4	Buxer	Buxer	70	1036.00
5	Rohtash	Sasaram	80	1184.00
6	Kaimur	Bhabhua	80	1184.00
7	Gaya	Gaya	80	1184.00
8	Jehanabad	Jehanabad	45	666.00
9	Arwal	Arwal	30	444.00
10	Nawada	Nawada	75	1110.00
11	Aurangabad	Aurangabad	75	1110.00
12	Saran	Saran	45	666.00
13	Muzaffarpur	Muzaffarpur	45	666.00
14	Sitamarhi	Sitamarhi	45	666.00
15	Madhubani	Madhubani	25	370.00
16	Siwan	Siwan	45	666.00
17	East Champaran	Motihari	25	370.00
		Dhaka	15	222.00
18	Sheohar	Sheohar	20	296.00
19	Vaishali	Hajipur	45	666.00
20	Darbhanga	Darbhanga	25	370.00
21	Samastipur	Samastipur	25	370.00
22	Begusarai	Begusarai	45	666.00
23	Munger	Munger	80	1184.00
24	Sekhpura	Sekhpura	45	666.00
25	Lakhisarai	Lakhisarai	30	444.00
26	Jamui	Jamui	80	1184.00
27	Bhagalpur	Bhagalpur (East)	40	592.00
		Bhagalpur (West)	40	592.00
28	Banka	Banka	80	1184.00
Total			1560	23088.00

Annexure- IV				
Mini Piped Water Supply Schemes with solar pump in 26 drought affected districts.				
(Rs. in lakhs)				
Sl. No	District	P.H.Division	Mini Piped Water Supply Schemes with solar pump	
			Nos.	Amount (Unit cost Rs.19.65 lakhs)
1	2	3	4	5
1	Patna	Patna (East)	10	196.50
		Patna (West)	12	235.80
2	Nalanda	Biharsarif	15	294.75
		Hilsa	8	157.20
3	Bhojpur	Aara	20	393.00
4	Buxer	Buxer	20	393.00
5	Rohtash	Sasaram	22	432.30
6	Kaimur	Bhabhua	22	432.30
7	Gaya	Gaya	23	451.95
8	Jehanabad	Jehanabad	12	235.80
9	Arwal	Arwal	10	196.50
10	Nawada	Nawada	20	393.00
11	Aurangabad	Aurangabad	22	432.30
12	Saran	Saran	8	157.20
13	Muzaffarpur	Muzaffarpur	8	157.20
14	Sitamarhi	Sitamarhi	8	157.20
15	Madhubani	Madhubani	15	294.75
16	Siwan	Siwan	8	157.20
17	East Champaran	Motihari	15	294.75
		Dhaka	10	196.50
18	Sheohar	Sheohar	15	294.75
19	Vaishali	Hajipur	8	157.20
20	Darbhanga	Darbhanga	15	294.75
21	Samastipur	Samastipur	15	294.75
22	Begusarai	Begusarai	8	157.20
23	Munger	Munger	22	432.30
24	Sekhpura	Sekhpura	20	393.00
25	Lakhisarai	Lakhisarai	20	393.00
26	Jamui	Jamui	20	393.00
27	Bhagalpur	Bhagalpur (East)	10	196.50
		Bhagalpur (West)	10	196.50
28	Banka	Banka	22	432.30
Total			473	9294.45

Annexure- V

Transportation of drinking water for the villages under drought (severely affected)

Sl. No.	Name of District	Name of Division	No of villages / Tolas	Physical Target (In nos.)				Financial Target (Rs. In lakh)						
				PVC tank 1000/500 litres capacity with staging	Cattle trough of brick masonry	PVC tank 1500 litres capacity for carrying water on tractor with trailer.	Nos. of hiring tractor with trailer for transportation of water	Provision for Hiring of Jeep for supervision of work	PVC tank 1000/500 litres capacity with staging @ Rs. 10000/- each	Cattle trough of brick masonry @ Rs. 15000/- each	PVC tank carrying water on tractor .	Nos. of hiring tractor with trailer for transportation of water @ 2000/- per day with fuel for 120 days(Four month)	Provision for Hiring of Jeep for supervision of work(including cost of Diesel/mo bile etc) @Rs. 1500 /- for 120 days(four month	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Patna	Patna E Patna W	970 1582	194 316	194 316	97 158	16 25	3 4	19.40 31.60	29.10 47.40	7.76 12.64	38.40 60.00	5.40 7.20	100.06 158.84
2	Nalanda	Biharsharif Hilisa	1719 800	344 160	344 160	172 80	28 13	4 2	34.40 16.00	51.60 24.00	13.76 6.40	67.20 31.20	7.20 3.60	174.16 81.20
3	Bhojpur	Ara	1272	254	254	127	20	3	25.40	38.10	10.16	48.00	5.40	127.06
4	Buxar	Buxar	2493	499	499	250	40	3	49.90	74.85	20.00	96.00	5.40	246.15
5	Rohtas	Sasaram	1559	312	312	156	25	4	31.20	46.80	12.48	60.00	7.20	157.68
6	Kaimur	Bhabhua	2970	594	594	297	48	4	59.40	89.10	23.76	115.20	7.20	294.66
7	Gaya	Gaya	5634	1127	1127	564	90	4	112.70	169.05	45.12	216.00	7.20	550.07
8	Jehanabad	Jehanabad	1189	238	238	119	19	3	23.80	35.70	9.52	45.60	5.40	120.02
9	Arwal	Arwal	566	113	113	57	9	2	11.30	16.95	4.56	21.60	3.60	58.01
10	Nawada	Nawada	2233	447	447	224	36	4	44.70	67.05	17.92	86.40	7.20	223.27
11	Aurangabad	Aurangabad	3031	606	606	303	48	4	60.60	90.90	24.24	115.20	7.20	298.14
12	Saran	Chapra	4739	308	308	31	15	3	30.8	46.2	2.48	36	5.4	120.88
13	Muzaffarpur	Muzaffarpur	2558	166	166	17	8	3	16.6	24.9	1.36	19.2	5.4	67.46
14	Sitamarhi	Sitamarhi	7775	505	505	51	25	3	50.5	75.75	4.08	60	5.4	195.73
15	Madhubani	Madhubani	2636	171	171	17	9	3	17.1	25.65	1.36	21.6	5.4	71.11

Sl. No.	Name of District	Name of Division	No of villages / Tolas	Physical Target (In nos.)			Financial Target (Rs. In lakh)							
				PVC tank 1000/500 litres capacity with staging	Cattle trough of brick masonry	PVC tank 1500 litres capacity for carrying water on tractor with trailer.	Nos. of hiring tractor with trailer for transportation of water	Provision for Hiring of Jeep for supervision of work	PVC tank 1000/500 litres capacity with staging @ Rs. 10000/- each	Cattle trough of brick masonry @ Rs. 15000/- each	PVC tank carrying water on tractor .	Nos. of hiring tractor with trailer for transportation of water @ 2000/- per day with fuel for 120 days(Four month)	Provision for Hiring of Jeep for supervision of work(including cost of Diesel/mobile etc) @Rs.1500 /- for 120 days(four month	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	Siwan	Siwan	5199	338	338	34	17	2	33.8	50.7	2.72	40.8	3.6	131.62
	East	Motihari	2547	166	166	17	8	2	16.6	24.9	1.36	19.2	3.6	65.66
17	Champaran	Dhaka	1698	110	110	11	6	2	11	16.5	0.88	14.4	3.6	46.38
18	Sheohar	Sheohar	1638	106	106	11	5	2	10.6	15.9	0.88	12	3.6	42.98
19	Vaishali	Hajipur	3039	198	198	20	10	3	19.8	29.7	1.6	24	5.4	80.50
20	Darbhanga	Darbhanga	3091	201	201	20	10	3	20.1	30.15	1.6	24	5.4	81.25
21	Samastipur	Samastipur	3907	254	254	25	13	3	25.4	38.1	2	31.2	5.4	102.10
22	Begusarai	Begusarai	2956	192	192	19	10	3	19.2	28.8	1.52	24	5.40	78.92
23	Munger	Munger	1565	313	313	157	25	4	31.30	46.95	12.56	60.00	7.20	158.01
	Sheikhpura	Sheikhpura	316	63	63	32	5	3	6.30	9.45	2.56	12.00	5.40	35.71
24	Lakhi Sarai	Lakhi Sarai	1516	303	303	152	24	3	30.30	45.45	12.16	57.60	5.40	150.91
26	Jamui	Jamui	3175	635	635	318	51	4	63.50	95.25	25.44	122.40	7.20	313.79
27	Bhagalpur	East west	2044	409	409	205	33	4	40.90	61.35	16.40	79.20	7.20	205.05
28	Banka	Banka	2944	140	140	70	11	4	14.00	21.00	5.60	26.40	7.20	74.20
				589	589	295	47	4	58.90	88.35	23.60	112.80	7.20	290.85
		Total	80061	10371	10371	4106	749	102	1037.1	1555.65	328.48	1797.6	183.6	4902.43

Annexure- VI**Contingent Plan for drinking water in Urban areas****(Rs. in Lacs)**

Sl. No.	District	Name of P.H Division	Transportation of Drinking water supply through tankers	Rehabilitati on/ Rejuvenati on of Hand pump	Repair of Pumps/ stand by pumps/ other electric installation	Total	Remarks
1	2	3	4	5	6	7	8
1	Patna	Patna E	30.00	70.00	25.00	125.00	
		Patna W	35.00	50.00	25.00	110.00	
2	Nalanda	Biharsharif	25.00	50.00	15.00	90.00	
		Hilsa	15.00	30.00	10.00	55.00	
3	Bhojpur	Ara	15.00	30.00	20.00	65.00	
4	Buxar	Buxar	15.00	30.00	20.00	65.00	
5	Rohtas	Sasaram	30.00	60.00	20.00	110.00	
6	Kaimur	Bhabhua	30.00	40.00	20.00	90.00	
7	Gaya	Gaya	35.00	70.00	25.00	130.00	
8	Jehanabad	Jehanabad	15.00	30.00	10.00	55.00	
9	Arwal	Arwal	15.00	30.00	10.00	55.00	
10	Nawada	Nawada	20.00	40.00	20.00	80.00	
11	Aurangabad	Aurangabad	20.00	40.00	20.00	80.00	
12	Saran	Chapra	5.00	10.00	10.00	25.00	
13	Muzaffarpur	Muzaffarpur	5.00	15.00	10.00	30.00	
14	Sitamarhi	Sitamarhi	5.00	10.00	10.00	25.00	
15	Madhubani	Madhubani	5.00	20.00	10.00	35.00	
16	Siwan	Siwan	5.00	6.00	10.00	21.00	
17	East Champaran	Motihari	5.00	10.00	10.00	25.00	
		Dhaka	5.00	5.00	5.00	15.00	
18	Sheohar	Sheohar	5.00	5.00	5.00	15.00	
19	Vaishali	Hajipur	5.00	10.00	10.00	25.00	
20	Darbhanga	Darbhanga	5.00	15.00	10.00	30.00	
21	Samastipur	samastipur	5.00	10.00	10.00	25.00	
22	Begusarai	Begusarai	5.00	15.00	10.00	30.00	
23	Munger	Munger	25.00	30.00	15.00	70.00	
24	Sheikhpura	Sheikhpura	15.00	15.00	10.00	40.00	
25	Lakhi Sarai	Lakhi Sarai	15.00	20.00	10.00	45.00	
26	Jamui	Jamui	25.00	30.00	15.00	70.00	
27	Bhagalpur	Bhagalpur East	15.00	30.00	15.00	60.00	
		Bhagalpur west	25.00	50.00	20.00	95.00	
28	Banka	Banka	20.00	30.00	15.00	65.00	
Total			500.00	906.00	450.00	1856.00	