

# National documentation on the problems of arsenic and Farakka

Mohammad Hossain Khan and Abu Syeed Shaheen on behalf of International Farakka Committee, New York, USA - Community Perception and Adaptation to Safe Drinking Water Scarcity: Salinity, Arsenic, and Drought Risks in Coastal Bangladesh

Description: Contributed papers of International Conference on the Problems of Surface and Groundwater Management, Arsenic Contamination and Desertification Syndrome in Bangladesh; with reference to adverse effects of Farakka Barrage; abstracts of International Seminar on Farakka Barrage and one another seminar included.

Canada -- Juvenile literature.

Railroads -- United States -- Passenger-cars -- Pictorial works.

Railroads -- United States -- Passenger-cars -- History.

Chesapeake and Ohio Railway Company.

Religion / Bible / General

The Bible

Chicago (Ill.) -- Maps.

Real property -- Illinois -- Chicago.

Arsenic -- Toxicology -- Bangladesh -- Congresses.National

documentation on the problems of arsenic and Farakka

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Notes: Includes bibliographical references.

This edition was published in 2003

V. DISTRIBUTIONS IN WEST BENGAL

19. Table 2 indicates a total of 8,056 habitations with 10.9 million people impacted by arsenic in West Bengal. Worst-affected districts are Malda, Murshidabad, Nadia, and North 24 Parganas. Those all lie to the east of the Ganga (Hooghly) River. Numbers of affected blocks in each district are given in Table 3.

Table 2. Habitations in Arsenic-Affected Districts of West Bengal

District	No. habitations	Population	Affected habitations	Affected population	% of district population affected
Burdwan	4,538	3,432,342	1	9,115	0.1
Barhman	5,388	5,271,056	142	291,224	5.5
Hooghly	11,702	3,975,586	178	98,050	2.5
Howrah	2,130	3,118,331	9	2,876	0.1
Malda	7,787	5,717,364	806	1,156,020	20.2
Murshidabad	3,925	6,746,427	1,439	3,865,065	57.4
Nadia	3,544	4,249,441	2,448	3,030,716	71.3
North 24 Parganas	7,334	5,184,385	2,669	2,198,158	42.4
South 24 Parganas	6,059	7,485,077	102	252,114	3.4
<b>Total</b>	<b>67,125</b>	<b>46,112,114</b>	<b>8,066</b>	<b>16,926,478</b>	<b>24.2</b>

Source: Government of West Bengal, Public Health Engineering Department, Wastewater Management Information System (WHIS). Data valid as of 30 April 2016.

Table 3. Blocks in West Bengal Affected by Arsenic

District	Arsenic-affected blocks	No. blocks
Burduwan	Kalua I, Kalua II, Putabahal I, Putabahal II	5
Hooghly	Bangor, Pandua	2
Howrah	Bali, Jagatpura, Udhana I	2
Malda	English Bazar, Kalichak I, Kalichak II, Kalichak III, Manekchak, Rajai I, Rajai II	7
Murshidabad	Beldanga I, Beldanga II, Barhampur, Bhagangola I, Bhagangola II, Dandak, Harinagar, Farakka, Jangra, Karak, Lakshya, Murshidabad-Jangra, Nadia, Pothanagar I, Raghunathpur I, Ramnagar I, Ramnagar II, Saranagar, Sagarpur, Tuli, Tuli II	21
Nadia	Chakdaha, Chandra, Harinagar, Harinagar, Kalyani, Kalyani I, Kalyani II, Kalyani III, Kalyani IV, Kalyani V, Kalyani VI, Kalyani VII, Kalyani VIII, Kalyani IX, Kalyani X, Kalyani XI, Kalyani XII, Kalyani XIII, Kalyani XIV, Kalyani XV, Kalyani XVI, Kalyani XVII, Kalyani XVIII, Kalyani XIX, Kalyani XX, Kalyani XXI, Kalyani XXII, Kalyani XXIII, Kalyani XXIV, Kalyani XXV, Kalyani XXVI, Kalyani XXVII, Kalyani XXVIII, Kalyani XXIX, Kalyani XXX, Kalyani XXXI, Kalyani XXXII, Kalyani XXXIII, Kalyani XXXIV, Kalyani XXXV, Kalyani XXXVI, Kalyani XXXVII, Kalyani XXXVIII, Kalyani XXXIX, Kalyani XL, Kalyani XLI, Kalyan XLII, Kalyan XLIII, Kalyan XLIV, Kalyan XLV, Kalyan XLVI, Kalyan XLVII, Kalyan XLVIII, Kalyan XLIX, Kalyan L, Kalyan LI, Kalyan LII, Kalyan LIII, Kalyan LIV, Kalyan LV, Kalyan LVI, Kalyan LVII, Kalyan LVIII, Kalyan LIX, Kalyan LX, Kalyan LXI, Kalyan LXII, Kalyan LXIII, Kalyan LXIV, Kalyan LXV, Kalyan LXVI, Kalyan LXVII, Kalyan LXVIII, Kalyan LXIX, Kalyan LXX, Kalyan LXXI, Kalyan LXXII, Kalyan LXXIII, Kalyan LXXIV, Kalyan LXXV, Kalyan LXXVI, Kalyan LXXVII, Kalyan LXXVIII, Kalyan LXXIX, Kalyan LXXX, Kalyan LXXXI, Kalyan LXXXII, Kalyan LXXXIII, Kalyan LXXXIV, Kalyan LXXXV, Kalyan LXXXVI, Kalyan LXXXVII, Kalyan LXXXVIII, Kalyan LXXXIX, Kalyan XLXXX, Kalyan XLXXXI, Kalyan XLXXXII, Kalyan XLXXXIII, Kalyan XLXXXIV, Kalyan XLXXXV, Kalyan XLXXXVI, Kalyan XLXXXVII, Kalyan XLXXXVIII, Kalyan XLXXXIX, Kalyan XLXXXX, Kalyan XLXXXXI, Kalyan XLXXXXII, Kalyan XLXXXXIII, Kalyan XLXXXXIV, Kalyan XLXXXXV, Kalyan XLXXXXVI, Kalyan XLXXXXVII, Kalyan XLXXXXVIII, Kalyan XLXXXXIX, Kalyan XLXXXXX	17



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## Environmental Problems/issues in Bangladesh

The Farakka Barrage Project is designed to serve the need of preservation and maintenance of the Kolkata Port by improving the regime and navigability of the Bhagirathi-Hooghly river system.

## arsenic poisoning in Bangladesh/India

The freshwater flow of these rivers decreases during prolonged dry spells, increases the level of salinity and eventually worsens drinking water scarcity in the region. The standard level of iron in Bangladesh was ranged from 0. For example, under the Ganges-Kobadak Irrigation Project construction of flood embankments turned flowing rivers like Kumar, Kaliganga and Dakua into dead rivers which created serious ecological disaster.

## arsenic poisoning in Bangladesh/India

In the case of augmentation of low flow in the Ganges at the Farakka barrage, the Kosi high dam would be an appropriate scheme because of its proximity to Farakka, and Nepal should seek access to the sea by developing a navigation channel from Nepalese territory.

## Publication : USDA ARS

Dioxin contamination is an increasing problem in some developing countries, particularly with uncontrolled burning, and dismantling and recycling of electronic products, such as computers. They cited the oxidation of pyrite process presented in the literature from the U.

## Arsenic

Downstream of Farakka, there are only two tributaries that join the Ganges- the Mohananda and the Baral. The resulting cellular imbalance leads to a disruption in normal cell function and ultimately adverse health effects. An extensive data base on developmental arsenic toxicity exists from an unfortunate poisoning incident in Japan in the mid-1950s.

## Related Books

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