

HEAD OFFICE, UTTARAKHAND PEYJAL NIGAM, DEHRADUN
DROUGHT CONTINGENT PLAN

Director (Sanitation), Ministry of Drinking water and Sanitation, Govt. of India vide his letter no- H-11032/07/2012/Water dt. 28.04.14 has mentioned that as per Indian Meteorological department (IMD), the monsoon seasonal rainfall is likely to be 95% of the long period average (LPA) with a model error of + - 5%. In light of the above forecast, states have been directed to take steps for preparedness and response in order to tackle the present drought like situation. Many rural areas in district Dehradun, Tehri, Nainital & Udham Singh Nagar are also facing drought like situation due to acute crisis of drinking water. The main reason for the water crisis/drought like situation is following:-

1. In the summer season discharge of the gravity sources have been reduced considerably. Most of the rural schemes are gravity based hence due to reduced discharge at source villagers are having acute shortage of drinking water.
2. Due to the frequent power cut in summer season, water schemes dependant upon tube well sources are not able to cater the demand of public. Also, due to the increased problem of low voltage supply most of the tube well in the rural areas have become idle.
3. With the increased demand in summers, over all demand of water have also increased considerably.

To meet the additional demand/crisis of water mostly rural populations is dependant upon the Hand pumps installed by Uttarakhand Peyjal Nigam. These Hand pumps have become a boon for the villagers. However, these hand pump also have limitation that the maximum yield is around 10 to 12 lpm and in the summers it is very exhaustive task to meet requirement of the whole family with the hand pumps. So it is proposed to construct 1 no. infiltration well under Lachmoli-Hadimkidhar (Pumping) W/S scheme of district Tehri Garhwal (Block-Kirtinagar) and to install 190 nos. solar dual pumps in the existing hand pumps. It is also proposed to install 90 number new hand pump in water deficient areas. In addition to above it is also proposed to repair/rejuvenate approx. 450 defunct hand pumps to provide immediate relief from drought like condition. Block wise details of the proposed work is following:-

A. Installation of Solar dual pump unit

S.N.	District	Name of block	Proposed number of solar dual pump units	estimated cost of each unit	Total
1	Dehradun	Sahaspur	20	7.07	141.40
2	Dehradun	Kalsi	5	7.07	35.35
3	Dehradun	Chakrata	5	7.07	35.35
4	Dehradun	Doiwala	20	7.07	141.40
5	Dehradun	Raipur	15	7.07	106.05
6	Dehradun	Vikasnagar	20	7.07	141.40
7	U S Nagar	Khatima	20	7.07	141.40
8	U S Nagar	Sitarganj	15	7.07	106.05
9	U S Nagar	Rudrapur	15	7.07	106.05
10	U S Nagar	Gadarpur	15	7.07	106.05
11	U S Nagar	Bajpur	15	7.07	106.05
12	U S Nagar	Jaspur	05	7.07	35.35

13	U S Nagar	Kashipur	10	7.07	70.70
14	Nainital	Rampur	10	7.07	70.70
		Total	190		1343.30

B. Installation of New India mark II hand pump

S.N.	District	Name of block	Proposed number of new Hand Pumps	estimated cost of each Hand pump	Total
1	Dehradun	Sahaspur	20	2.5	50.00
2	Dehradun	Kalsi	5	2.5	12.50
3	Dehradun	Chakrata	5	2.5	12.50
4	Dehradun	Doiwala	20	2.5	50.00
5	Dehradun	Raipur	20	2.5	50.00
6	Dehradun	Vikasnagar	20	2.5	50.00
		Total	90	2.5	225.00

C. Rebores/Rejuvenation of Defunct/Damaged Hand pumps

S.N.	District	Name of block	Tentative No. of defunct hand pumps	Avg Cost for each hand pump	Total
1	Dehradun	Sahaspur	80	0.50	40.00
2	Dehradun	Kalsi	20	0.50	10.00
3	Dehradun	Chakrata	20	0.50	10.00
4	Dehradun	Doiwala	60	0.50	30.00
5	Dehradun	Raipur	60	0.50	30.00
6	Dehradun	Vikasnagar	60	0.50	30.00
	U S Nagar	Khatima	50	1.86	93.00
	U S Nagar	Sitarganj	25	1.86	46.50
	U S Nagar	Rudrapur	05	1.86	9.30
	U S Nagar	Gadarpur	20	1.86	37.20
	U S Nagar	Bajpur	20	1.86	37.20
	U S Nagar	Jaspur	10	1.86	18.60
	U S Nagar	Kashipur	20	1.86	37.20
		Total	450		429.00

D. Iron Removal Unit

S.N.	District	Name of block	Tentative No. of defunct handpumps	Avg Cost for each handpump	Total
1	U S Nagar	Khatima	50	0.84	42.00
2	U S Nagar	Sitarganj	25	0.84	21.00
		Total	75	0.84	63.00

E. Infiltration well

S.N.	District	Name of block	No. of infiltration well	Avg Cost	Total
1	Tehri	Kirtinagar	1	105.00	105.00
		Total	1	105.00	105.00
		G. Total (A+B+C+D+E)			2165.30

Annexure- II (Format for Progress report on drinking water mitigation activities 2014-15) is annexed herewith.

Progress report on drinking water mitigation activities 2012

Name of the State : Uttarakhand

Report as on : 16.06.2014

S. No.	Activities	Work planned as per contingency plan		Work done in drought notified habitations/ areas		Work done in non-notified drought habitations/ areas	
		Habitation (Nos)	Activity	Habitations (Nos)	Activity	Habitations (Nos)	Activity
1.	Total no. of habitations affected by drinking water scarcity						
2.	No. of tube wells/bore wells deepened						
	(A) Deepening (no. of wells)						
	(B) Rejuvenation, repair, replacement of pumping machinery, augmentation of source, modification, ancillary work, etc. -(in nos.)	Iron removal plant- 75 Nos.					
	(C) Rejuvenation/ repair of hand pumps (Nos.)	450		0		0	
3.	No. of tube wells/ bore wells	Habitation (Nos)	Bores/ Wells	Habitation (Nos)	Bores/ Wells	Habitation (Nos)	Bores/ Wells
	(A) Bore with hand pumps		150				
	(B) Bore wells with mini power pump schemes		190 (Solar pump)				
	(C) Deep tube wells /Hand pumps	-	90	-	0	-	0
	(D) Construction of new wells (infiltration well)	40	1				
4.	No. of tankers deployed to transport drinking water	Habitation (Nos)	Tanker	Habitation (Nos)	Tanker	Habitation (Nos)	Tanker
	(A) Tanker supply (daily						
	(B) Water transported daily (lakh liter)						
5	Transportation of water through train wagons (Vol. of water transported daily in lakh litre) i.) route and date of starting	Habitation (Nos)	No. of rakes/ vol. of water	Habitatio n (Nos)	No. of rakes / Vol. of water	Habitation (Nos)	No. of rakes/ Vol. of water
6	Total funds utilised for drinking water supply in rural areas with drought like situation. (Rs. in lakh)	2165.30		0.00		0.00	

**Office of State Water & Sanitation Mission,
Contingent Plan for drought affected rural areas in Uttarakhand
Activity through deployment of tanker**

SN	District Name	Total Schemes	Total villages/Habitations	Requirement of funds (Rs. In Lakhs)
1	Dehradun	52	132	5.66
2	Haridwar	7	23	0
3	Pauri	55	80	12.73
4	Chamoli	2	7	2.07
5	Rudraprayag	26	78	16.52
6	Tehri	29	115	59.27
7	Uttarkashi	9	12	2.4
	Sub Total			
	Garhwal	180	447	98.65
1	Nainital	33	53	11.46
2	Almora	109	132	57.42
3	Champawat	12	15	0
4	Bageshwar	13	21	2.69
5	Pithoragarh	16	26	5.44
6	US Nagar	4	6	0.75
	Sub Total			
	Kumaon	187	253	77.76
	Grand Total	367	700	176.41