

## **APPENDIX 5**

### **Other Relevant Data**

#### **5-1 List of Union Selection**

#### **5-2 List of Village Selection**

#### **5-3 Result of Water Quality Analysis**

#### **5-4 Result of Analysis of Geophysical Survey**



Appendix 5 Other Relevant Data

Division	District	Upazila	Union	Population (2009)	Arsenic contaminated water source		Occurrence of New Arsenicosis Patient		Water Supply Coverage		Total Score	Reason of Exclusion
					(%)	Score	% (People/1,000people)	Score	(%)	Score		
Rajshahi	Pabna	Bera	Paurashabha	47747	58.00	3	0.34	1	8.16	4	8	
Rajshahi	Pabna	Bera	Masumdia	23097	55.65	3	4.37	4	89.99	1	8	
Rajshahi	Pabna	Bera	Natun Bharenga	46629	47.68	2	1.27	3	26.51	3	8	
Rajshahi	Pabna	Bera	Ruppur	20890	53.10	3	3.59	4	105.34	1	8	
Khulna	Chuadanga	Alamdanga	Belgachhi	15617	63.45	3	3.39	4	208.90	1	8	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Jehala	20361	46.50	2	10.41	4	45.53	2	8	
Khulna	Chuadanga	Alamdanga	Nagdaha	31165	33.28	2	6.26	4	53.41	2	8	Below priority 5 in the same District
Khulna	Chuadanga	Chuadanga Sadar	Begampur	42045	18.28	1	3.69	4	36.51	3	8	Below priority 5 in the same District
Khulna	Chuadanga	Damurhuda	Howli	36750	25.04	2	5.33	4	42.42	2	8	
Khulna	Jessore	Chaugachha	Patbila	17819	27.00	2	2.58	4	41.02	2	8	
Khulna	Jessore	Chaugachha	Phulsara	23330	45.00	2	11.06	4	52.72	2	8	
Rajshahi	Nawabganj	Nawabganj Sadar	Maharajpur	24995	56.29	3	5.80	4	62.17	1	8	
Dhaka	Faridpur	Faridpur Sadar	Char Madhabdia	29155	33.76	2	0.34	1	15.83	4	7	Below priority 5 in the same District
Dhaka	Faridpur	Faridpur Sadar	Ishan Gopalpur	29772	46.26	2	0.10	1	17.89	4	7	No. of patients is low
Dhaka	Faridpur	Madhukhali	Gajna	31929	30.52	2	1.19	3	45.51	2	7	Below priority 5 in the same District
Dhaka	Faridpur	Madhukhali	Jahapur	12681	58.80	3	0.39	1	37.65	3	7	No. of patients is low
Dhaka	Manikganj	Harirampur	Balla	24743	68.73	3	0.00	1	36.92	3	7	No. of patients is low
Dhaka	Manikganj	Harirampur	Balara	19031	73.03	3	0.05	1	23.88	3	7	No. of patients is low
Dhaka	Manikganj	Harirampur	Chala	21334	62.00	3	0.09	1	36.05	3	7	No. of patients is low
Dhaka	Manikganj	Harirampur	Dhulsura	8681	67.82	3	0.00	1	24.71	3	7	No. of patients is low
Dhaka	Manikganj	Shibelaya	Anua	14443	53.56	3	0.00	1	30.39	3	7	No. of patients is low
Dhaka	Manikganj	Shibelaya	Shibalaya	26503	61.56	3	0.00	1	25.54	3	7	No. of patients is low
Dhaka	Manikganj	Singair	Boldhara	27810	72.51	3	0.00	1	20.71	3	7	No. of patients is low
Dhaka	Manikganj	Singair	Singair	28612	42.23	2	0.00	1	19.78	4	7	No. of patients is low
Dhaka	Narayanganj	Araihazar	Araihazar	24303	47.56	2	1.60	3	55.92	2	7	Many deep tube well exist
Dhaka	Narayanganj	Araihazar	Brahmandi	42314	51.34	3	0.85	2	40.05	2	7	Many deep tube well exist
Dhaka	Narayanganj	Araihazar	Khagakanda	27841	59.38	3	0.36	1	29.65	3	7	
Dhaka	Narayanganj	Araihazar	Uchitpura	20993	53.31	3	0.48	1	32.08	3	7	
Dhaka	Narayanganj	Bandar	Paurashabha	140542	48.59	2	0.15	1	3.24	4	7	Covered by WASA
Dhaka	Narsingdi	Roytura	Charmodhuya	10114	47.06	2	1.09	3	58.14	2	7	
Dhaka	Narsingdi	Roytura	Mirzarchar	8454	80.52	4	0.00	1	48.68	2	7	Covered by WASA
Dhaka	Narsingdi	Roytura	Paratalie	26223	40.61	2	0.80	2	39.96	3	7	No Gravel layer exists
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Dakshin Natai	27530	29.70	2	0.18	1	6.87	4	7	No. of patients is low
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Shuhilpur	37293	27.00	2	0.08	1	10.97	4	7	Many deep tube well exist
Chittagong	Brahmanbaria	Kasba	Kharara	18856	49.57	2	0.16	1	11.72	4	7	No. of patients is low
Chittagong	Brahmanbaria	Kasba	Kuti	37726	42.37	2	0.00	1	12.58	4	7	Many deep tube well exist
Chittagong	Brahmanbaria	Kasba	Mehari	24974	36.27	2	0.00	1	10.67	4	7	No. of patients is low
Chittagong	Brahmanbaria	Nasirmagar	Horipur	20185	26.00	2	0.00	1	10.63	4	7	No. of patients is low
Chittagong	Brahmanbaria	Sarail	Chonta	31333	36.00	2	0.06	1	9.13	4	7	No. of patients is low
Chittagong	Brahmanbaria	Sarail	Kolikhcha	25481	35.00	2	0.12	1	12.50	4	7	No. of patients is low
Chittagong	Brahmanbaria	Sarail	Noagon	33028	43.00	2	0.00	1	8.07	4	7	No. of patients is low
Chittagong	Comilla	Barura	Paurashabha	44094	51.00	3	0.07	1	26.28	3	7	No Gravel layer exists
Chittagong	Comilla	Brahman Para	Brahman Para	22441	77.33	4	0.22	1	48.37	2	7	No Gravel layer exists
Chittagong	Comilla	Brahman Para	Dulalpur	23035	73.87	3	0.39	1	24.83	3	7	No Gravel layer exists
Chittagong	Comilla	Brahman Para	Sidlai	25232	69.39	3	0.48	1	26.76	3	7	No Gravel layer exists
Chittagong	Comilla	Brahman Para	Malapara	16809	73.56	3	0.18	1	21.66	3	7	No Gravel layer exists
Chittagong	Comilla	Chandina	Gallai	32260	92.00	4	0.77	2	65.08	1	7	No Gravel layer exists
Chittagong	Comilla	Debidwar	Fatehabad	39874	55.33	3	0.23	1	28.53	3	7	No Gravel layer exists
Chittagong	Comilla	Debidwar	Jaforganj	26125	65.36	3	0.11	1	26.62	3	7	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Dhalua	30132	29.25	2	0.86	2	33.65	3	7	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Peria	25491	31.12	2	0.51	2	32.89	3	7	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Roykot	37539	26.42	2	0.69	2	36.54	3	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Barapara	42581	35.00	2	1.53	3	56.18	2	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Choura	41375	35.00	2	2.34	4	63.94	1	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Purba Jorekanon	21523	35.00	2	6.50	4	96.34	1	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Paschim Jorekanon	22466	35.00	2	7.57	4	83.61	1	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Bholain North	37500	33.21	2	1.81	3	47.32	2	7	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Paurashabha	21523	35.00	2	0.00	1	0.91	4	7	No Gravel layer exists
Rajshahi	Pabna	Ishwardi	Solimpur	48067	29.47	2	2.68	4	69.08	1	7	Below priority 5 in the same District
Rajshahi	Pabna	Sujanagar	Ahammadpur	37154	49.00	2	4.98	4	61.12	1	7	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Gangni	22607	64.54	3	0.18	1	21.17	3	7	No. of patients is low
Khulna	Chuadanga	Alamdanga	Khadimpur	42507	57.27	3	0.35	1	20.21	3	7	Below priority 5 in the same District
Khulna	Chuadanga	Damurhuda	Juranpur	33901	20.34	1	2.01	4	48.30	2	7	Below priority 5 in the same District
Khulna	Jessore	Chaugachha	Dhuliani	14054	27.00	2	4.91	4	69.55	1	7	Below priority 5 in the same District
Khulna	Jessore	Chaugachha	Jagadishpur	16367	24.00	1	11.49	4	50.07	2	7	
Khulna	Jessore	Chaugachha	Singhajhuli	14591	30.00	2	1.17	3	59.35	2	7	Below priority 5 in the same District
Khulna	Jessore	Jessore Sadar	Basundia	34049	60.00	3	0.50	1	33.79	3	7	Many deep tube well exist
Khulna	Jessore	Jessore Sadar	Churamankati	36043	63.00	3	0.83	1	30.12	3	7	Many deep tube well exist
Khulna	Jessore	Jessore Sadar	Haibatpur	32702	66.00	3	0.37	1	32.80	3	7	Many deep tube well exist
Khulna	Jessore	Jessore Sadar	Upasahar	15638	30.00	2	0.06	1	13.72	4	7	No. of patients is low
Khulna	Jhenaidah	Kaliganj	Bara Bazar	31452	27.30	2	3.08	4	75.24	1	7	Many deep tube well exist
Khulna	Jhenaidah	Maheshpur	Fatepur	23585	16.00	1	4.92	4	49.08	2	7	
Khulna	Kushlia	Bheramara	Dharampur	23778	35.54	2	8.20	4	379.51	1	7	
Khulna	Meherpur	Meherpur Sadar	Amjhupi	50676	13.09	1	4.95	4	54.37	2	7	
Khulna	Meherpur	Meherpur Sadar	Kutubpur	44405	17.23	1	2.16	4	45.46	2	7	
Khulna	Narail	Lohagara	Dighalia	23809	72.46	3	0.21	1	34.67	3	7	Many deep tube well exist
Khulna	Narail	Lohagara	Joypur	24118	56.04	3	0.33	1	39.35	3	7	Many deep tube well exist
Khulna	Narail	Lohagara	Kotakol	14073	75.73	4	0.07	1	43.88	2	7	Many deep tube well exist
Khulna	Narail	Lohagara	Laxmipasha	21055	64.00	3	0.00	1	37.35	3	7	Many deep tube well exist
Rajshahi	Nawabganj	Shibganj	Chhatrajtpur	23262	49.30	2	1.29	3	57.07	2	7	

Division	District	Upazila	Union	Population (2009)	Arsenic contaminated water source		Occurrence of New Arsenicosis Patient		Water Supply Coverage		Total Score	Reason of Exclusion
					(%)	Score	% (People/1,000 people)	Score	(%)	Score		
Dhaka	Manikganj	Harirampur	Azmnagar	13961	17.65	1	0.00	1	9.60	4	6	
Dhaka	Manikganj	Harirampur	Gata	24070	54.26	3	0.04	1	41.48	2	6	
Dhaka	Manikganj	Shibalaya	Mohadebpur	23125	41.15	2	0.00	1	24.50	3	6	
Dhaka	Manikganj	Shibalaya	Teota	33591	29.64	2	0.00	1	20.02	3	6	
Dhaka	Manikganj	Shibalaya	Uthila	22987	39.74	2	0.00	1	23.91	3	6	
Dhaka	Manikganj	Shibalaya	Ulail	24282	43.58	2	0.00	1	24.50	3	6	
Dhaka	Manikganj	Singair	Baya	22729	45.11	2	0.00	1	23.69	3	6	
Dhaka	Manikganj	Singair	Chandohor	33641	36.47	2	0.00	1	37.56	3	6	
Dhaka	Manikganj	Singair	Zamirta	23485	35.81	2	0.00	1	20.42	3	6	
Dhaka	Manikganj	Singair	Sayesta	25973	43.18	2	0.00	1	24.29	3	6	
Dhaka	Narayanganj	Arahaaz	Bishnadi	36799	31.02	2	0.33	1	36.56	3	6	
Dhaka	Narayanganj	Sonargaon	Jampur	36575	39.71	2	0.00	1	37.50	3	6	
Dhaka	Narsingdi	Narsingdi Sadar	Aokbari	26707	39.69	2	0.00	1	30.91	3	6	
Dhaka	Narsingdi	Narsingdi Sadar	Hazipur	26617	40.98	2	0.00	1	38.70	3	6	
Dhaka	Narsingdi	Narsingdi Sadar	Karimpur	25099	37.56	2	0.00	1	36.77	3	6	
Dhaka	Narsingdi	Narsingdi Sadar	Paikarchor	37212	45.98	2	0.00	1	32.29	3	6	
Dhaka	Narsingdi	Roytura	Chanpur	19202	41.92	2	0.16	1	37.65	3	6	
Dhaka	Narsingdi	Roytura	Nilokha	23379	48.25	2	0.00	1	32.94	3	6	
Dhaka	Narsingdi	Roytura	Srinagar	26067	62.47	3	0.12	1	40.45	2	6	
Dhaka	Rajbari	Pangsha	Paurashabha	27415	0.00	1	0.00	1	0.95	4	6	
Dhaka	Rajbari	Pangsha	Jhashal	19757	21.00	1	2.02	4	66.51	1	6	
Dhaka	Rajbari	Rajbari Sadar	Paurashabha	51619	0.00	1	0.06	1	5.22	4	6	
Dhaka	Rajbari	Rajbari Sadar	Barat	20932	33.00	2	0.19	1	37.93	3	6	
Dhaka	Rajbari	Rajbari Sadar	Sultanpur	17708	24.00	1	1.36	3	55.43	2	6	
Chittagong	Brahmanbaria	Akhaura	Akhaura Paurashabha	35391	0.00	1	0.00	1	0.00	4	6	
Chittagong	Brahmanbaria	Asuganj	Asuganj	33104	62.08	3	0.18	1	58.91	2	6	
Chittagong	Brahmanbaria	Asuganj	Char Chartala	25750	71.75	3	0.27	1	47.71	2	6	
Chittagong	Brahmanbaria	Asuganj	Durgapur	40080	53.12	3	0.27	1	54.65	2	6	
Chittagong	Brahmanbaria	Asuganj	Paschim Talsahar	19627	62.33	3	0.10	1	59.61	2	6	
Chittagong	Brahmanbaria	Asuganj	Shaifpur	19156	58.14	3	0.57	2	64.13	1	6	
Chittagong	Brahmanbaria	Asuganj	Lalpur	15524	54.78	3	0.06	1	56.11	2	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Basudeb	32766	20.00	1	0.00	1	6.74	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Budhanit	33094	0.10	1	0.00	1	11.78	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Chandura	26926	0.00	1	0.00	1	13.52	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Char Islampur	15025	3.60	1	0.13	1	11.68	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Singerbil	23890	0.00	1	0.00	1	1.63	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Harashpur	32705	0.00	1	0.00	1	4.02	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Machhahata	37630	8.58	1	0.03	1	4.94	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Majlishpur	23870	17.30	1	0.21	1	7.58	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Paharpur	35790	0.00	1	0.00	1	2.92	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Pattan	25804	0.00	1	0.00	1	2.44	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Ramrail	30391	3.70	1	0.10	1	2.57	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Sultanpur	29777	4.70	1	0.00	1	4.37	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Uttar Ichhapur	13459	0.70	1	0.00	1	12.07	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Bishnupur	14706	0.00	1	0.00	1	4.52	4	6	
Chittagong	Brahmanbaria	Brahmanbaria Sadar	Chompok Nagar	18900	0.00	1	0.05	1	6.37	4	6	
Chittagong	Brahmanbaria	Kasba	Bayek	28724	3.54	1	0.00	1	3.41	4	6	
Chittagong	Brahmanbaria	Kasba	Binaut	32742	3.33	1	0.00	1	9.93	4	6	
Chittagong	Brahmanbaria	Kasba	Gopinathpur	33031	0.47	1	0.00	1	7.18	4	6	
Chittagong	Brahmanbaria	Kasba	Kaumpur	30697	6.74	1	0.00	1	3.18	4	6	
Chittagong	Brahmanbaria	Kasba	Kasba	26227	4.50	1	0.23	1	5.95	4	6	
Chittagong	Brahmanbaria	Kasba	Paurashabha	17237	0.00	1	0.00	1	0.38	4	6	
Chittagong	Brahmanbaria	Nasiragar	Volakot	24598	20.00	1	0.41	1	7.93	4	6	
Chittagong	Brahmanbaria	Nasiragar	Burishar	28355	7.00	1	0.00	1	12.38	4	6	
Chittagong	Brahmanbaria	Nasiragar	Chapartala	13877	4.00	1	0.00	1	19.78	4	6	
Chittagong	Brahmanbaria	Nasiragar	Chatolpar	37752	0.00	1	0.34	1	6.20	4	6	
Chittagong	Brahmanbaria	Nasiragar	Dhormondol	16700	4.00	1	0.00	1	11.29	4	6	
Chittagong	Brahmanbaria	Nasiragar	Fandauk	15007	1.00	1	0.00	1	13.86	4	6	
Chittagong	Brahmanbaria	Nasiragar	Goalnagar	15714	3.00	1	0.13	1	13.65	4	6	
Chittagong	Brahmanbaria	Nasiragar	Gokarna	30509	1.00	1	0.00	1	9.37	4	6	
Chittagong	Brahmanbaria	Nasiragar	Guniauk	12255	2.00	1	0.00	1	3.22	4	6	
Chittagong	Brahmanbaria	Nasiragar	Kunda	23051	15.00	1	0.28	1	8.76	4	6	
Chittagong	Brahmanbaria	Nasiragar	Nasiragar	24909	1.00	1	0.00	1	13.05	4	6	
Chittagong	Brahmanbaria	Nasiragar	Purbabagh	16583	2.00	1	0.00	1	14.90	4	6	
Chittagong	Brahmanbaria	Sarail	Shabajpur	29296	15.00	1	0.07	1	5.32	4	6	
Chittagong	Brahmanbaria	Sarail	Shahjadpur	25510	5.00	1	0.12	1	9.17	4	6	
Chittagong	Comilla	Debidwar	Elahabad	27486	42.19	2	0.11	1	32.63	3	6	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Bakshaganj	21905	34.01	2	0.37	1	30.86	3	6	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Mokara	35818	24.09	1	0.61	2	36.66	3	6	No Gravel layer exists
Chittagong	Comilla	Sadar Dakshin	Galiara	34280	35.00	2	1.93	3	72.62	1	6	No Gravel layer exists
Rajshahi	Pabna	Bera	Jatsakini	47353	54.13	3	0.91	2	72.13	1	6	Below priority 5 in the same District
Rajshahi	Pabna	Iswardi	Laxmikundo	25031	7.41	1	3.56	4	73.91	1	6	Below priority 5 in the same District
Rajshahi	Pabna	Iswardi	Pakshi	37894	15.41	1	4.46	4	74.38	1	6	Below priority 5 in the same District
Rajshahi	Pabna	Iswardi	Sahapur	45355	7.72	1	1.10	3	51.80	2	6	Below priority 5 in the same District
Rajshahi	Pabna	Sujanagar	Raninagar	18806	31.49	2	1.44	3	88.69	1	6	Below priority 5 in the same District

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Division	District	Upazila	Union	Population (2009)	Arsenic contaminated water source		Occurrence of New Arsenicosis Patient		Water Supply Coverage		Total Score	Reason of Exclusion
					(%)	Score	% (People/1,000people)	Score	(%)	Score		
Khulna	Chuadanga	Alamdanga	Bhangbaria	26707	41.22	2	0.11	1	34.17	3	6	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Hardi	29533	32.41	2	0.07	1	38.72	3	6	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Kalidashpur	22240	39.44	2	0.49	1	34.78	3	6	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Khaskarra	22875	47.55	2	0.00	1	39.10	3	6	Below priority 5 in the same District
Khulna	Chuadanga	Alamdanga	Kumari	18727	39.66	2	0.00	1	31.72	3	6	Below priority 5 in the same District
Khulna	Chuadanga	Chuadanga Sadar	Kutubpur	33564	15.30	1	1.52	3	53.09	2	6	Below priority 5 in the same District
Khulna	Chuadanga	Chuadanga Sadar	Padmabila	19625	19.31	1	1.22	3	48.82	2	6	Below priority 5 in the same District
Khulna	Jessore	Chaugachha	Paurashabha	21689	27.00	2	0.00	1	36.59	3	6	Below priority 5 in the same District
Khulna	Jessore	Jessore Sadar	Chanchar	39144	46.00	2	0.03	1	39.69	3	6	Below priority 5 in the same District
Khulna	Jhenaidah	Jhenaidaha Sadar	Padmakar	17601	22.00	1	3.12	4	80.50	1	6	
Khulna	Jhenaidah	Kotchandpur	Paurashabha	35009	5.50	1	0.03	1	1.49	4	6	
Khulna	Jhenaidah	Kotchandpur	Dora	21317	29.86	2	1.88	3	77.03	1	6	
Khulna	Jhenaidah	Maheshpur	Paurashabha	25253	0.00	1	0.32	1	3.56	4	6	
Khulna	Kushtia	Bheramara	Junaidaha	33957	21.52	1	4.03	4	345.07	1	6	
Khulna	Kushtia	Bheramara	Mokarimpur	16668	22.85	1	15.48	4	762.66	1	6	
Khulna	Kushtia	Daulatpur	Pragpur	43079	19.51	1	4.50	4	65.29	1	6	
Khulna	Kushtia	Khoksha	Khoksha	43241	6.00	1	0.00	1	13.15	4	6	Below priority 5 in the same District
Khulna	Kushtia	Khoksha	Shomospur	40563	31.00	2	0.00	1	23.70	3	6	Below priority 5 in the same District
Khulna	Kushtia	Kumarkhali	Charsadipur	18324	2.00	1	0.00	1	6.41	4	6	Below priority 5 in the same District
Khulna	Kushtia	Kumarkhali	Jagannathpur	20267	11.83	1	5.18	4	85.83	1	6	Below priority 5 in the same District
Khulna	Kushtia	Kumarkhali	Shelaidaha	26107	6.03	1	2.76	4	96.41	1	6	Below priority 5 in the same District
Khulna	Magura	Magura Sadar	Chaulia	25352	12.00	1	1.70	3	59.70	2	6	
Khulna	Magura	Magura Sadar	Hazrapur	19593	20.00	1	2.09	4	76.51	1	6	
Khulna	Meherpur	Gangni	Bamundi	24503	13.45	1	1.18	3	50.01	2	6	
Khulna	Meherpur	Gangni	Paurashabha	22238	7.48	1	0.00	1	0.58	4	6	
Khulna	Narail	Lohagara	Itna	23216	53.24	3	0.47	1	47.60	2	6	
Khulna	Narail	Lohagara	Lohagara	17342	55.27	3	0.06	1	46.85	2	6	
Khulna	Narail	Lohagara	Mallikpur	19769	57.20	3	0.15	1	48.66	2	6	
Khulna	Narail	Lohagara	Paurashabha	29660	0.00	1	0.00	1	0.00	4	6	
Khulna	Narail	Narail Sadar	Mulia	10813	19.56	1	2.50	4	81.76	1	6	
Rajshahi	Nawabganj	Nawabganj Sadar	Paurashabha	166409	0.06	1	0.07	1	0.00	4	6	
Rajshahi	Nawabganj	Nawabganj Sadar	Char Anupnagar	11358	18.83	1	4.40	4	108.16	1	6	
Rajshahi	Nawabganj	Nawabganj Sadar	Sundarpur	30560	39.93	2	1.51	3	79.55	1	6	
Rajshahi	Nawabganj	Shibganj	Binodpur	39358	30.38	2	0.64	2	47.23	2	6	
Dhaka	Faridpur	Faridpur Sadar	Uttar Channel	19131	17.77	1	0.26	1	20.18	3	5	
Dhaka	Faridpur	Madhukhali	Madhukhali	31042	32.08	2	0.16	1	58.28	2	5	
Dhaka	Faridpur	Madhukhali	Noapara	23787	30.00	2	0.55	2	56.61	1	5	
Dhaka	Manikganj	Ghior	Nali	16254	51.34	3	0.00	1	94.69	1	5	
Dhaka	Manikganj	Harirampur	Lesra Gonj	14419	6.96	1	0.07	1	20.29	3	5	
Dhaka	Manikganj	Harirampur	Suth Lari	7916	23.74	1	0.00	1	35.31	3	5	
Dhaka	Manikganj	Shibbaya	Shimulia	23682	21.56	1	0.13	1	32.30	3	5	
Dhaka	Manikganj	Singair	Dholla	31993	24.40	1	0.00	1	30.91	3	5	
Dhaka	Manikganj	Singair	Joymontop	25020	10.34	1	0.00	1	31.55	3	5	
Dhaka	Manikganj	Singair	Jamsa	20517	38.34	2	0.00	1	47.25	2	5	
Dhaka	Manikganj	Singair	Talebpur	16821	35.73	2	0.00	1	43.31	2	5	
Dhaka	Narayanganj	Araihazar	Kalaipaharia	27058	42.11	2	0.15	1	55.73	2	5	
Dhaka	Narayanganj	Sonargaon	Kachpur	39297	4.45	1	0.00	1	34.40	3	5	
Dhaka	Narsingdi	Manohardi	Kachikata	23488	6.89	1	1.36	3	114.76	1	5	
Dhaka	Narsingdi	Narsingdi Sadar	Chardigoldi	18577	34.57	2	0.00	1	50.04	2	5	
Dhaka	Narsingdi	Narsingdi Sadar	Kathalia	37940	16.45	1	0.00	1	34.75	3	5	
Dhaka	Narsingdi	Narsingdi Sadar	Nazarpur	33319	31.33	2	0.00	1	44.87	2	5	
Dhaka	Narsingdi	Roytura	Chander Kandi	22725	30.89	2	0.40	1	56.19	2	5	
Dhaka	Narsingdi	Roytura	Char Auliya	14467	30.73	2	0.14	1	51.22	2	5	
Dhaka	Rajbari	Balia Kandi	Nawabpur	36831	26.00	2	0.11	1	53.85	2	5	
Dhaka	Rajbari	Goalandaghat	Daulatdia	38772	5.00	1	0.00	1	35.72	3	5	
Dhaka	Rajbari	Pangsha	Bahadurpur	20543	11.00	1	1.17	3	64.30	1	5	
Dhaka	Rajbari	Pangsha	Habashpur	33888	15.00	1	0.03	1	39.90	3	5	
Dhaka	Rajbari	Rajbari Sadar	Basantapur	27921	22.00	1	0.79	2	49.35	2	5	
Dhaka	Rajbari	Rajbari Sadar	Mizanpur	34732	13.00	1	1.18	3	90.18	1	5	
Dhaka	Rajbari	Rajbari Sadar	Ramkantapur	17363	11.00	1	1.32	3	70.87	1	5	
Dhaka	Rajbari	Rajbari Sadar	Shahid Wahabpur	16167	12.00	1	1.30	3	63.86	1	5	
Chittagong	Brahmanbaria	Asuganj	Avaisidha	16925	50.92	3	0.00	1	74.12	1	5	
Chittagong	Brahmanbaria	Kasba	Badoir	17031	24.87	1	0.06	1	26.33	3	5	
Chittagong	Comilla	Brahman Para	Shashidel	37995	38.22	1	0.24	1	36.44	3	5	No Gravel layer exists
Chittagong	Comilla	Chauddagram	Jagannath Dighi	26342	29.59	2	0.04	1	54.78	2	5	No Gravel layer exists
Chittagong	Comilla	Chauddagram	Kankapait	26592	43.45	2	0.04	1	58.18	2	5	No Gravel layer exists
Chittagong	Comilla	Chauddagram	Munshirhat	31354	46.81	2	0.06	1	58.46	2	5	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Bangodda	21878	23.58	1	0.96	2	40.11	2	5	No Gravel layer exists
Chittagong	Comilla	Nangalkot	Satbaria	8657	23.09	1	1.16	3	64.57	1	5	No Gravel layer exists
Rajshahi	Pabna	Bera	Haturia Nakalia	36894	47.68	2	0.51	2	79.21	1	5	
Rajshahi	Pabna	Bera	Puran Bharenga	13123	56.47	3	0.15	1	129.05	1	5	
Rajshahi	Pabna	Bera	Chakla	13435	30.52	2	0.82	2	84.59	1	5	
Rajshahi	Pabna	Ishwardi	Muladuli	38220	7.60	1	0.71	2	58.67	2	5	
Rajshahi	Pabna	Santhia	Karamja	37338	23.55	1	1.31	3	69.82	1	5	
Rajshahi	Pabna	Sujanagar	Nazirganj	24329	4.00	1	1.44	3	99.88	1	5	

Division	District	Upazila	Union	Population (2009)	Arsenic contaminated water source		Occurrence of New Arsenicosis Patient		Water Supply Coverage		Total Score	Reason of Exclusion
					(%)	Score	% (People/ 1,000people)	Score	(%)	Score		
Khulna	Chuadanga	Alamdanga	Jamjami	18731	30.95	2	0.43	1	46.31	2	5	
Khulna	Chuadanga	Chuadanga Sadar	Shankarchandra	44368	23.07	1	0.99	2	42.06	2	5	
Khulna	Chuadanga	Chuadanga Sadar	Titudaha	39986	20.33	1	0.53	2	46.62	2	5	
Khulna	Chuadanga	Damurhuda	Damurhuda	37623	42.50	2	0.21	1	51.76	2	5	
Khulna	Chuadanga	Jiban Nagar	Andulbaria	27125	25.08	2	0.00	1	41.57	2	5	
Khulna	Chuadanga	Jiban Nagar	Pauras habha	26377	12.06	1	0.45	1	26.14	3	5	
Khulna	Jessore	Bagher Para	Dohakula	26062	33.00	2	0.00	1	49.13	2	5	
Khulna	Jessore	Chaugachha	Swarupdaha	27864	16.00	1	0.68	2	49.38	2	5	
Khulna	Jessore	Chaugachha	Narayanpur	24091	16.00	1	0.62	2	47.72	2	5	
Khulna	Jessore	Chaugachha	Pashapole	19864	36.00	2	0.00	1	53.08	2	5	
Khulna	Jessore	Jessore Sadar	Diara	35495	37.00	2	0.00	1	51.64	2	5	
Khulna	Jessore	Jessore Sadar	Fatehpur	42449	28.00	2	0.02	1	41.04	2	5	
Khulna	Jessore	Jessore Sadar	Kashimpur	37981	35.00	2	0.08	1	42.96	2	5	
Khulna	Jessore	Jessore Sadar	Kachua	24305	48.00	2	0.12	1	41.45	2	5	
Khulna	Jessore	Jessore Sadar	Lebutala	20277	31.00	2	0.00	1	50.01	2	5	
Khulna	Jessore	Jessore Sadar	Narendrapur	31505	50.00	2	0.03	1	46.63	2	5	
Khulna	Jessore	Jessore Sadar	Ramnagar	35014	26.00	2	0.00	1	50.31	2	5	
Khulna	Jhenaidah	Jhenaidaha Sadar	Kalicharanpur	14952	19.00	1	1.67	3	92.26	1	5	
Khulna	Jhenaidah	Jhenaidaha Sadar	Surat	13697	12.00	1	1.53	3	83.52	1	5	
Khulna	Jhenaidah	Maheshpur	Natma	24883	24.00	1	0.60	2	46.46	2	5	
Khulna	Jhenaidah	Maheshpur	Panthapara	18663	28.00	2	0.75	2	62.53	1	5	
Khulna	Kushtia	Daulatpur	Aria	29554	7.76	1	0.64	2	58.82	2	5	
Khulna	Kushtia	Daulatpur	Chilmari	23733	0.64	1	0.00	1	36.55	3	5	
Khulna	Kushtia	Daulatpur	Morchha	27754	6.56	1	0.83	2	59.70	2	5	
Khulna	Kushtia	Khoksa	Janipur	30147	8.00	1	0.00	1	28.64	3	5	
Khulna	Kushtia	Kushtia Sadar	Jagati	39586	8.02	1	1.21	3	64.40	1	5	
Khulna	Magura	Magura Sadar	Pauras habha	94501	0.00	1	0.03	1	27.12	3	5	
Khulna	Magura	Magura Sadar	Jagdal	22339	5.00	1	1.07	3	96.29	1	5	
Khulna	Magura	Magura Sadar	Moghi	29647	14.00	1	0.54	2	58.10	2	5	
Khulna	Magura	Mohammadpur	Balidia	26877	26.00	2	0.30	1	58.92	2	5	
Khulna	Meherpur	Gangni	Dhankhola	48750	19.48	1	0.04	1	37.88	3	5	
Khulna	Meherpur	Gangni	Kathuli	23446	14.84	1	0.55	2	52.21	2	5	
Khulna	Meherpur	Gangni	Sholataka	23524	6.00	1	1.62	3	66.31	1	5	
Khulna	Meherpur	Meherpur Sadar	Amdaha	29756	18.54	1	0.71	2	46.76	2	5	
Khulna	Meherpur	Meherpur Sadar	Buripota	40490	23.98	1	0.84	2	40.90	2	5	
Khulna	Narail	Lohagara	Kashipur	14889	46.37	2	0.13	1	57.63	2	5	
Khulna	Narail	Narail Sadar	Bhadrabila	19836	27.00	2	0.35	1	49.81	2	5	
Khulna	Narail	Narail Sadar	Majipara	23522	37.15	2	0.04	1	49.74	2	5	
Khulna	Narail	Narail Sadar	Tularampur	19201	43.78	2	0.05	1	55.52	2	5	
Rajshahi	Nawabganj	Nawabganj Sadar	Narayanpur	16954	4.61	1	0.35	1	37.19	3	5	
Rajshahi	Nawabganj	Nawabganj Sadar	Shahajahanpur	21938	8.05	1	0.77	2	57.78	2	5	
Rajshahi	Nawabganj	Shibganj	Durlabhpur	52935	16.61	1	0.53	2	54.15	2	5	
Rajshahi	Nawabganj	Shibganj	Nayalabhanga	41126	41.59	2	0.41	1	58.07	2	5	
Dhaka	Dhaka	Dhamrai	Gangulya	20448	18.24	1	0.00	1	55.70	2	4	
Dhaka	Dhaka	Dhamrai	Royale	23042	8.27	1	0.26	1	58.39	2	4	
Dhaka	Faridpur	Madhukhali	Bagat	16436	29.71	2	0.30	1	90.23	1	4	
Dhaka	Manikganj	Daulatpur	Bachamara	23273	3.41	1	0.04	1	48.17	2	4	
Dhaka	Manikganj	Daulatpur	Khalshi	20270	33.63	2	0.05	1	82.56	1	4	
Dhaka	Manikganj	Ghior	Baliakhora	21589	34.72	2	0.19	1	83.19	1	4	
Dhaka	Manikganj	Ghior	Baniajuri	25259	37.31	2	0.12	1	75.60	1	4	
Dhaka	Manikganj	Ghior	Barata	22032	35.08	2	0.14	1	73.44	1	4	
Dhaka	Manikganj	Saturia	Boraid	19808	6.00	1	0.00	1	58.71	2	4	
Dhaka	Manikganj	Saturia	Dorgram	19325	14.00	1	0.00	1	57.51	2	4	
Dhaka	Manikganj	Saturia	Dhankora	27793	16.00	1	0.04	1	45.19	2	4	
Dhaka	Manikganj	Saturia	Fukurhat	17793	9.00	1	0.00	1	50.53	2	4	
Dhaka	Manikganj	Saturia	Tillee	20011	17.00	1	0.00	1	57.84	2	4	
Dhaka	Narayanganj	Araihazar	Fatepur	19548	23.67	1	0.46	1	59.39	2	4	
Dhaka	Narayanganj	Araihazar	Mahmudpur	25991	16.02	1	0.12	1	50.27	2	4	
Dhaka	Narayanganj	Araihazar	Sadasadi	36616	10.33	1	0.05	1	46.33	2	4	
Dhaka	Narayanganj	Araihazar	Satgram	39556	6.50	1	0.10	1	52.75	2	4	
Dhaka	Narayanganj	Bandar	Bandar	27321	26.69	2	0.26	1	64.38	1	4	
Dhaka	Narayanganj	Sonargaon	Sadipur	37217	1.00	1	0.00	1	43.66	2	4	
Dhaka	Narsingdi	Belabo	Amlaba	34514	0.51	1	0.00	1	50.07	2	4	
Dhaka	Narsingdi	Belabo	Binnabaid	27203	30.30	2	0.26	1	68.63	1	4	
Dhaka	Narsingdi	Belabo	Narayanpur	36046	17.18	1	0.06	1	58.94	2	4	
Dhaka	Narsingdi	Belabo	Charujilab	16042	10.92	1	0.00	1	40.61	2	4	
Dhaka	Narsingdi	Manohardi	Ekduyania	27069	11.30	1	0.96	2	69.93	1	4	
Dhaka	Narsingdi	Narsingdi Sadar	Am dia	40897	0.55	1	0.00	1	56.21	2	4	
Dhaka	Narsingdi	Narsingdi Sadar	Nuralapur	40485	14.43	1	0.00	1	46.92	2	4	
Dhaka	Narsingdi	Narsingdi Sadar	Mohishasura	37325	10.14	1	0.00	1	45.60	2	4	
Dhaka	Narsingdi	Narsingdi Sadar	Meher para	37539	12.87	1	0.00	1	44.50	2	4	
Dhaka	Narsingdi	Narsingdi Sadar	Shielmandi	42077	18.84	1	0.10	1	42.92	2	4	
Dhaka	Narsingdi	Royapura	Olipura	18060	9.58	1	0.17	1	59.03	2	4	
Dhaka	Narsingdi	Royapura	Amaigonj	34397	14.33	1	0.17	1	49.60	2	4	
Dhaka	Narsingdi	Royapura	Bashganj	16963	20.07	1	0.12	1	57.48	2	4	
Dhaka	Narsingdi	Royapura	Charsuburdi	21359	22.86	1	0.00	1	48.08	2	4	
Dhaka	Narsingdi	Royapura	Moshespur	23258	33.81	2	0.09	1	77.42	1	4	
Dhaka	Narsingdi	Royapura	Mirzanagor	21862	7.81	1	0.00	1	57.98	2	4	
Dhaka	Narsingdi	Royapura	Mirzapur	21559	15.07	1	0.00	1	51.86	2	4	
Dhaka	Narsingdi	Royapura	Muchapur	27145	3.81	1	0.07	1	56.03	2	4	
Dhaka	Narsingdi	Royapura	Palashtali	31638	12.97	1	0.06	1	58.57	2	4	
Dhaka	Narsingdi	Royapura	Raipura	27741	12.89	1	0.07	1	57.87	2	4	
Dhaka	Narsingdi	Royapura	Uitar Bakhomagar	20255	9.81	1	0.10	1	54.88	2	4	
Dhaka	Narsingdi	Shibpur	Alubpur	29740	11.01	1	0.54	2	65.75	1	4	
Dhaka	Narsingdi	Shibpur	Putta	43898	7.57	1	0.16	1	59.06	2	4	











5-2 List of Village Selection

District	Upazila	Union	Name of Proposed Target Village	Population	Ratio of Arsenic Contamination (%)	Ratio of Water Supply (%)	Number of Arsenicosis Patient	Number of Safe Water Option					Reasons of Selection
								STW <sup>1</sup>	DW <sup>2</sup>	DW <sup>3</sup>	PP <sup>4</sup>	ARP <sup>5</sup>	
Faridpur	Faridpur Sadar	Alibad	1. Bilnemuzpur	8,968	87		97	99	1	14	0	2	Ratio of arsenic contamination and number of arsenicosis patients are the highest. Number of arsenicosis patients is the second highest/Number of deep tube wells is low
			2. Bhajordarga	3,846	44		20	221	1	5	0	0	
			3. Sadiapur	4,013	62	45	10	222	8	14	0	0	
		Kishanganagar	1. Bahadurpur	528	46	51	11	21	1	2	0	0	Number of STW is low and ratio of arsenic contamination is the second highest.
			2. Bhadrakdia	568	49	59	19	27	1	0	0	0	
			3. Krishnagar	3,801	56	53	21	105	1	3	0	0	
		Majidpur	1. Dayarampur	3,502	53	47	15	291	1	5	0	0	Number of arsenicosis patients is the highest. Number of arsenicosis patients is the second highest/Number of deep tube wells is low
			2. Dhulid Rajapur	1,694	54	48	5	73	1	2	0	0	
			3. Chandpur	2,414	52	47	3	101	0	3	0	0	
		Kaujry	1. Puro Gargabardi	2,505	49	51	19	73	0	3	0	0	Ratio of arsenic contamination and number of arsenicosis patients are the highest.
			2. Babarpur	804	41	55	10	21	2	6	0	0	
			3. Tuligram	2,242	45	55	10	55	2	10	0	0	
Manikganj	Hainampur	Kercharpur	1. Kufital	1,374	94.37	5.83	7	4	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists. High ratio of arsenic contamination
			2. Kolkandi	824	96.19	3.81	1	4	0	0	0	0	
			3. Kusarchar	979	85.22	14.78	0	17	0	0	0	0	
Rajbari	Rajbari Sadar	Dadishi	1. Pakulanda	1,105	36.44		25	75	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Sirpa	779	80		0	18	0	5	0	0	
			3. Agmari	1,245	73.23		0	34	0	5	0	0	
Fabra	Bera	Paurashava	1. Paima	7,275	70	80	18	15	0	2	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Bhorogram	4,755	62	75	19	10	0	1	0	0	
			3. Sharita	8,373	85	92	35	17	0	1	0	0	
		Masumdia	1. Puro Masumdia	2,100	69	75	23	61	0	3	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Khanso Bari	1,700	60	70	27	55	0	4	0	0	
			3. Kazipara	1,300	70	80	15	30	0	1	0	0	
		Nalin Bhererga	1. Balakhara	3,473	80	90	13	57	1	1	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Mochhapara	2,510	75	85	13	51	0	1	0	0	
			3. Sonopadma	2,253	70	80	2	40	2	3	0	0	
		Ruppur	1. Boromgaon	640	70	80	24	47	0	6	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Charpara	2,160	75	90	2	31	0	4	0	0	
			3. Gopinda	390	70	80	1	38	0	5	0	0	
Nawabganj	Nawabganj Sadar	Ranikhal	1. Ghonpathia	4,705	82.48		113	70	0	20	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Bohoron	3,582	83.33		132	60	0	15	0	0	
			3. Chumkhal	3,984	57.69		18	47	0	10	0	0	
		Maharajpur	1. Maharajpur	4,285	85.45		20	55	0	15	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Dolpara	2,690	49.05		30	53	0	10	0	0	
			3. Nichubhumi	3,648	100		10	47	0	10	0	0	
	Char Anupnagar	1. Anupnagar	5,406	42.81		8	96	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists	
		2. Char Anupnagar	2,651	41.46		6	57	0	0	0	0		
		3. Char Kashiapur	1,407	17.39		8	50	0	0	0	0		
	Shibganj	Chhalapour	1. Sakripur	700	77.33		80	4	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists
			2. Dalipara	500	77.1		41	2	0	0	0	0	
			3. Monipara	700	76.74		71	7	0	0	0	0	
Chudanga	Bandi	1. Anupnagar	1,494	84	80	85	24	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists	
		2. Kachikada	711	83	14	20	17	0	0	0	0		
		3. Radhakantapur	223	88	22	10	6	0	0	0	0		
	Johala	1. Garchapara	2,313	83	82	10	51	0	0	0	0	Number of arsenicosis patients is the highest/No deep tube well exists	
		2. Bellonia	775	70	13	40	30	0	0	0	0		
		3. Sonalpur	1,051	81	14	10	29	0	0	0	0		

District	Upazila	Union	Name of Proposed Target Village	Population	Ratio of Arsenic Contamination (%)	Ratio of Water Supply (%)	Number of Arsenicosis Patient	Number of Safe Water Option						Reason of Selection
								STW <sup>1</sup>	DTW <sup>2</sup>	DW <sup>3</sup>	PSF <sup>4</sup>	ARP <sup>5</sup>	Others	
Chandarga	Damuhuda	Nalipola	1 Hogokibanga	1,707	65.16		30	39	1	6	0	0	1(VSST) <sup>6</sup>	Number of arsenicosis patients is the highest (No deep tube well exists)
			2 Boalmari	959	37.09		47	13	0	1	0	0		
			3 Vogrolpur	600	55.27		12	21	3	4	0	0	1(VSST) <sup>6</sup>	
		Howli	1 Boro Dudhpailla	999	30.56		191	13	0	5	0	0	2(VSST) <sup>6</sup>	Number of arsenicosis patients is the highest (No deep tube well exists)
			2 Pabro Bashantopur	1,184	45.8		0	24	0	1	0	0		
			3 Raghunailpur	579	54.17		0	14	0	1	0	0		
Jessore	Chaugachha	Chaugachha	1 Bergomindapur	2,621			104	0	2	7	0	4		Number of arsenicosis patients is the highest
			2 Dakshin Kuyarpasa	1,510			44	0	1	1	0	3		
			3 Umar Kuyarpasa	1,291			2	0	0	2	0	0		
		Faliabali	1 Mukladah	310			5	0	1	1	0	0		
			2 Bhobanpur	110			2	0	0	2	2	1		
			3 Panahuda	300			12	0	0	2	0	2		Number of arsenicosis patients is the highest (No deep tube well exists)
	Fulbari	1 Aina	2,804			14	0	1	1	2	0			
		2 Shobanpur	479			34	0	1	4	0	0			
		3 Baruhali	774			43	0	0	2	4	0		Number of arsenicosis patients is the highest (No deep tube well exists)	
	Jagadishpur	1 Maina	1,179			146	0	1	0	2	5		Number of arsenicosis patients is the highest	
		2 Atandi	2,502			11	0	0	2	0	2			
		3 Jinkundu	686				0	0	0	0	1			
Jhenaidah	Jhenaidah Sadar	Padmakar	1 Achinbaragar	2,043	25.68		41	169	0	2	0	0		Number of arsenicosis patients is the highest (No deep tube well exists)
			2 Tordaha	2,464	28.96		11	146	6	0	0	0		
			3 Kala	978	35.29		2	86	2	0	0	0		
	Mishrapur	Falepur	1 Krishna Chandrapur	1,212	34.59		86	87	0	0	0	0		Number of arsenicosis patients is the highest (No deep tube well exists)
			2 Chandpur	275	28.89		7	32	0	0	0	0		
			3 Rakhaloga	1,703	17.92		6	142	0	0	0	0		
Kushtia	Bheansara	Dharampur	1 North Bhabanpur	2,005	50		61	12	11	0	0	0		Number of arsenicosis patients is the highest (No deep tube well exists)
			2 South Bhabanpur	3,300	58.82		47	51	10	0	0	0		
			3 Ranzhandapur	2,850	34.19		41	17	1	0	0	0		
		Junidah	1 Jagdhar	4,362	33.21		110	30	1	0	0	0		Number of arsenicosis patients is the highest (No deep tube well exists)
			2 Parakhali	4,270	16.54		21	19	0	0	0	0		
			3 Nakul	1,677	44.97		1	11	17	0	0	0		
	Mokanpur	1 Nawdakhemedar	2,569	29.92		116	26	2	0	0	0		Number of arsenicosis patients is the highest (No deep tube well exists)	
		2 Rankrishrapur	2,248	13.7		42	19	0	0	0	0			
		3 Khemedar	5,422	24.9		28	88	4	0	0	0			
	Daulatpur	Fragpur	1 Jarnalpur	750	46.51		1	10	0	2	0	0		
			2 Mainampur	2,304	34.16		1	25	1	2	0	0		
			3 Pakuria	3,542	49.74		71	16	4	13	0	0		Ratio of arsenic contamination and number of arsenicosis patients are the highest
Meherpur	Anjhapur	1 Alanpur	2,109	54.84		105	0	2	23	0	0		Number of arsenicosis patients are the highest	
		2 Bellalapara	1,322			96	4	1	7	0	0			
		3 Kholsha	2,926	39.93		17	25	1	9	0	0			
	Kulubpur	1 Subapur	4,245	48.85		49	24	2	10	0	0		Ratio of arsenic contamination and number of arsenicosis patients are the highest	
		2 Ujapur	1,833	26.79		25	20	0	6	0	0			
		3 Rukanagar	1,428	35.54		1	8	0	4	0	0			

Note: ○ 30 selected villages  
 △ 5 villages selected additionally  
<sup>1</sup> STW: Shallow Tube Well  
<sup>2</sup> DTW: Deep Tube Well  
<sup>3</sup> DW: Dug Well  
<sup>4</sup> PSF: Pond Sand Filter  
<sup>5</sup> ARP: Arsenic and Iron Removal Plant  
<sup>6</sup> VSST: Very Shallow Stranded Tubewell

5-3 Result of Water Quality Analysis

Results of Water Quality Analysis (1/8)

- Location Information -											
Sample No.	1-1	1-2	2-1	2-2	3-1	3-2	4-1	4-2			
Village ID No	1	1	2	2	3	3	4	4			
Village Name	Bhinnandpur	Bhinnandpur	Purbo Ganabardi	Purbo Ganabardi	Bhabukia	Bhabukia	Devarampur	Devarampur			
Union Name	Aliaab	Aliaab	Kahory	Kahory	Krislunnagar	Krislunnagar	Maichar	Maichar			
Upazila Name	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar	Fardpur Sadar			
District Name	Fardpur	Fardpur	Fardpur	Fardpur	Fardpur	Fardpur	Fardpur	Fardpur			
Sample collection date	19/12/2011	19/12/2011	19/12/2011	19/12/2011	18/12/2011	18/12/2011	19/12/2011	19/12/2011			
Sample Source	Tube well (TW), Depth - 165 ft.	Tube well (TW), Depth - 95 ft.	Tube well (TW), Depth - 160 ft.	Tube well (TW), Depth - 180 ft.	Tube well (TW), Depth - 65 ft.	Tube well (TW), Depth - 550 ft.	Tube well (TW), Depth - 45 ft.	Tube well (TW), Depth - 90 ft.			
Latitude (N)	23°31'31"	23°34'52"	23°34'03"	23°33'41"	23°34'38"	23°34'28"	23°36'59"	23°38'00"			
Longitude (E)	89°50'55"	89°51'12"	89°47'37"	89°47'41"	89°42'55"	89°43'06"	89°47'33"	89°46'56"			
Name of Well Owner	Kaslem Shekh	Mid Mizanur Rahman Mondal	Mid. Ayyal Shekh	Mid. Abobus Solaim Shekh	Mid. Harim Mollah	Alhas Molla	Mid. Shabaj Uddin Babari	Mid. Shabaj Nirupada Haider			

- Analysis Results -

Items	Unit	Bangladesh Standard	Results											
			1-1	1-2	2-1	2-2	3-1	3-2	4-1	4-2				
Total Coliform/Bacteria	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0	0
Escherichia Coli (Fecal Coli)	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0	0
Arsenic (As)	mg/L	0.05	0.161	0.744	0.137	2.055	0.204	0.04	0.042	0.089	0.089	0.089	0.089	0.089
Fluoride (F)	mg/L	1	0.17	0.22	0.2	0.35	0.18	0.4	0.18	0.18	0.18	0.18	0.18	0.18
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> L	10	0.3	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> L	1	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Manganese (Mn)	mg/L	0.1	0.12	0.74	2.5	0.89	0.95	0.72	0.97	0.5	0.5	0.5	0.5	0.5
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	330	290	380	450	380	250	360	290	290	290	290	290
Calcium (Ca)	mg/L	75	79	88	183	148	136	64	132	106	106	106	106	106
Magnesium (Mg)	mg/L	35	51	41	44	33	28	36	39	28	28	28	28	28
Iron (Fe)	mg/L	0.3-1	12	11	18	0.92	2.3	1.3	1.2	9	9	9	9	9
Chloride (Cl)	mg/L	150-600	14	12	13	18	9	80	16	12	12	12	12	12
Total Dissolved Solid (TDS)	mg/L	1000	351	338	385	503	354	356	362	302	302	302	302	302
Ammonia (NH <sub>3</sub> )	mg/L	-	7.8	6	0.33	4.6	0.4	0.3	0.46	0.18	0.18	0.18	0.18	0.18
pH	-	6.5-8.5	7.5	7.7	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.7	7.7	7.7
Taste	-	Not Offense	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	PCU (Hazen)	15	5.0	7.4	2.9	13.0	3.5	3.4	3.1	8.7	8.7	8.7	8.7	8.7
Turbidity	NTU	10	25	27	0.43	0.49	0.91	2	0.97	31	31	31	31	31
Temperature (T)	°C	20-30	23.5	23.3	23.6	23.6	23.4	23.6	23.5	23.6	23.6	23.6	23.6	23.6
Electrical Conductivity (EC)	mS/m	-	70.2	77.7	77	100.5	70.8	111.3	72.2	60.5	60.5	60.5	60.5	60.5
Sodium (Na)	mg/L	200	34	43	32	16	4	4	4	4	4	4	4	4
Potassium (K)	mg/L	12	10	7.1	9.1	4	4	4	4	4	4	4	4	4
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	205	205	290	250	260	235	250	255	255	255	255	255
Sulphate (SO <sub>4</sub> )	mg/L	400	1.0	1.0	2.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Results of Water Quality Analysis (2/8)

Sample No.	5-1	5-2	6-1	6-2	7-1	7-2	8-1	8-2
Village ID No.	5	5	6	6	7	7	8	8
Village Name	Kaurhat	Kaurhat	Pakurikanda	Pakurikanda	Ampnagar	Ampnagar	Berbaria	Berbaria
Union Name	Kanchhapur	Kanchhapur	Dadshi	Dadshi	Baradi	Baradi	Jehala	Jehala
Upazila Name	Hatimpur	Hatimpur	Raibari Sadar	Raibari Sadar	Alamdanga	Alamdanga	Alamdanga	Alamdanga
District Name	Mamiganj	Mamiganj	Raibari	Raibari	Chaudanga	Chaudanga	Chaudanga	Chaudanga
Sample collection date	14/12/2011	14/12/2011	18/12/2011	18/12/2011	12/12/2011	12/12/2011	12/12/2011	12/12/2011
Sample Source	Tube well (TW), Depth - 129 ft.	Tube well (TW), Depth - 117 ft.	Tube well (TW), Depth - 60 ft.	Tube well (TW), Depth - 160 ft.	Tube well (TW), Depth - 130 ft.	Tube well (TW), Depth - 130 ft.	Tube well (TW), Depth - 130 ft.	Tube well (TW), Depth - 70 ft.
Location	23°45' 45.5" N 89°53' 10.3" E	23°45' 46.1" N 89°53' 14.2" E	23°44' 08" N 89°40' 11" E	23°44' 33" N 89°40' 14" E	23°45' 18" N 88°51' 31" E	23°44' 57" N 88°51' 53" E	23°41' 35" N 88°53' 18" E	23°41' 17" N 88°53' 05" E
Name of Well Owner	Mr. Anil Pal	Kaurhat Bazar Committee	Md. Farid	Dr. A. Wahid Jr. Secondary school	Md. Imadul Islam	Md. Toib Bishwas	Md. Abdul Mannan	Md. Badul Ali

- Analysis Results -

Items	Unit	Bangladesh Standard		Results									
		0	1	5-1	5-2	6-1	6-2	7-1	7-2	8-1	8-2		
Total Coliform Bacteria	cfu/100 ml	0	0	0	0	0	0	0	0	0	0	0	0
Escherichia Coli (Fecal Coli.)	cfu/100 ml	0	0	0	0	0	0	0	0	0	0	0	0
Arsenic (As)	mg/L	0.05	0.126	0.639	0.116	0.34	0.066	0.123	0.004	0.004	0.004	0.454	0.454
Fluoride (F)	mg/L	1	0.18	0.26	0.18	0.27	0.15	0.12	0.52	0.12	0.52	0.22	0.22
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	<0.1	<0.1	6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	<0.016	0.02	2	0.02	0.05	0.07	0.52	0.07	0.52	2.7	2.7
Manganese (Mn)	mg/L	0.1	0.13	1.7	0.1	0.11	0.43	0.75	0.97	0.75	0.97	0.65	0.65
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	385	340	435	360	420	375	230	375	230	310	310
Calcium (Ca)	mg/L	75	117	114	123	85	149	125	86	125	86	84	84
Magnesium (Mg)	mg/L	35	47	35	50	61	38	30	22	30	22	31	31
Iron (Fe)	mg/L	0.3-1	7.7	3.6	8	3	16	5.5	0.72	5.5	0.72	3	3
Chloride (Cl)	mg/L	150-600	77	15	82	8	29	9	8	9	8	18	18
Total Dissolved Solid (TDS)	mg/L	1000	509	349	515	444	463	371	277	371	277	372	372
Ammonia (NH <sub>3</sub> )	mg/L	-	1.4	0.39	0.98	1	1.1	0.43	0.27	0.43	0.27	0.54	0.54
pH	-	6.5-8.5	7.8	7.7	7.7	7.7	7.7	7.8	7.9	7.8	7.9	7.8	7.8
Taste	-	Not Offensive	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	TCU (Hazen)	15	6.3	7.5	6.2	7.8	6.3	2.8	2.2	2.8	2.2	4.7	4.7
Turbidity	NTU	10	49	18	41	14	14.3	7.2	0.47	7.2	0.47	2.3	2.3
Temperature (T)	°C	20-30	23.8	23.6	23.5	23.7	23.6	23.6	23.6	23.6	23.6	23.6	23.6
Electrical Conductivity (EC)	mS/m	-	101.9	69.8	102.9	88.9	92.7	74.2	55.3	74.2	55.3	74.4	74.4
Sodium (Na)	mg/L	200	46	23	79	70	27	17	25	17	25	48	48
Potassium (K)	mg/L	12	5	4	5	4.2	4	3.6	16	3.6	16	3.2	3.2
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	210	200	235	255	250	225	160	225	160	210	210
Sulphate (SO <sub>4</sub> )	mg/L	400	2.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0

Results of Water Quality Analysis (3/8)

- Location Information -		9-1	9-2	10-1	10-2	11-1	11-2	12-1	12-2
Sample No.		9	9	10	10	11	11	12	12
Village Name		Boro Dudhapatila	Boro Dudhapatila	Boalmari	Boalmari	Bergobindapur	Bergobindapur	Maria	Marian
Union Name		Howli	Howli	Natipota	Natipota	Chaugachha	Chaugachha	Jagadishpur	Jagadishpur
Upazila Name		Dannurhuda	Dannurhuda	Dannurhuda	Dannurhuda	Chaugachha	Chaugachha	Chaugachha	Chaugachha
District Name		Chuadanga	Chuadanga	Chuadanga	Chuadanga	Jessore	Jessore	Jessore	Jessore
Sample collection date		11/12/2011	11/12/2011	11/12/2011	11/12/2011	17/12/2011	17/12/2011	17/12/2011	17/12/2011
Sample Source		Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)
Location	Latitude (N)	23° 32' 58"	23° 32' 55"	23° 38' 37"	23° 38' 02"	23° 13' 58"	23° 14' 00"	23° 16' 24"	23° 16' 36"
	Longitude (E)	88° 48' 31"	88° 48' 26"	88° 39' 58"	88° 39' 44"	89° 01' 04"	89° 01' 03"	89° 04' 22"	89° 03' 07"
Name of Well/Owler		Md. Abdul Haman	Md. Uzzal Hossain	Md. Abdul Rahman	Md. Omber Ali	Sukumar Mitra	Tapan Kumar Biswas	Md. Huzrai Ali	Md. Daud Hossain

- Analysis Results -

Items	Unit	Bangladesh Standard	Results										
Total Coliform Bacteria	cfu/100 ml.	0	0	0	0	0	0	0	0	0	0	0	0
Escherichia Coli (Fecal Coli)	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0
Arsenic (As)	mg/L	0.05	0.077	0.129	0.46	0.455	0.057	0.059	0.121	0.152	0.152	0.152	0.152
Fluoride (F)	mg/L	1	0.14	0.18	0.25	0.25	<0.018	<0.018	0.12	<0.018	0.12	<0.018	<0.018
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	1	0.5	2.8	<0.10	1	0.5	<0.10	0.4	<0.10	0.4	0.4
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	0.95	<0.016	5.9	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Manganese (Mn)	mg/L	0.1	0.46	0.16	0.92	0.36	0.12	0.11	<0.05	0.44	<0.05	0.44	0.44
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	300	265	325	380	405	420	300	300	300	300	300
Calcium (Ca)	mg/L	75	99	88	121	130	148	142	88	101	88	101	101
Magnesium (Mg)	mg/L	35	22	22	36	31	39	37	30	27	30	27	27
Iron (Fe)	mg/L	0.3-1	1.2	2.2	5.1	1.1	3.9	3	3.1	9.2	3.1	3.1	9.2
Chloride (Cl)	mg/L	150-600	9	5	9	10	9	9	8	21	8	8	21
Total Dissolved Solid (TDS)	mg/L	1000	283	267	384	383	423	413	285	313	285	313	313
Ammonia (NH <sub>3</sub> )	mg/L	-	0.24	0.23	0.7	1.5	0.91	0.85	0.76	2.6	0.76	2.6	2.6
pH	-	6.5-8.5	7.7	7.8	7.7	7.7	7.8	7.7	7.8	8.0	7.8	8.0	8.0
Taste	-	Not Offensive	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	PCU (Hazen)	15	5.1	3.2	3.2	3.0	3.6	9.7	4.9	7.0	4.9	7.0	7.0
Turbidity	NTU	10	15	3.8	9.5	2.2	1.5	0.66	1.2	2.7	1.2	2.7	2.7
Temperature (T)	°C	20-30	23.5	23.6	23.6	23.6	23.5	23.4	23.5	23.5	23.5	23.5	23.5
Electrical Conductivity (EC)	mS/cm	-	56.6	53.5	76.7	76.7	84.7	82.6	57	62.6	57	62.6	62.6
Sodium (Na)	mg/L	200	18	13	25	19	20	20	14	16	14	16	16
Potassium (K)	mg/L	12	4	3.5	4	4.1	3.5	3.7	3.4	3.5	3.4	3.5	3.5
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	170	160	220	230	250	245	160	180	160	180	180
Sulphate (SO <sub>4</sub> )	mg/L	400	2.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0

Results of Water Quality Analysis (4/8)

Sample No.	13-1	13-2	14-1	14-2	15-1	15-2	16-1	16-2
Village ID No.	13	13	14	14	15	15	16	16
Village Name	Purahuda	Purahuda	Barullati	Barullati	Achintanagar	Achintanagar	Krishna Chandrapur	Krishna Chandrapur
Union Name	Patubila	Patubila	Phulsara	Phulsara	Padmakar	Padmakar	Fatepur	Fatepur
Upazila Name	Chaugachha	Chaugachha	Chaugachha	Chaugachha	Jhenaidah Sadar	Jhenaidah Sadar	Maheshpur	Maheshpur
District Name	Jessore	Jessore	Jessore	Jessore	Jhenaidah	Jhenaidah	Jhenaidah	Jhenaidah
Sample collection date	17/12/2011	17/12/2011	17/12/2011	17/12/2011	16/12/2011	16/12/2011	16/12/2011	16/12/2011
Sample Source	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)	Tube well (TW)
Location	Depth - 133 ft 23° 16' 44" N 89° 03' 14" E	Depth - 100 ft 23° 16' 39" N 89° 02' 54" E	Depth - 185 ft 23° 15' 56" N 89° 03' 51" E	Depth - 105 ft 23° 15' 50" N 89° 03' 57" E	Depth - 133 ft 23° 13' 10" N 89° 17' 28" E	Depth - 133 ft 23° 13' 59" N 89° 17' 14" E	Depth - 110 ft 23° 23' 51" N 88° 54' 25" E	Depth - 160 ft 23° 23' 15" N 88° 54' 31" E
Name of Well Owner	Mid Golam Mostafa	Mid Azizur Daffader	Mid Anwar Hossain	Mid Sorajul Islam	Mid Year Ali	Mid Zou Shekh	Mid Shaif Uddin	Mid Abdol Wadud

- Location Information -

Items	Unit	Bangladesh Standard	Results
Total Coliform Bacteria	cfu/100 mL	0	0
Escherichia Coli (Fecal Coli.)	cfu/100 mL	0	0
Arsenic (As)	mg/L	0.05	0.187
Fluoride (F)	mg/L	1	0.37
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	<0.10
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	<0.016
Manganese (Mn)	mg/L	0.1	0.37
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	370
Calcium (Ca)	mg/L	75	111
Magnesium (Mg)	mg/L	35	27
Iron (Fe)	mg/L	0.3-1	3.1
Chloride (Cl)	mg/L	150-600	38
Total Dissolved Solid (TDS)	mg/L	1000	373
Ammonia (NH <sub>3</sub> )	mg/L	-	4.4
pH	-	6.5-8.5	7.8
Taste	-	No Offensive	Tasteless
Odour	-	Odourless	Odourless
Colour	TCU (Hazen)	15	7.1
Turbidity	NTU	10	4.8
Temperature (T)	°C	20-30	23.5
Electrical Conductivity (EC)	µS/cm	-	80.8
Sodium (Na)	mg/L	200	28
Potassium (K)	mg/L	12	2.9
Bicarbonate (HCO <sub>3</sub> )	mg/L	165	210
Sulphate (SO <sub>4</sub> )	mg/L	400	2.0

- Analysis Results -



Results of Water Quality Analysis (5/8)

- Location Information -

Sample No.	17-1	17-2	18-1	18-2	19-1	19-2	20-1	20-2
Village ID No.	17	17	18	18	19	19	20	20
Village Name	North Bhabanpur	North Bhabanpur	Jagshar	Jagshar	Navada Khammediar	Navada Khammediar	Pakuria	Pakuria
Union Name	Dharanpur	Dharanpur	Junidahi	Junidahi	Mokaripur	Mokaripur	Prangpur	Prangpur
Upazila Name	Bheramara	Bheramara	Bheramara	Bheramara	Bheramara	Bheramara	Daulatpur	Daulatpur
District Name	Kushia	Kushia	Kushia	Kushia	Kushia	Kushia	Kushia	Kushia
Sample collection date	14/12/2011	14/12/2011	14/12/2011	14/12/2011	14/12/2011	14/12/2011	15/12/2011	15/12/2011
Sample Source	Tube well (TW), Depth - 310 ft.	Tube well (TW), Depth - 313 ft.	Tube well (TW), Depth - 192 ft.	Tube well (TW), Depth - 200 ft.	Tube well (TW), Depth - 295 ft.	Tube well (TW), Depth - 333 ft.	Tube well (TW), Depth - 335 ft.	Tube well (TW), Depth - 324 ft.
Location	24° 01' 46" N 88° 57' 24" E	24° 01' 47" N 88° 57' 22" E	24° 03' 17" N 88° 57' 05" E	24° 02' 57" N 88° 56' 58" E	24° 03' 18" N 88° 59' 19" E	24° 03' 22" N 88° 59' 34" E	24° 03' 00" N 88° 44' 56" E	24° 03' 06" N 88° 45' 06" E
Name of Well Owner	Md. Abu Bakkar	Md. Saheb Ali	Md. Taieb Ali	Md. Belpour Ali	Md. Aminul Islam	Md. Abu Kashem	Md. Abu Bakkar Siddiq	Md. Zakir Hossain

- Analysis Results -

Items	Unit	Bangladesh Standard	Results	
			Observed	Standard
Total Coliform/Bacteria	cfu/100 mL	0	0	0
Escherichia Coli (Fecal Coli.)	cfu/100 mL	0	0	0
Arsenic (As)	mg/L	0.05	0.023	0.032
Fluoride (F)	mg/L	1	0.28	0.35
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	<0.10	0.7
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	0.04	0.14
Manganese (Mn)	mg/L	0.1	0.09	0.1
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	320	340
Calcium (Ca)	mg/L	75	96.3	99
Magnesium (Mg)	mg/L	35	38	40
Iron (Fe)	mg/L	0.3-1	1.3	2.7
Chloride (Cl)	mg/L	150-600	5	8
Total Dissolved Solid (TDS)	mg/L	1000	334	339
Ammonia (NH <sub>3</sub> )	mg/L	-	0.41	0.45
pH	-	6.5-8.5	7.8	8.0
Taste	-	Not Offensive	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless
Colour	PCU (Hazen)	15	2.7	3.9
Turbidity	NTU	10	1.5	2.3
Temperature (T)	°C	20-30	23.7	23.7
Electrical Conductivity (EC)	mS/m	-	66.7	67.9
Sodium (Na)	mg/L	200	25	20
Potassium (K)	mg/L	12	2.5	2.6
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	205	205
Sulphate (SO <sub>4</sub> )	mg/L	400	1.0	1.0

Results of Water Quality Analysis (6/8)

- Location Information -											
Sample No.	21-1	21-2	22-1	22-2	23-1	23-2	24-1	24-2			
Village ID No.	21	21	22	22	23	23	24	24			
Village Name	Alampur	Alampur	Subaidpur	Subaidpur	Anupagar	Anupagar	Moharajpur	Moharajpur			
Union Name	Arjilnupi	Arjilnupi	Kutubpur	Kutubpur	Char Anupagar	Char Anupagar	Maharajpur	Maharajpur			
Upazila Name	Meherpur Sadar	Meherpur Sadar	Meherpur Sadar	Meherpur Sadar	Nawabganj Sadar	Nawabganj Sadar	Nawabganj Sadar	Nawabganj Sadar			
District Name	Meherpur	Meherpur	Meherpur	Meherpur	Nawabganj	Nawabganj	Nawabganj	Nawabganj			
Sample collection date	13/12/2011	13/12/2011	13/12/2011	13/12/2011	16/12/2011	16/12/2011	16/12/2011	16/12/2011			
Sample Source	Tube well (TW), Depth - 380 ft.	Tube well (TW), Depth - 380 ft.	Tube well (TW), Depth - 420 ft.	Tube well (TW), Depth - 400 ft.	Tube well (TW), Depth - 80 ft.	Tube well (TW), Depth - 90 ft.	Tube well (TW), Depth - 90 ft.	Tube well (TW), Depth - 85 ft.			
Location	23° 47' 41" N 88° 41' 18" E	23° 47' 41" N 88° 41' 33" E	23° 48' 50" N 88° 38' 56" E	23° 48' 50" N 88° 39' 04" E	24° 30' 41" N 88° 18' 18" E	24° 31' 11" N 88° 18' 10" E	24° 36' 57" N 88° 13' 40" E	24° 36' 56" N 88° 13' 38" E			
Name of Well Owner	Md. Abul Hossain	Md. Abu Bakar	Md. Rupelchand	Md. Bitu	Md. Soibar	Md. Babur Ali	Md. Unis Mondal	Md. Abdul Goni			

- Analysis Results -

Items	Unit	Bangladesh Standard	Results											
			0	0	0	0	0	0	0	0	0	0		
Total Coliform Bacteria	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0	0
Escherichia Coli (Fecal Coli.)	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0	0
Arsenic (As)	mg/L	0.05	0.164	0.179	0.148	0.174	0.027	0.138	0.138	0.138	0.138	0.138	0.138	<0.001
Fluoride (F)	mg/L	1	<0.018	<0.018	<0.018	<0.018	0.12	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	<0.10	<0.10	<0.10	3	6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	47
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	<0.016	<0.016	<0.016	1.5	1.2	0.13	0.13	0.13	0.13	0.13	0.13	0.64
Manganese (Mn)	mg/L	0.1	0.17	0.36	0.25	0.13	2.5	2.1	0.77	0.77	0.77	0.77	0.77	0.86
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	350	425	340	315	315	430	400	400	400	400	400	540
Calcium (Ca)	mg/L	75	113	128	104	110	284	355	315	315	315	315	315	184
Magnesium (Mg)	mg/L	35	27	31	24	24	24	44	42	42	42	42	42	70
Iron (Fe)	mg/L	0.3-1	3.6	7.5	8.7	3.1	1	3.5	1.2	1.2	1.2	1.2	1.2	1.2
Chloride (Cl)	mg/L	150-600	10	9	13	19	15	21	9	9	9	9	9	21
Total Dissolved Solid (TDS)	mg/L	1000	352	402	323	345	272	406	365	365	365	365	365	568
Ammonia (NH <sub>3</sub> )	mg/L	-	0.84	2	0.47	0.27	0.18	2.6	0.64	0.64	0.64	0.64	0.64	1.4
pH	-	6.5-8.5	7.9	7.8	7.9	7.9	8.3	8.0	7.8	7.8	7.8	7.8	7.8	8.1
Taste	-	Not Offensive	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	TCU (Hazen)	15	2.5	3.4	4.8	3.3	2.7	6.1	14.0	14.0	14.0	14.0	14.0	2.5
Turbidity	NTU	10	0.7	2.1	5.3	1.7	0.75	40	42	42	42	42	42	0.21
Temperature (T)	°C	20-30	23.5	23.6	23.6	23.8	23.5	23.6	23.4	23.4	23.4	23.4	23.4	23.5
Electrical Conductivity (EC)	mS/m	-	70.4	80.5	64.5	68.8	54.4	81.2	72.9	72.9	72.9	72.9	72.9	113.5
Sodium (Na)	mg/L	200	17	18	14	17	10	8.1	24	24	24	24	24	2
Potassium (K)	mg/L	12	4	6.3	4	3.8	3.5	6	5	5	5	5	5	13
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	210	245	185	185	140	230	200	200	200	200	200	260
Sulphate (SO <sub>4</sub> )	mg/L	400	1.0	2.0	1.0	1.0	1.0	2.0	7.0	7.0	7.0	7.0	7.0	33.0

Results of Water Quality Analysis (7/8)

- Location Information -									
Sample No.	25-1	25-2	26-1	26-2	27-1	27-2	28-1	28-2	
Village ID No.	25	25	26	26	27	27	28	28	
Village Name	Ghoraparakhia	Ghoraparakhia	Satrājipur	Satrājipur	Khanna Bari	Khanna Bari	Morichapara	Morichapara	
Union Name	Ranibati	Ranibati	Chhinnaitipur	Chhinnaitipur	Masumdia	Masumdia	Nann Bharenga	Nann Bharenga	
Upazila Name	Nawabganj Sadar	Nawabganj Sadar	Shibganj	Shibganj	Bera	Bera	Bera	Bera	
District Name	Nawabganj	Nawabganj	Nawabganj	Nawabganj	Pabna	Pabna	Pabna	Pabna	
Sample collection date	15/12/2011	15/12/2011	15/12/2011	15/12/2011	17/12/2011	17/12/2011	18/12/2011	18/12/2011	
Sample Source	Tube well (TW), Depth - 115 ft.	Tube well (TW), Depth - 95 ft.	Tube Well (TW), Depth - 95 ft.	Tube well (TW), Depth - 100 ft.	Tube Well (TW), Depth - 65 ft.	Tube Well (TW), Depth - 65 ft.	Tube Well (TW), Depth - 70 ft.	Tube Well (TW), Depth - 65 ft.	
Location	24° 37' 18" N 88° 11' 42" E	24° 37' 12" N 88° 12' 04" E	24° 39' 08" N 88° 10' 05" E	24° 38' 44" N 88° 10' 31" E	23° 53' 28" N 89° 38' 14" E	23° 53' 23" N 89° 38' 06" E	23° 59' 55" N 89° 39' 15" E	23° 59' 59" N 89° 39' 17" E	
Name of Well Owner	Md. Shajahan Ali	Mosjid Community	Altaj Mokbid	Md. Kianul Islam	Md. Nurul Molla	Md. Mennoj Molla	Md. Hafez Ali Berni	Md. Ismail Pramanik	

- Analysis Results -

Items	Unit	Bangladesh Standard										Results	
		0	0	0	0	0	0	0	0	0	0	0	0
Total Coliform Bacteria	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0
Escherichia Coli (Fecal Coli)	cfu/100 mL	0	0	0	0	0	0	0	0	0	0	0	0
Arsenic (As)	mg/L	0.127	0.599	0.123	0.016	0.016	1.018	0.099	0.099	0.099	0.099	0.099	0.079
Fluoride (F <sup>-</sup> )	mg/L	1	0.16	0.21	0.12	0.15	0.35	0.37	0.37	0.37	0.37	0.37	0.95
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> -L	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	1	1	1	1	1	<0.1
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> -L	<0.016	0.03	<0.016	0.4	0.05	0.04	1.5	0.04	0.04	0.04	0.04	0.04
Manganese (Mn)	mg/L	0.98	0.85	0.09	2.6	1.6	1.1	2.4	1.1	1.1	1.1	1.1	2.6
Total Hardness (as CaCO <sub>3</sub> )	mg/L	360	380	430	480	480	430	295	385	385	385	385	550
Calcium (Ca)	mg/L	145	288	327	358	358	138	113	86.3	86.3	86.3	86.3	167.4
Magnesium (Mg)	mg/L	32.3	49	42	61.8	61.8	34.1	30.7	32.7	32.7	32.7	32.7	66.8
Iron (Fe)	mg/L	4	14	4.8	1.4	1.3	1.1	1.1	41.2	41.2	41.2	41.2	20.4
Chloride (Cl)	mg/L	18	38	44	52	75	75	23	6	6	6	6	130
Total Dissolved Solid (TDS)	mg/L	352	436	452	512	413	413	381	274	274	274	274	618
Ammonia (NH <sub>3</sub> )	mg/L	0.47	0.76	0.89	1	0.67	0.6	0.6	4	4	4	4	1.6
pH	-	7.9	7.7	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.6
Taste	-	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	TCU (Hazen)	8.4	9.3	12.0	4.0	4.0	9.4	7.1	7.1	7.1	7.1	7.8	12.0
Turbidity	NTU	10	14	38	2	2	60	68	68	68	68	68	220
Temperature (T)	°C	23.4	23.4	23.7	23.4	23.4	23.3	23.3	23.3	23.3	23.3	23.2	23.2
Electrical Conductivity (EC)	mS/m	70.4	87.1	90.5	102.4	102.4	82.6	76.2	55.1	55.1	55.1	55.1	123.5
Sodium (Na)	mg/L	17	64	40	44	57	57	89	22	22	22	22	28
Potassium (K)	mg/L	5	4	5.3	6.3	10	10	5	4.1	4.1	4.1	4.1	6
Bicarbonate (HCO <sub>3</sub> <sup>-</sup> )	mg/L	200	200	230	250	240	190	190	160	160	160	160	230
Sulphate (SO <sub>4</sub> )	mg/L	400	1.0	2.0	16.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	32.0

Results of Water Quality Analysis (8/8)

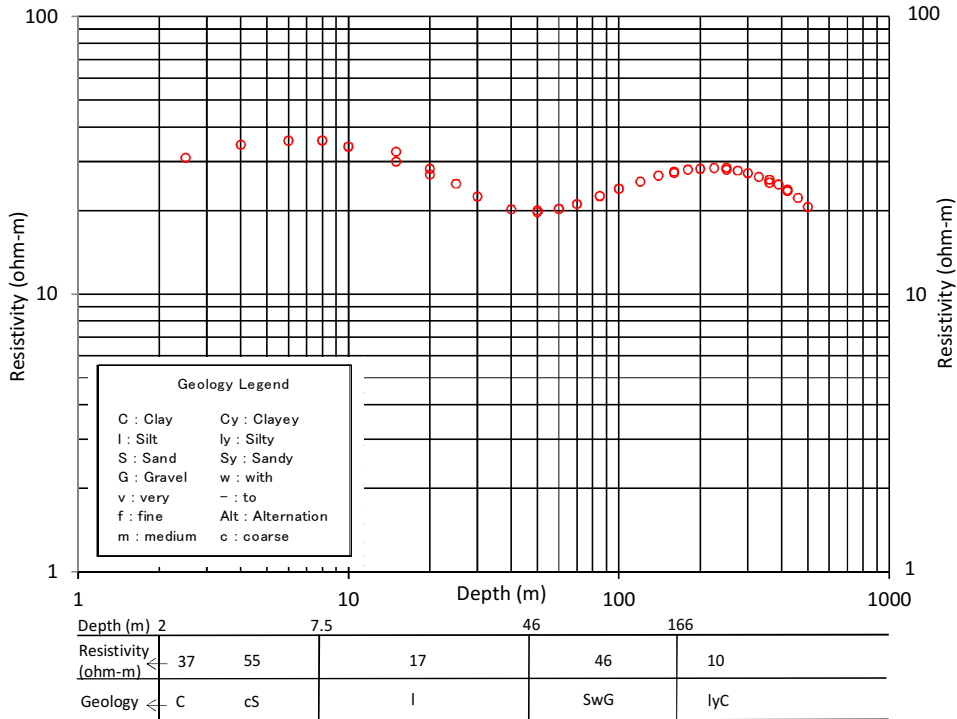
- Location Information -		29-1	29-2	30-1	30-2
Sample No.		29	29	30	30
Village ID No.		Shanila	Shanila	Boronaganon	Boronaganon
Village Name		Paurashabha	Paurashabha	Ruppur	Ruppur
Union Name		Bera	Bera	Bera	Bera
Upazila Name		Pabna	Pabna	Pabna	Pabna
District Name		Pabna	Pabna	Pabna	Pabna
Sample collection date		17/12/2011	17/12/2011	18/12/2011	18/12/2011
Sample Source		Tube Well (TW)	Tube Well (TW)	Tube Well (TW)	Tube Well (TW)
Location	Latitude (N)	24° 04' 25"	24° 04' 16"	23° 53' 33"	23° 53' 32"
	Longitude (E)	89° 36' 34"	89° 36' 36"	89° 39' 08"	89° 39' 11"
Name of Well Owner		Md. Lutfor Rahman	Md. Nasir Uddin	Md. Faimi Hossain	Hanif Mowd Jame Moslit

- Analysis Results -

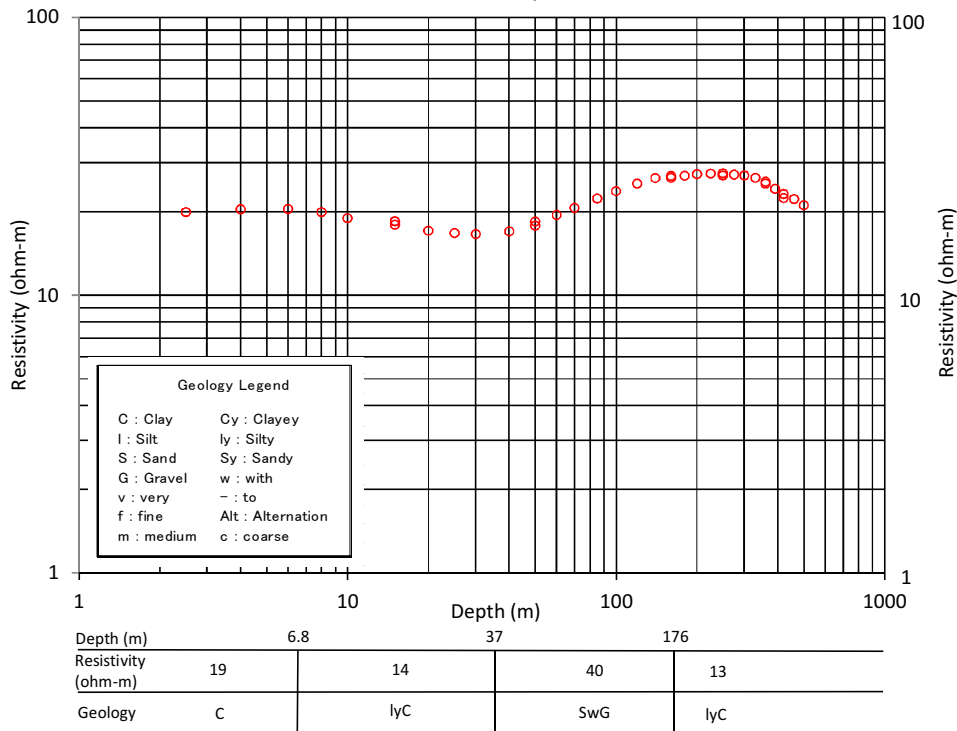
Items	Unit	Bangladesh Standard	Results			
Total Coliform Bacteria	cfu/100 mL	0	0	0	0	0
Escherichia Coli (Fecal Coli)	cfu/100 mL	0	0	0	0	0
Arsenic (As)	mg/L	0.05	0.032	0.02	0.627	0.192
Fluoride (F)	mg/L	1	0.53	0.32	0.27	0.15
Nitrate (NO <sub>3</sub> )	mg NO <sub>3</sub> /L	10	2.8	<0.1	11	5.7
Nitrite (NO <sub>2</sub> )	mg NO <sub>2</sub> /L	1	0.54	0.03	1.5	2.2
Manganese (Mn)	mg/L	0.1	0.68	0.54	1.7	0.94
Total Hardness (as CaCO <sub>3</sub> )	mg/L	200-500	465	445	305	340
Calcium (Ca)	mg/L	75	106	134	104.8	126.2
Magnesium (Mg)	mg/L	35	42	54	30.2	34.7
Iron (Fe)	mg/L	0.3-1	1.3	1.7	15.1	5.5
Chloride (Cl)	mg/L	150-600	65	65	8	52
Total Dissolved Solid (TDS)	mg/L	1000	409	453	317	356
Ammonia (NH <sub>3</sub> )	mg/L	-	1.2	0.9	0.67	0.74
pH	-	6.5-8.5	8.0	7.8	8.0	8.4
Taste	-	Not Offensive	Tasteless	Tasteless	Tasteless	Tasteless
Odour	-	Odourless	Odourless	Odourless	Odourless	Odourless
Colour	PCU (Hazen)	15	7.5	13.0	4.0	4.2
Turbidity	NTU	10	91	161	75	35
Temperature (T)	°C	20-30	23.4	23.3	23.2	23.2
Electrical Conductivity (EC)	mS/m	-	82.5	90.6	63.4	71.3
Sodium (Na)	mg/L	200	40	32.5	48	36
Potassium (K)	mg/L	12	7.5	3.6	3.5	6
Bicarbonate (HCO <sub>3</sub> )	mg/L	-	200	190	170	200
Sulphate (SO <sub>4</sub> )	mg/L	400	8.0	13.0	1.0	2.0

5-4 Result of Analysis of Geophysical Survey

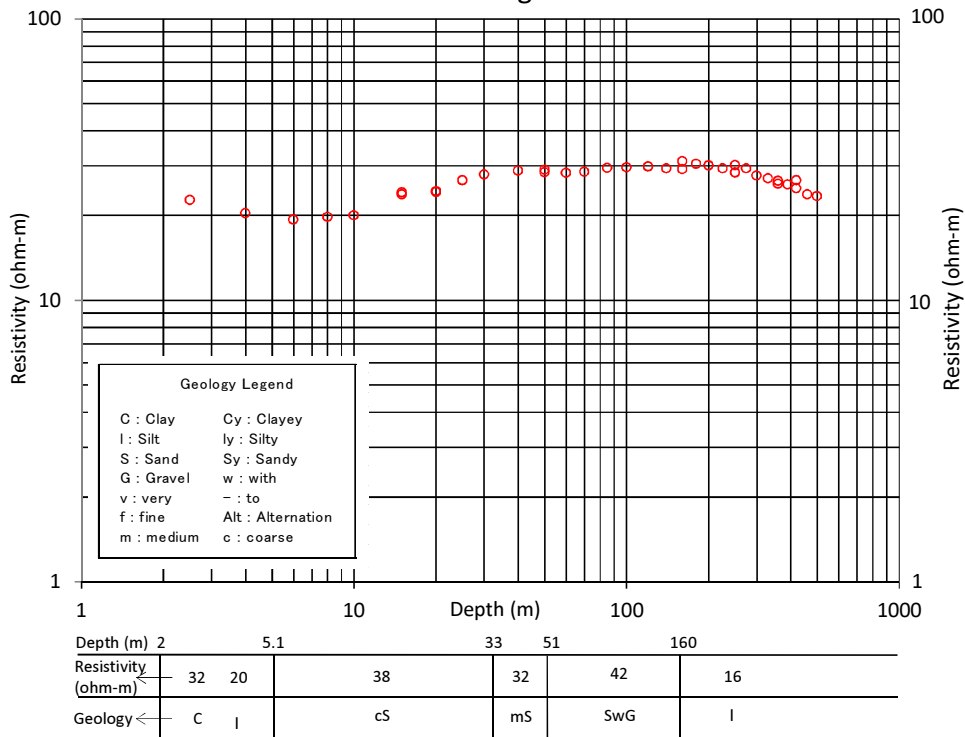
1-1 Bilmamudpur No.1



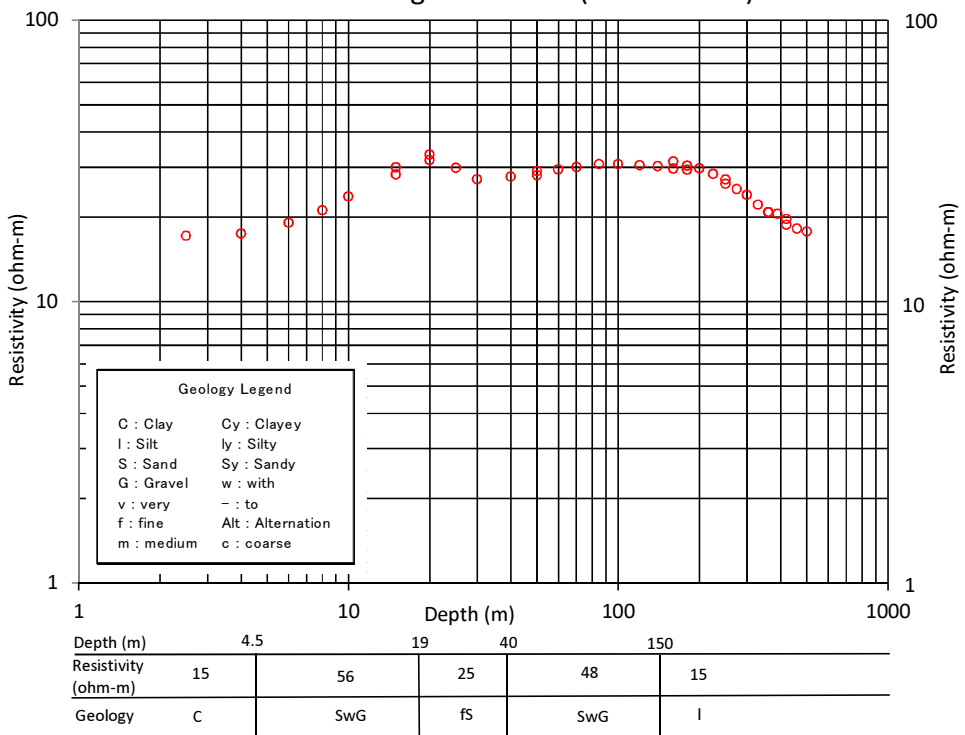
1-2 Bilmamudpur No.2



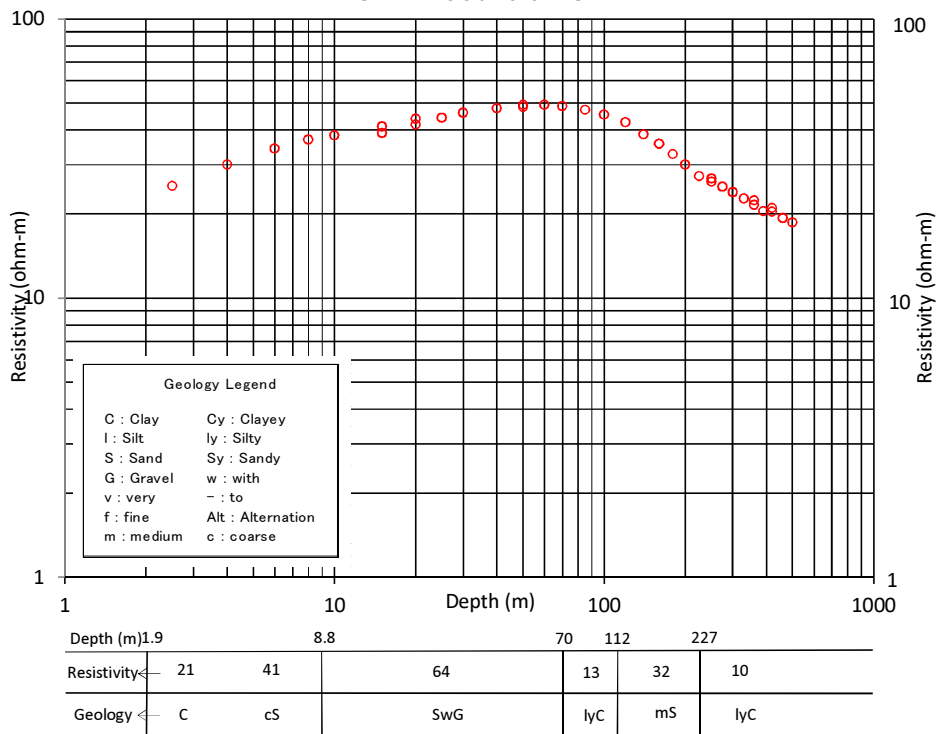
### 2-1 Purbo Gangabardi No.1



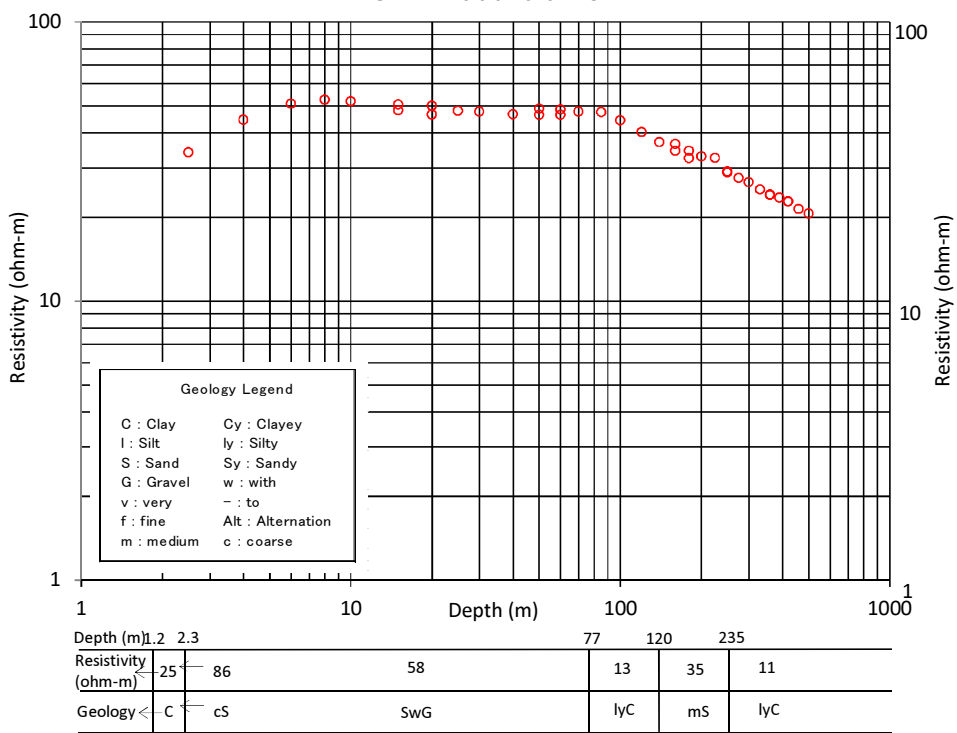
### 2-2 Pubo Gangabardi No.2 (Tula Shachia)



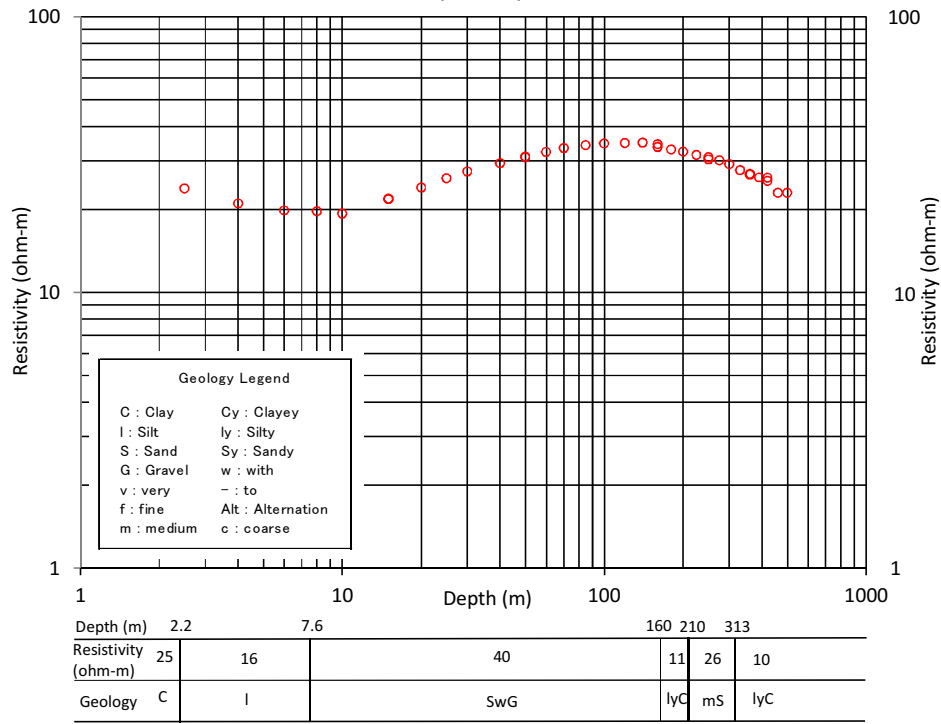
### 3-1 Bhadukdia No.1



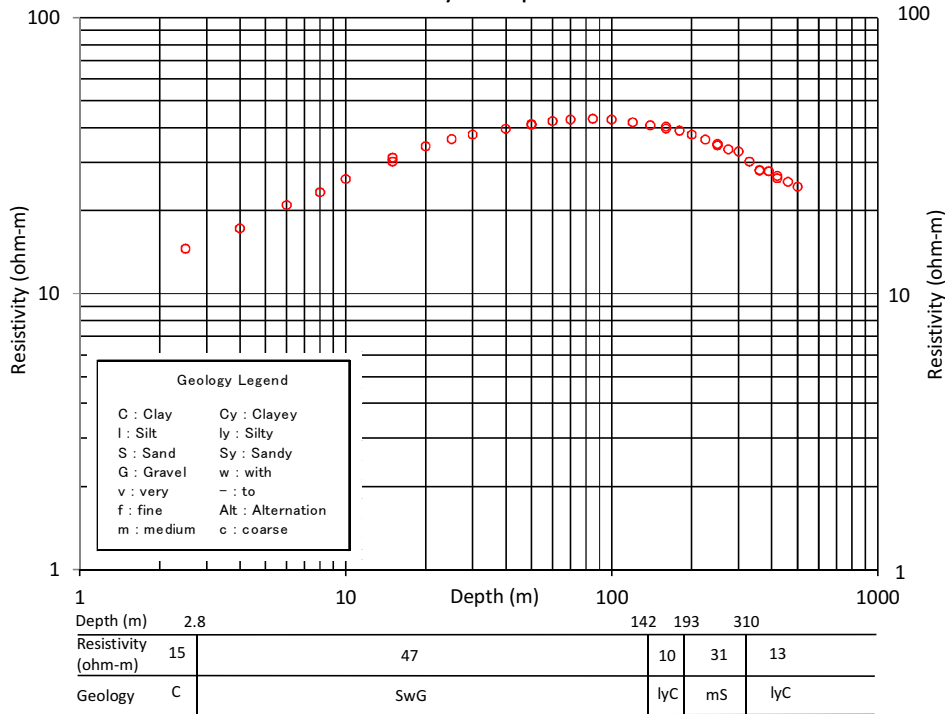
### 3-2 Bhadukdia No.2



### 4-1 Dayarampur No.1

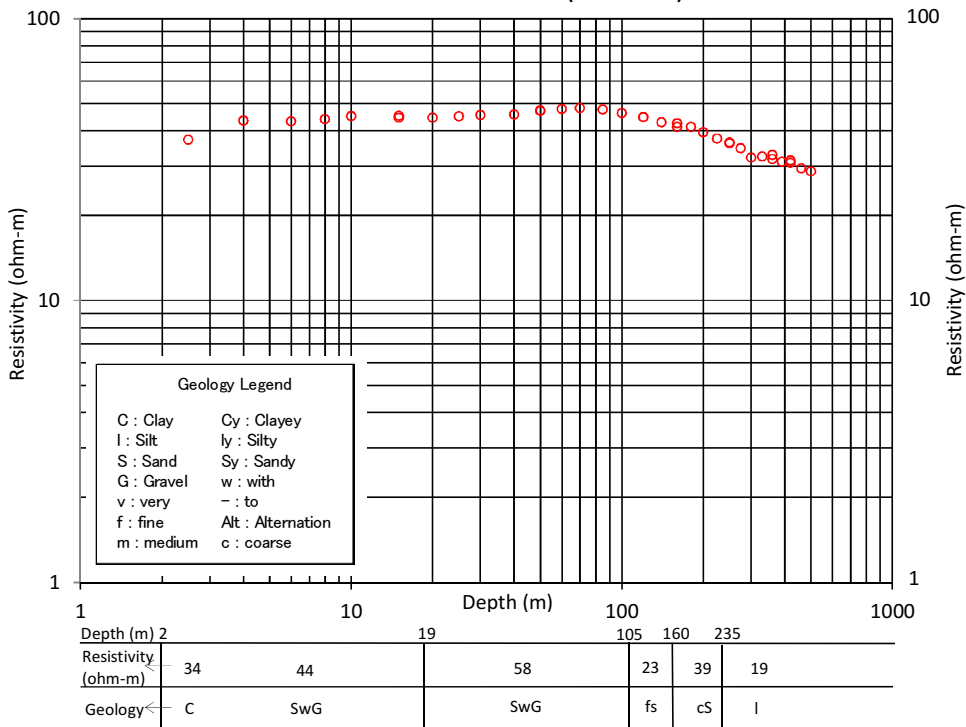


### 4-2 Dayarampur No.2

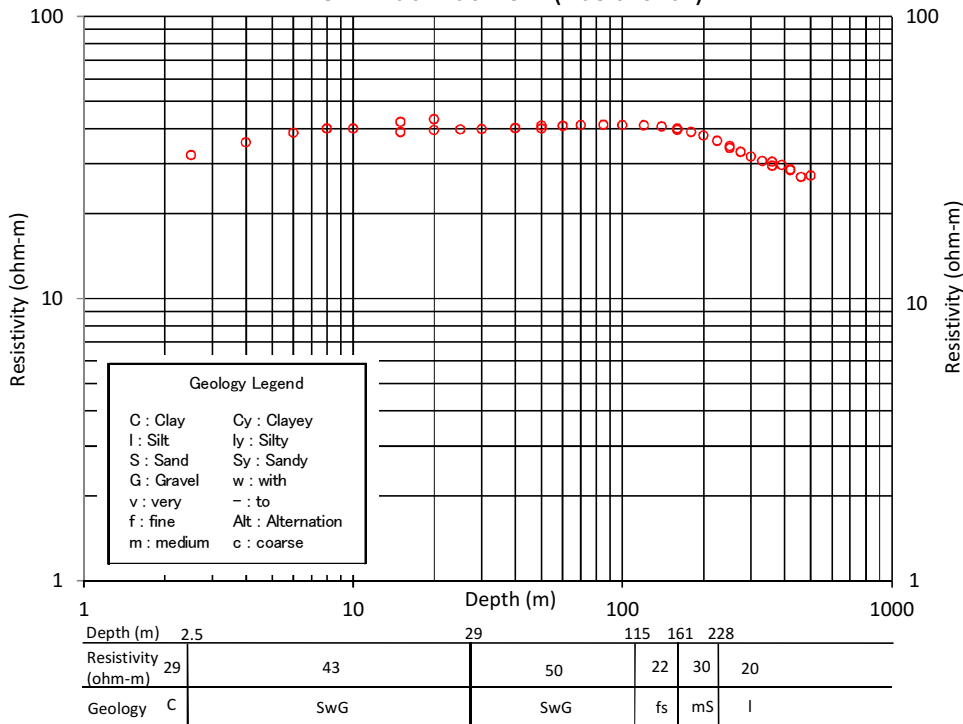




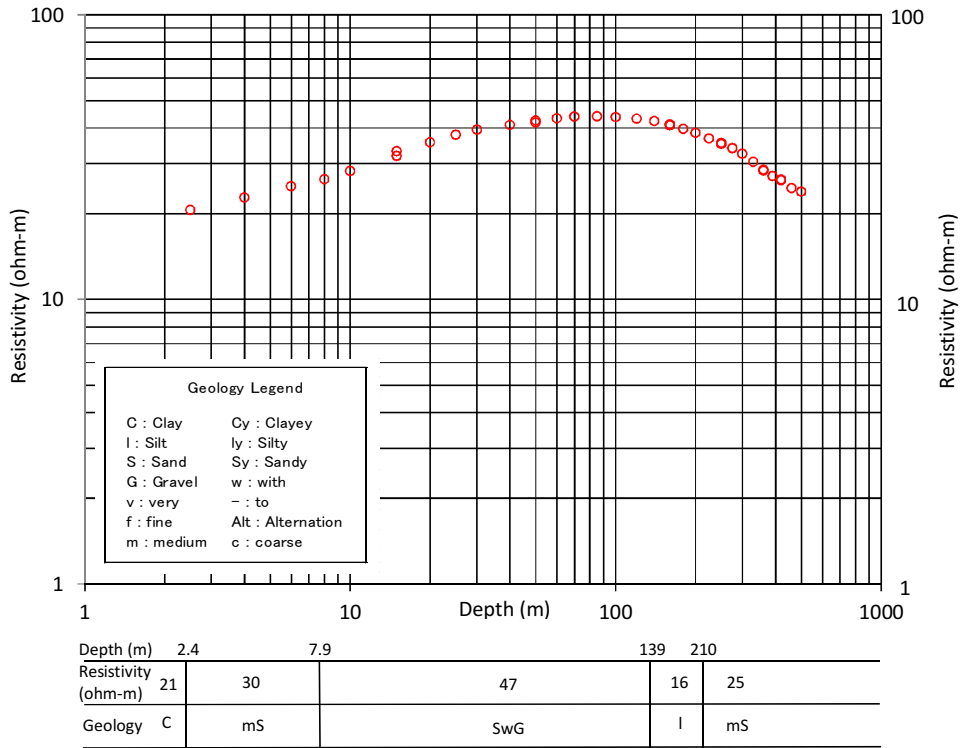
### 5-1 Kutirhat No.1 (Maluchi)



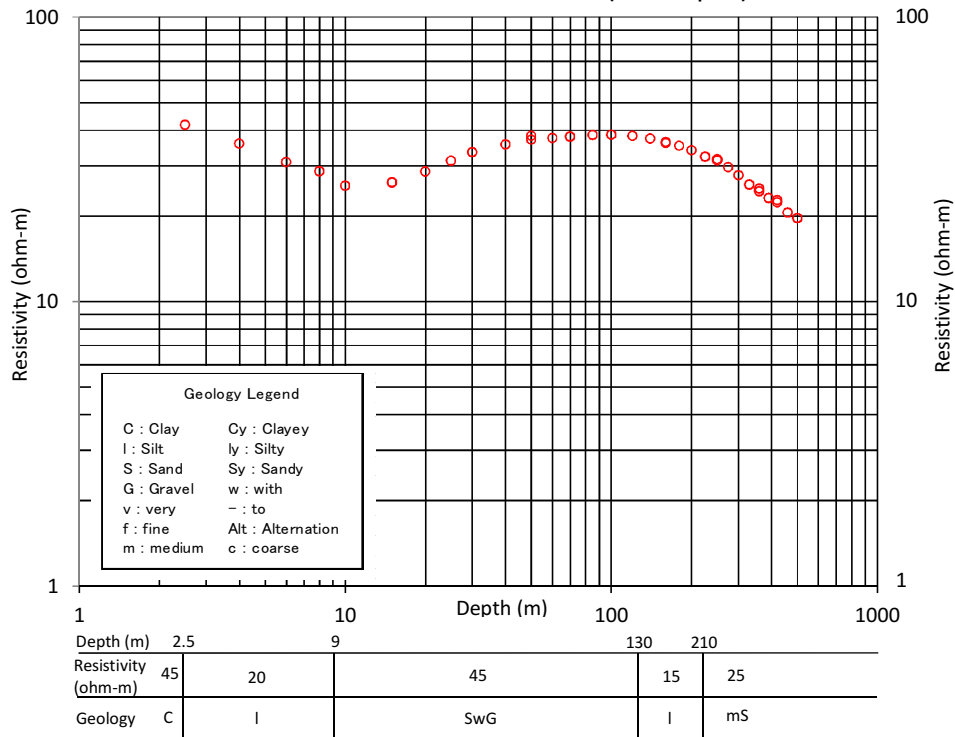
### 5-2 Kutirhat No.2 (Kusiarchar)



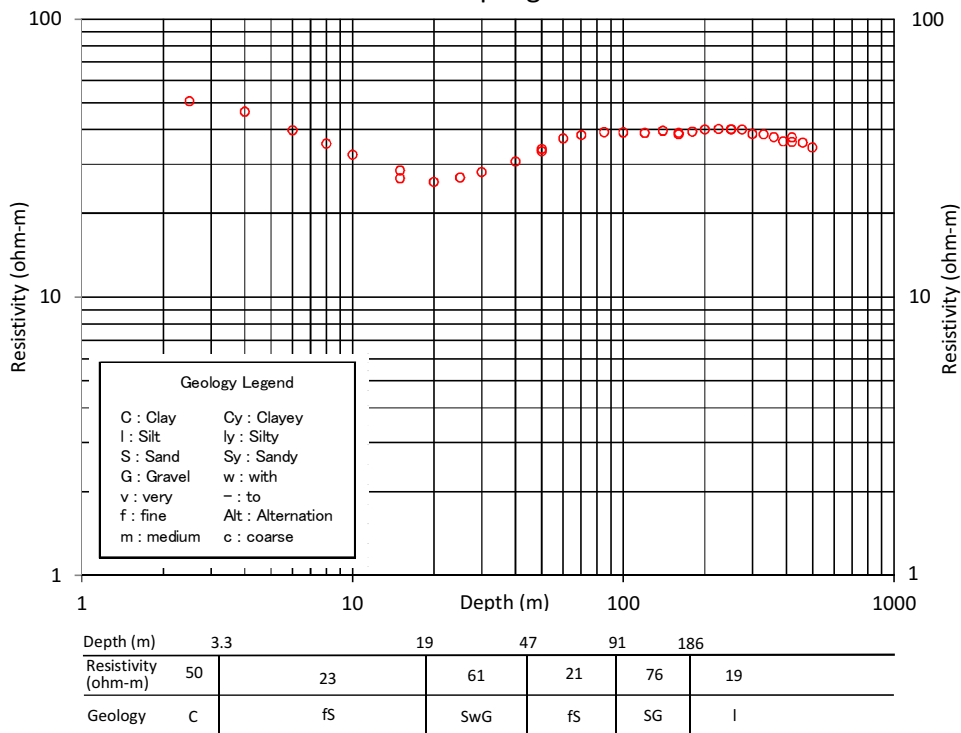
### 6-1 Pakurikanda No.1



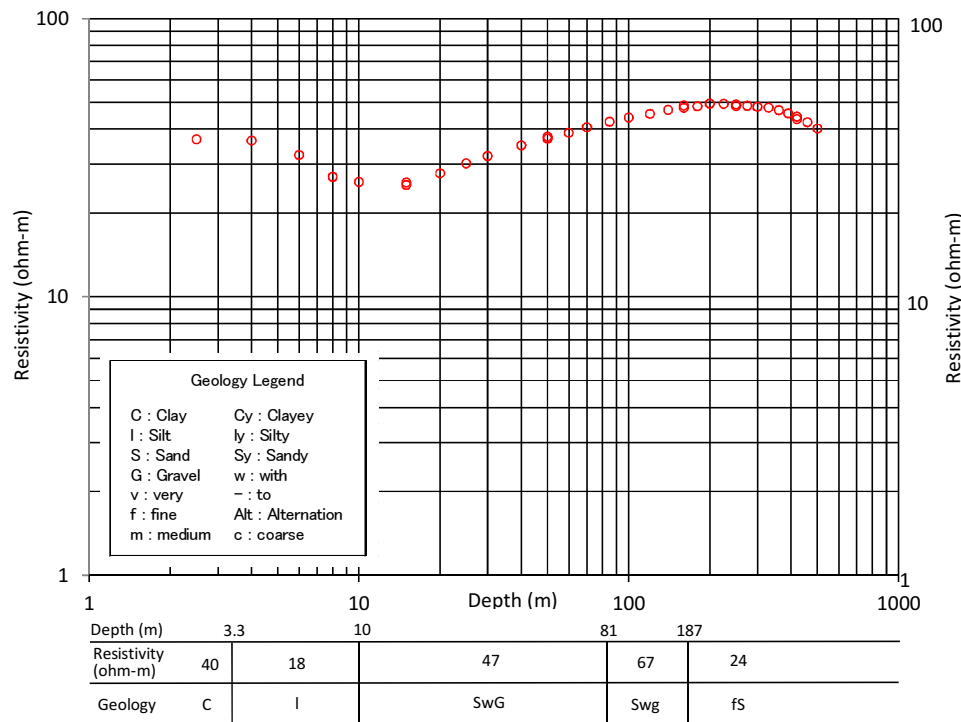
### 6-2 Pakurikanda No.2 (Boklarpur)



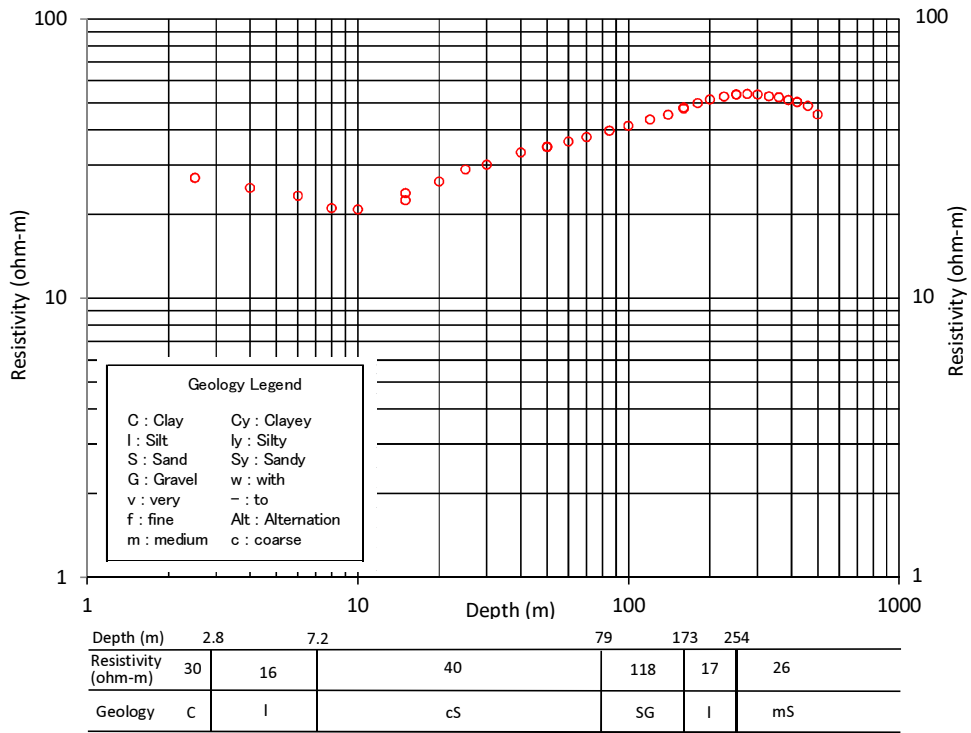
### 7-1 Ampnagar No.1



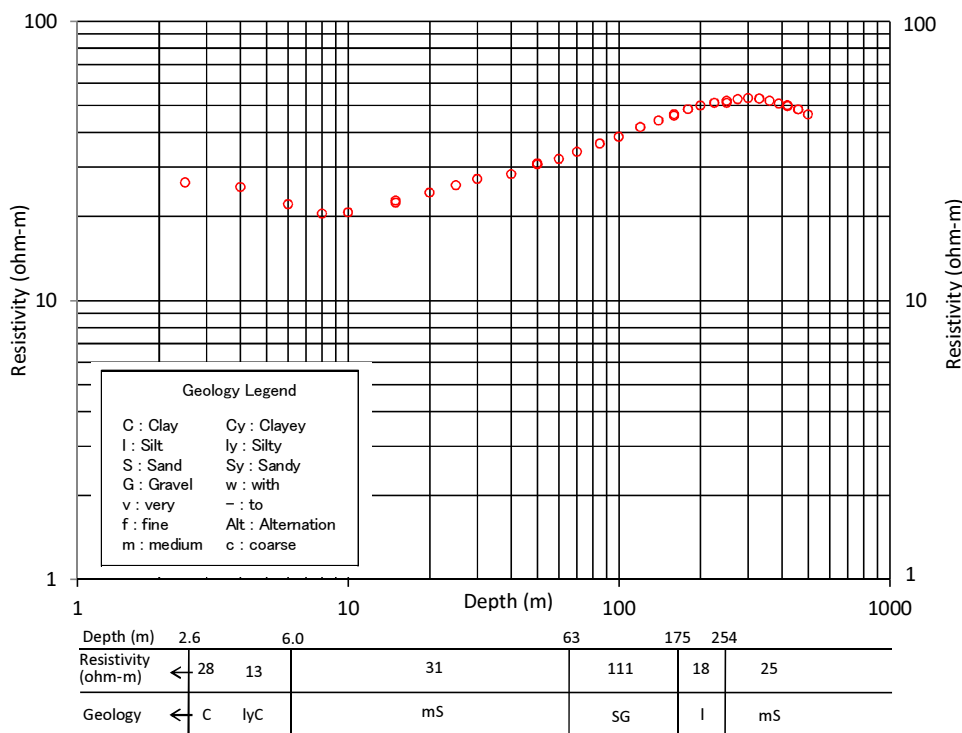
### 7-2 Ampnagar No.2



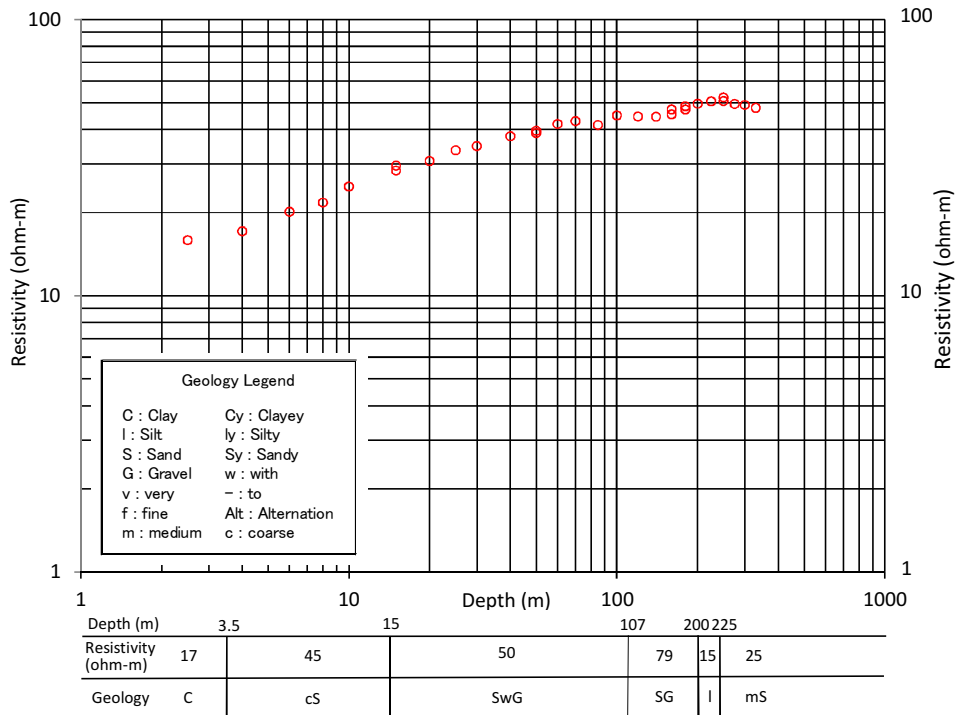
### 8-1 Betbaria No.1



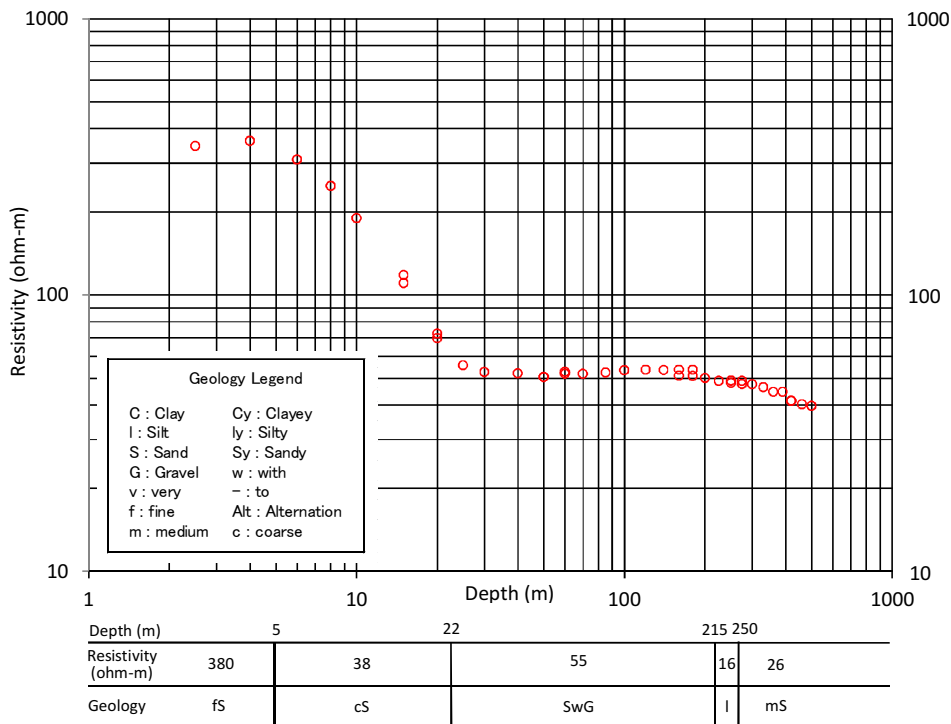
### 8-2 Betbaria No.2



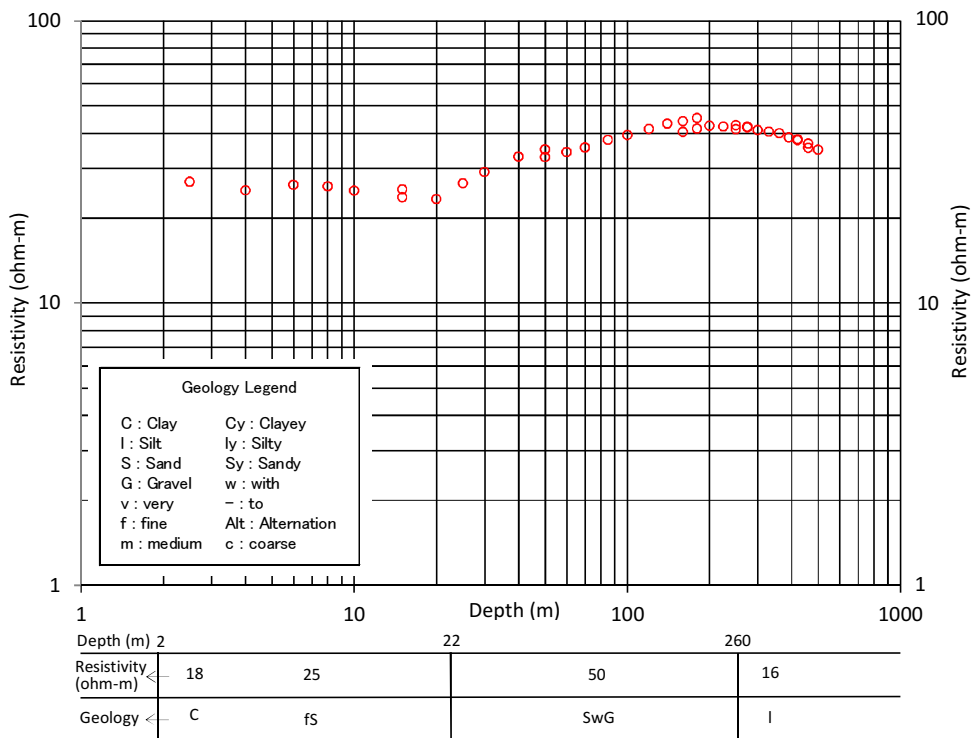
### 9-1 Boro Dudhpatila No.1



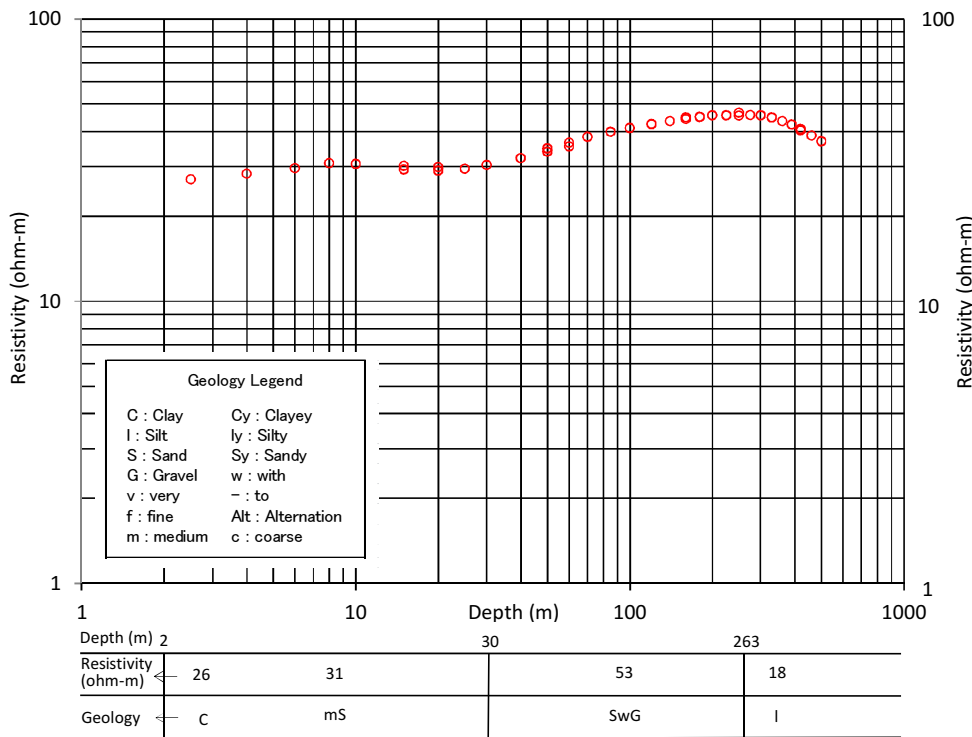
### 9-2 Boro Dudhpatila No.2



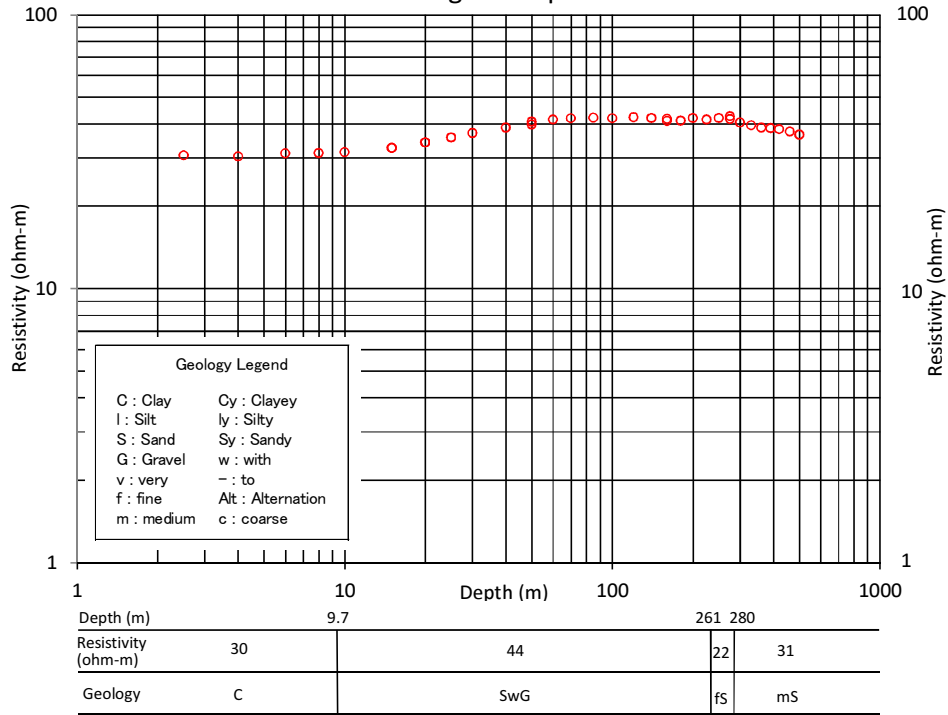
### 10-1 Boalmari No.1



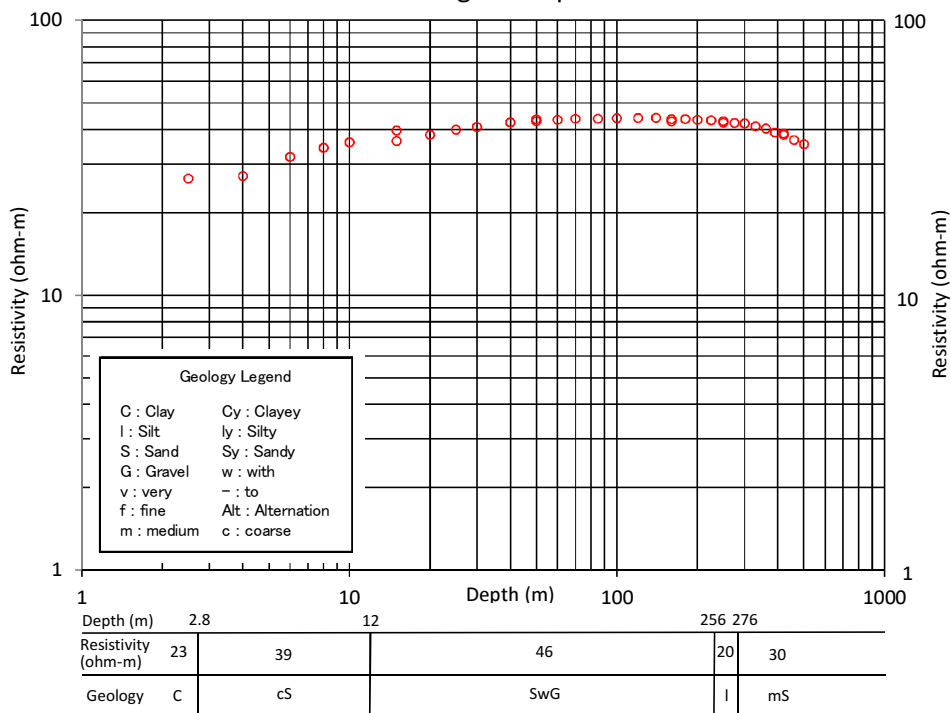
### 10-2 Boalmari No.2



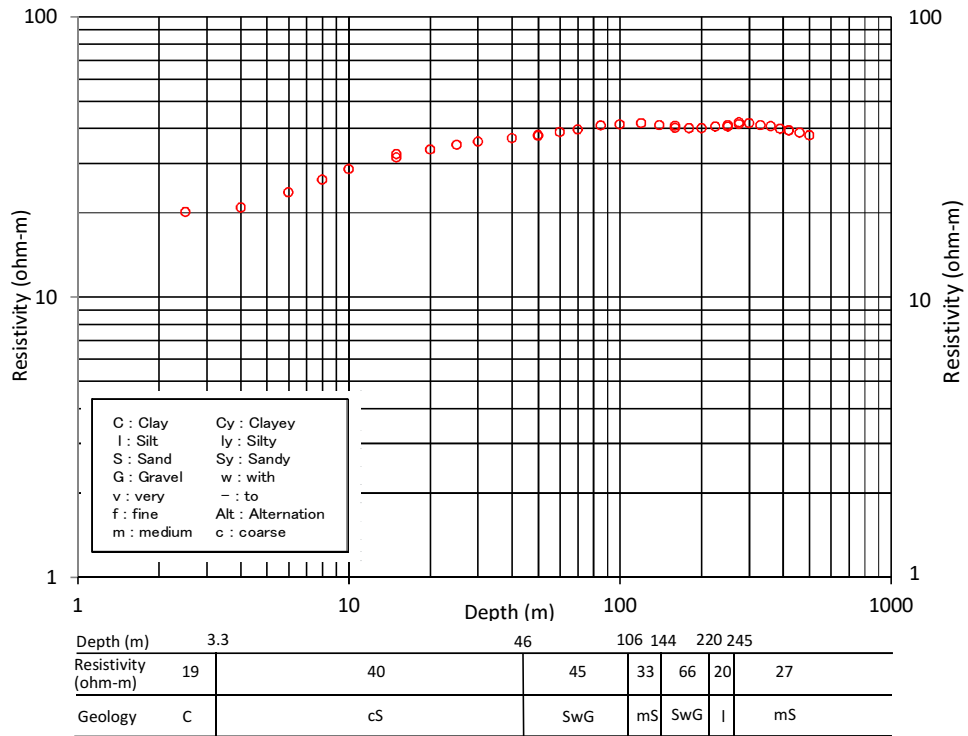
### 11-1 Bergobindapur No.1



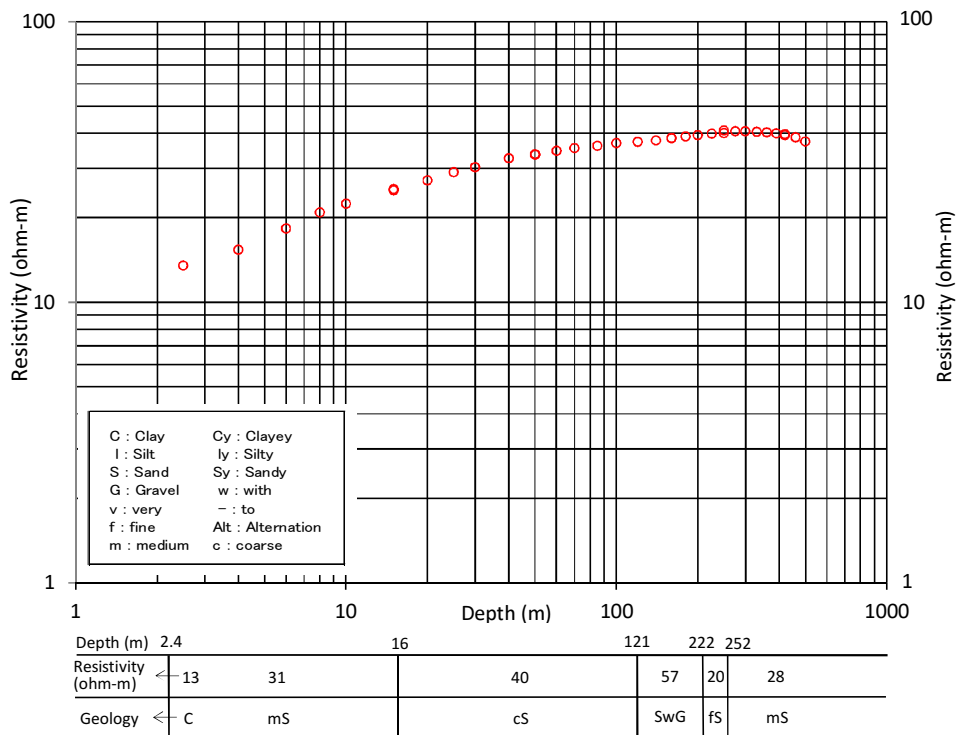
### 11-2 Bergobindapur No.2



### 12-1 Marua No.1

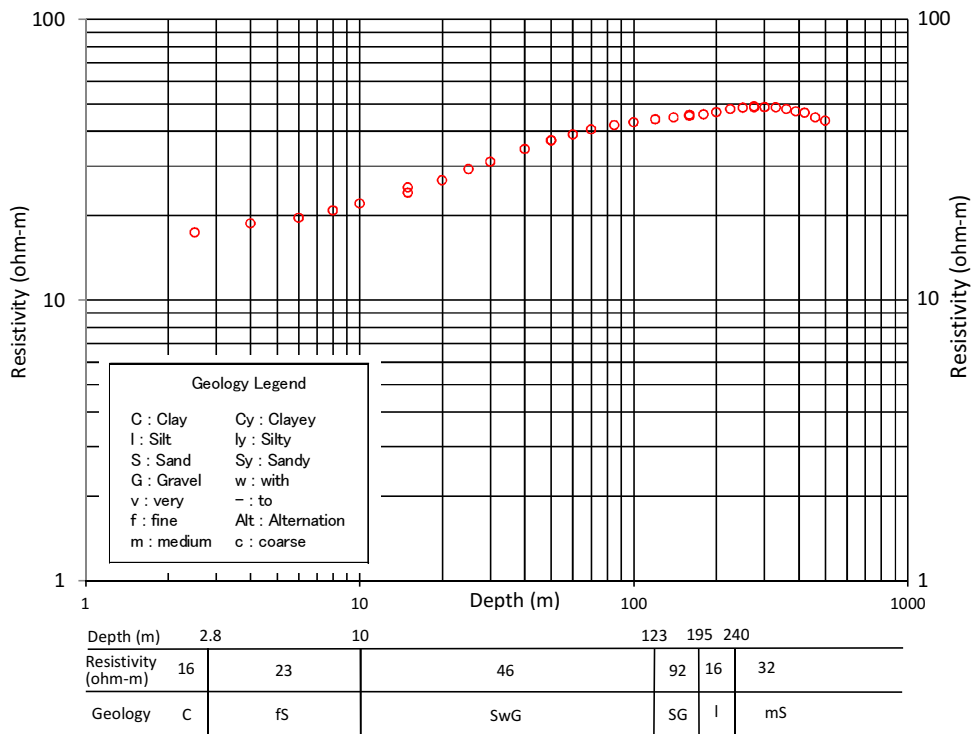


### 12-2 Marua No.2

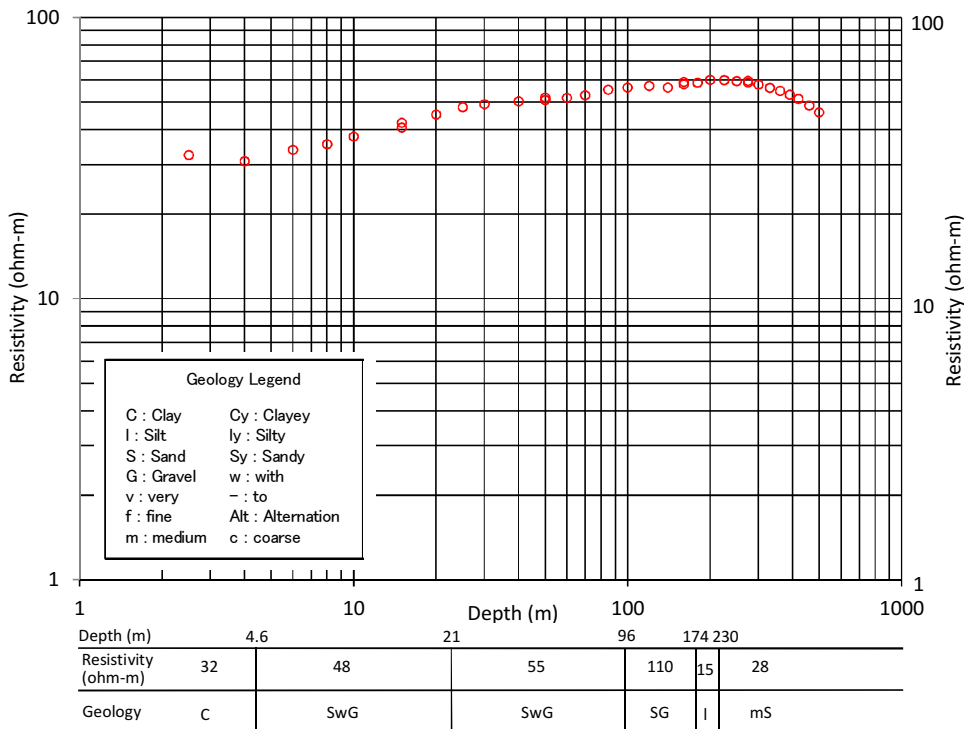




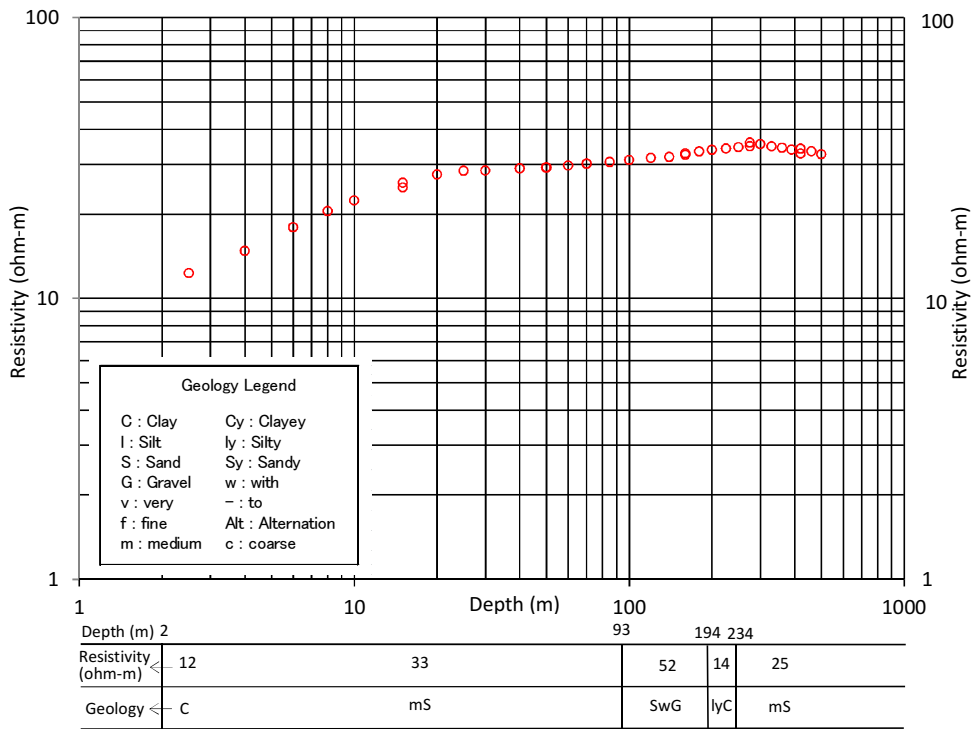
### 13-1 Purahuda No.1



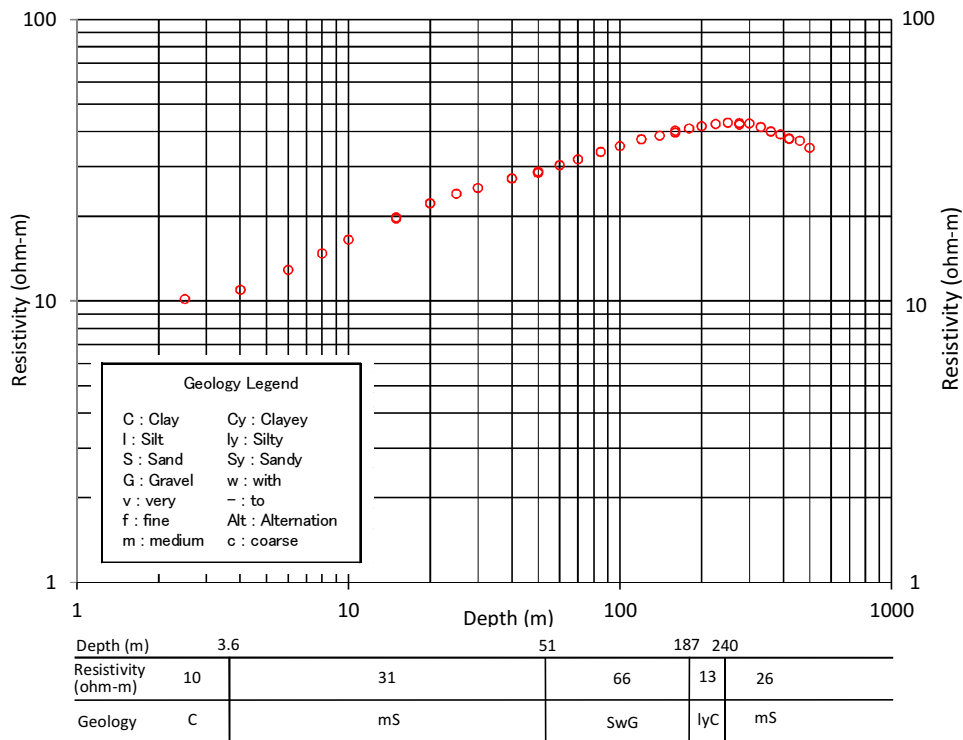
### 13-2 Purahuda No.2



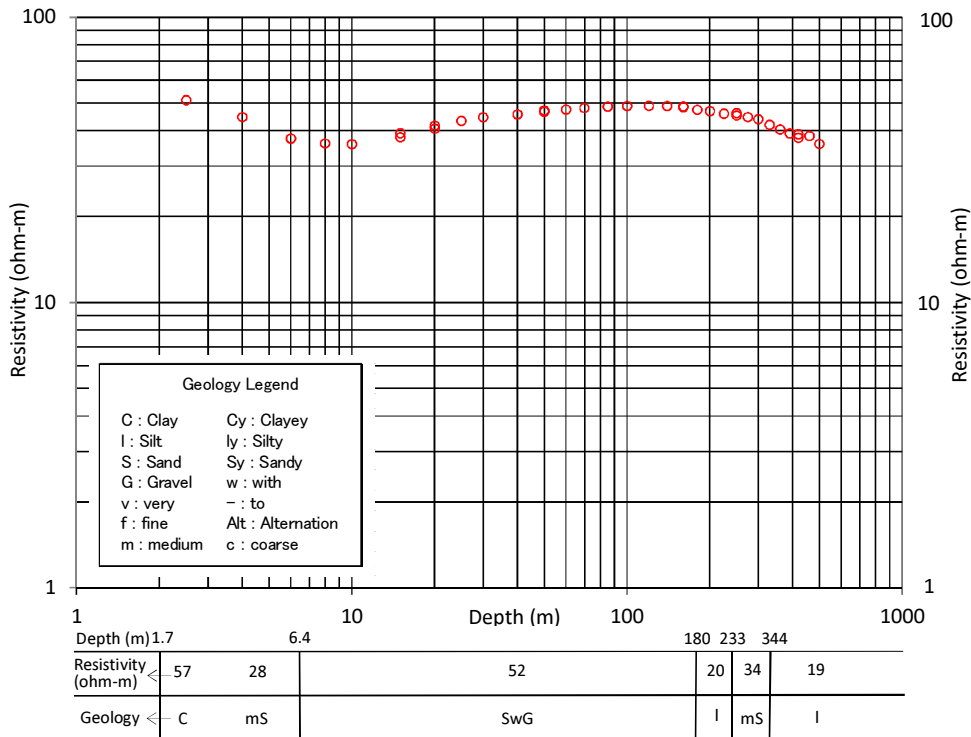
### 14-1 Baruihati No.1



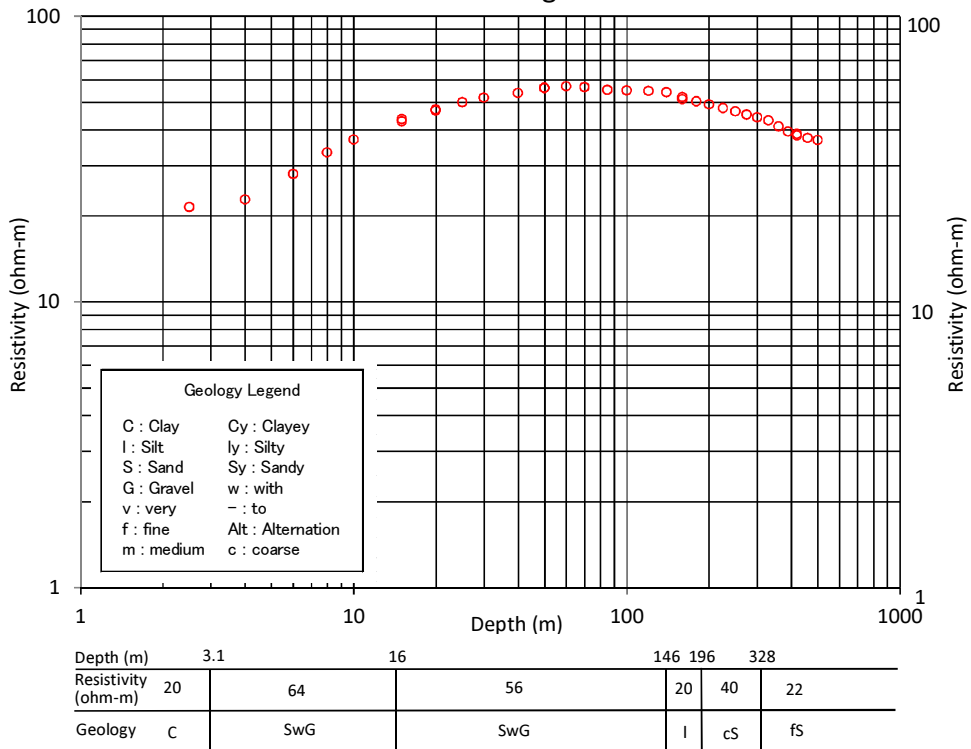
### 14-2 Baruihati No.2



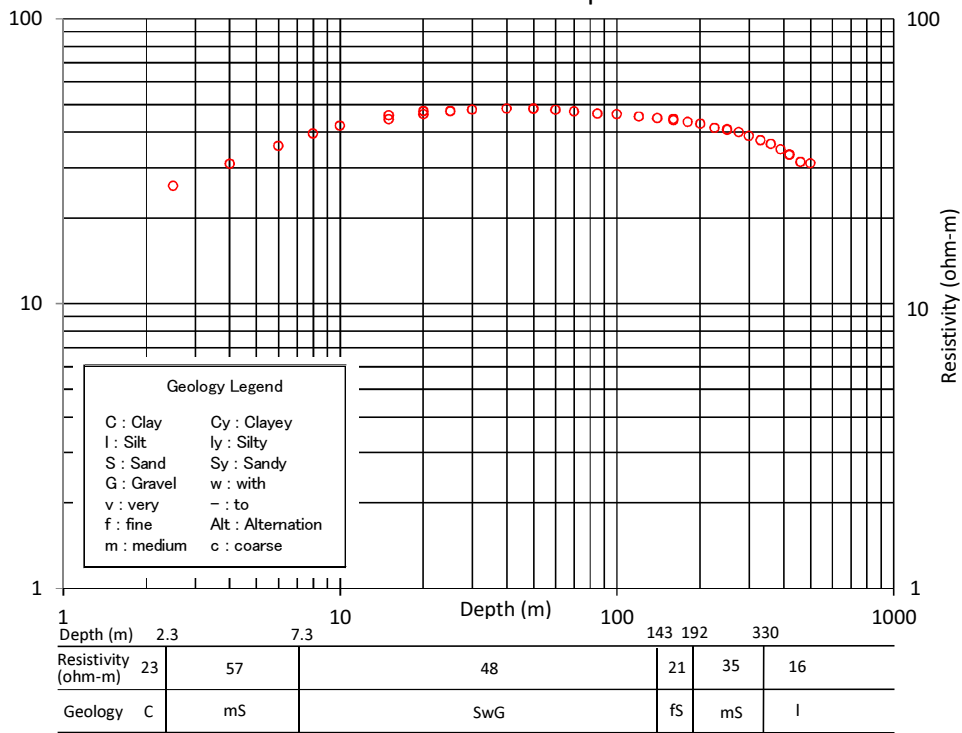
### 15-1 Achintanagar No.1



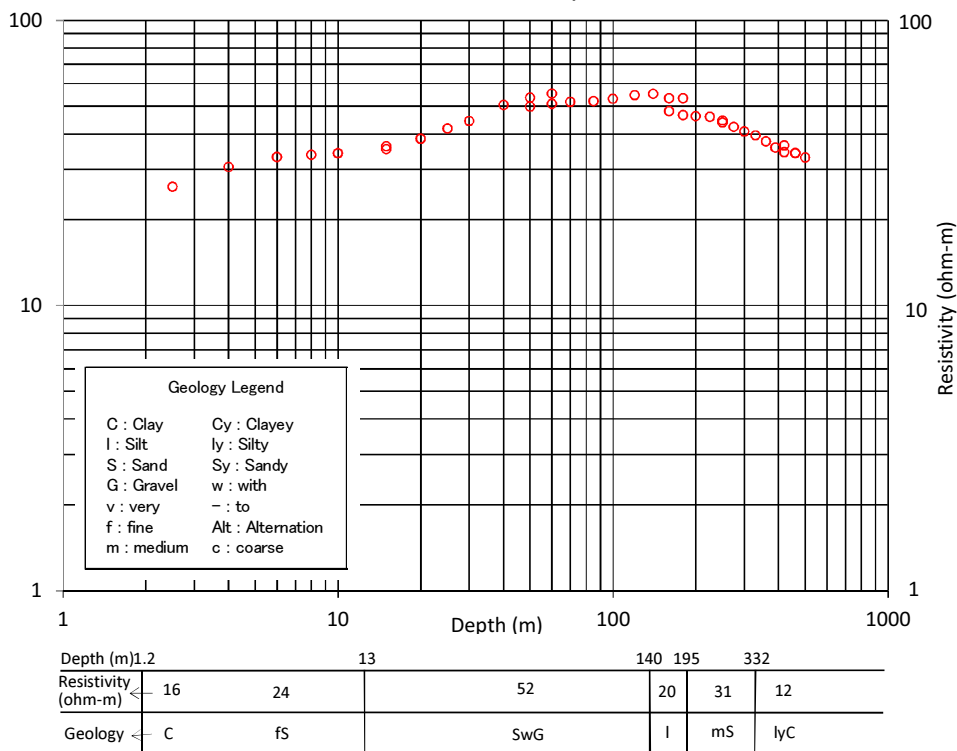
### 15-2 Achintanagar No.2



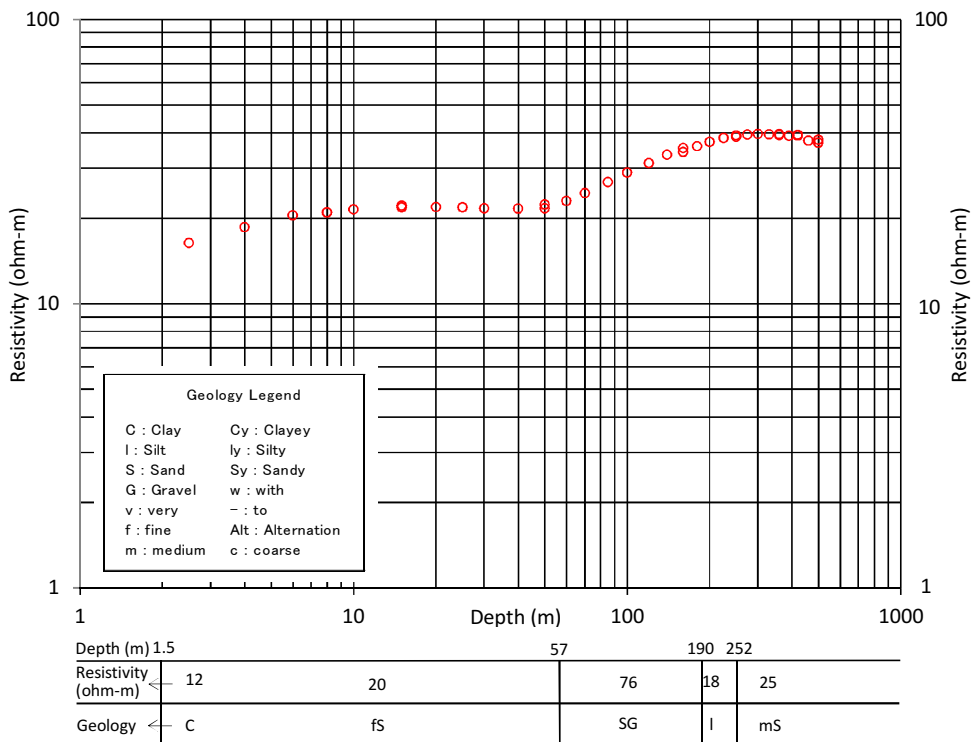
### 16-1 Krishna Chandrapur No.1



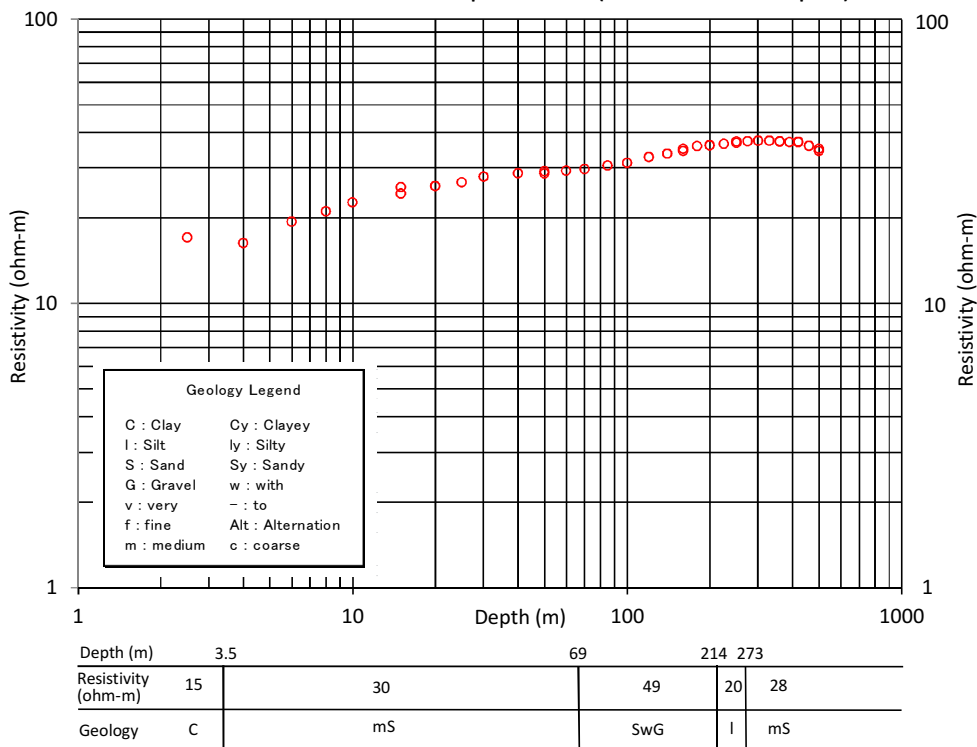
### 16-2 Krishna Chandrapur No.2



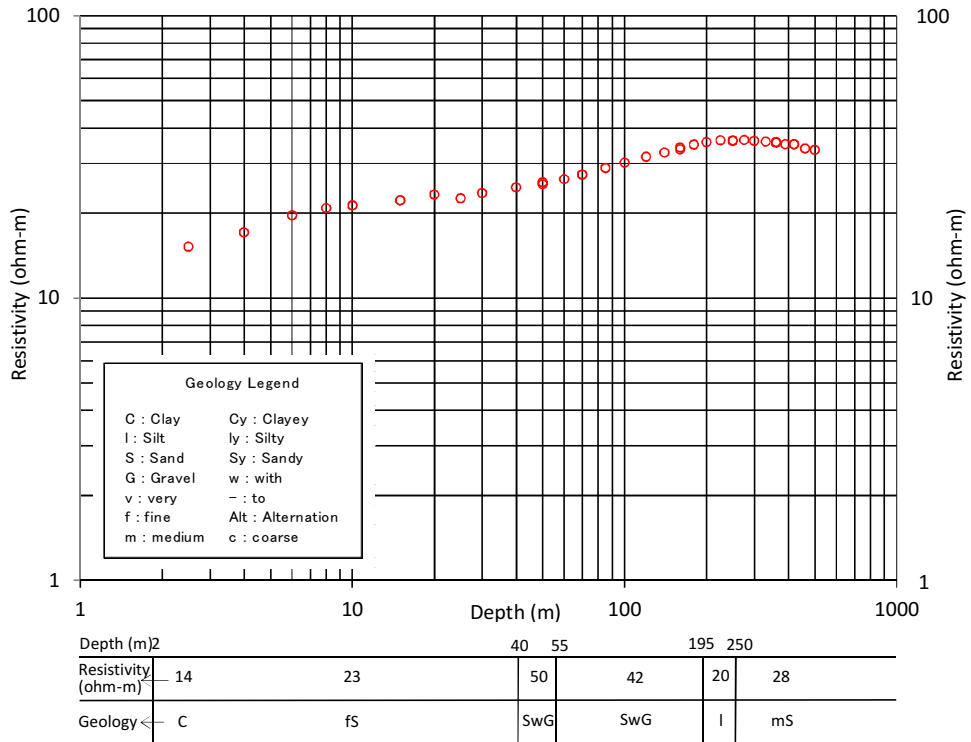
### 17-1 North Bhabanupur No.1



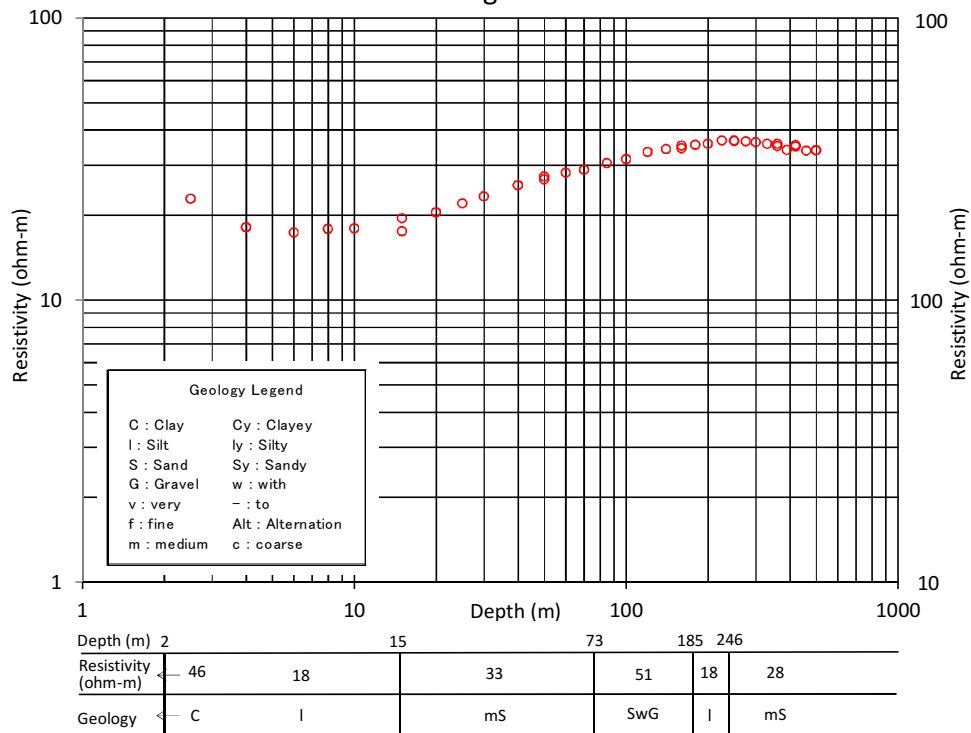
### 17-2 North Bhabanupur No.2 (South Bhabanupur)



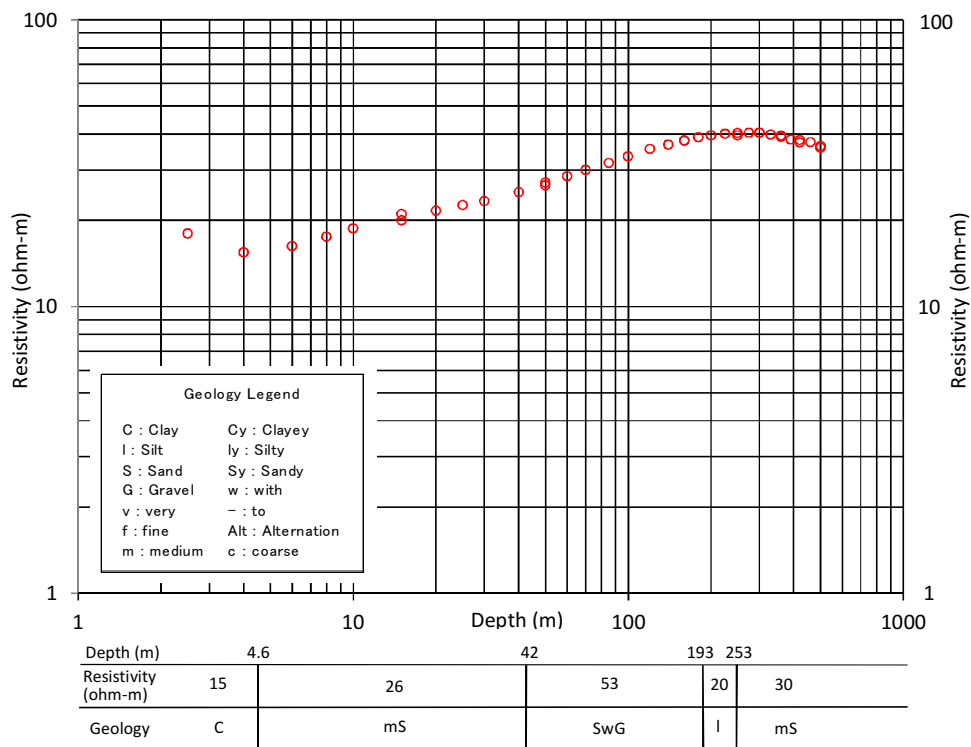
### 18-1 Jagshar No.1



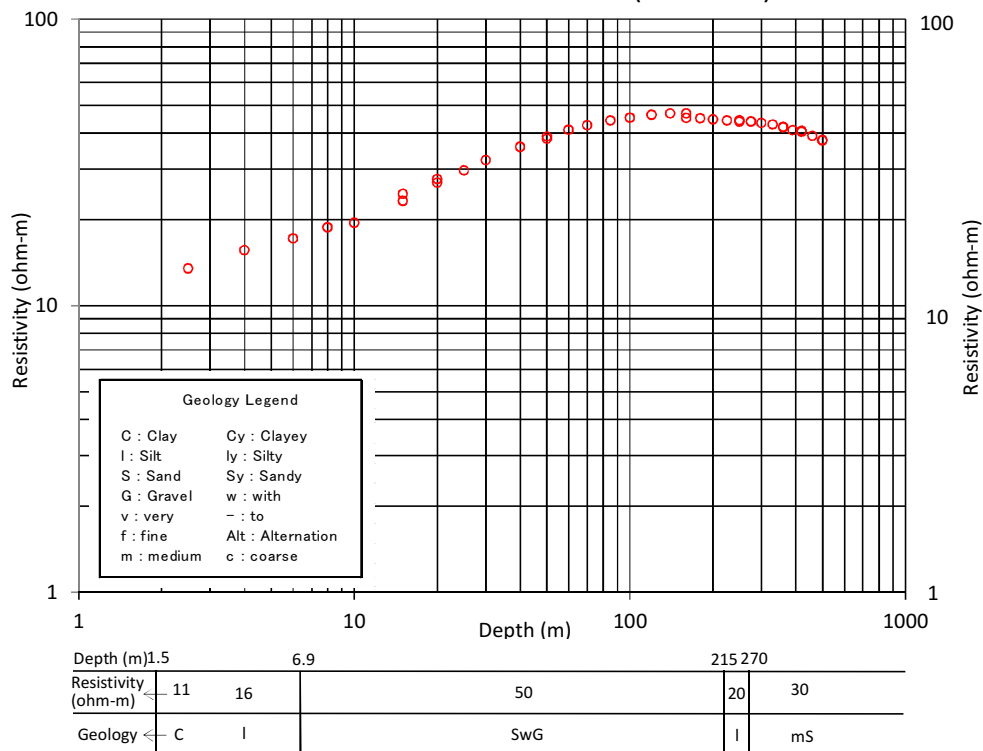
### 18-2 Jagshar No.2



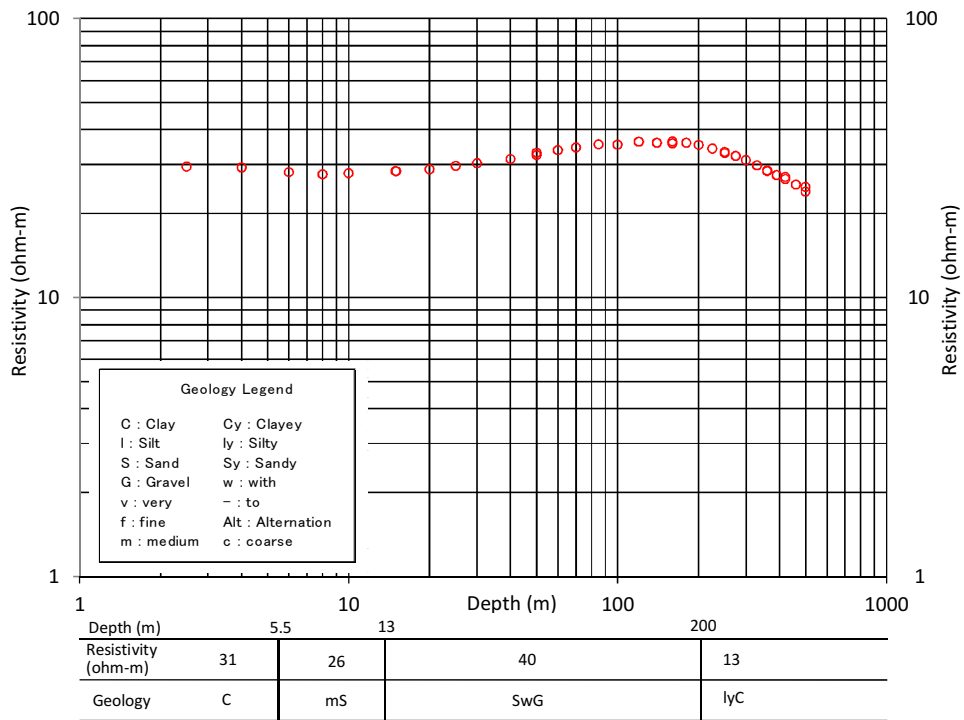
### 19-1 Nawda Khemediar



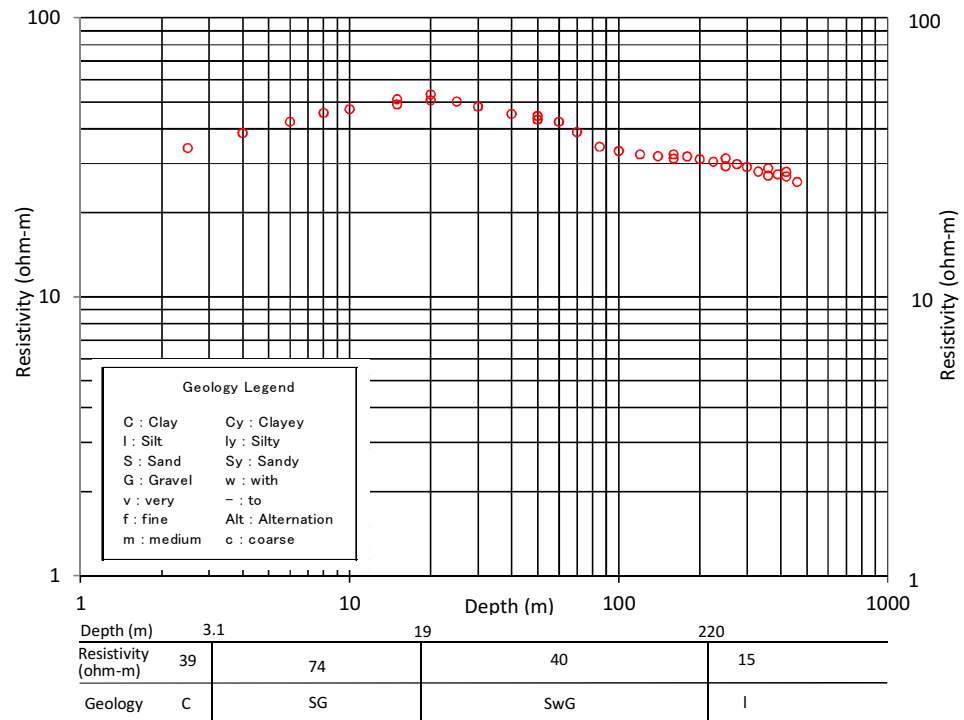
### 19-2 Nawda Khemediar No.2 (fakirabad)



### 20-1 Pakuria No.1

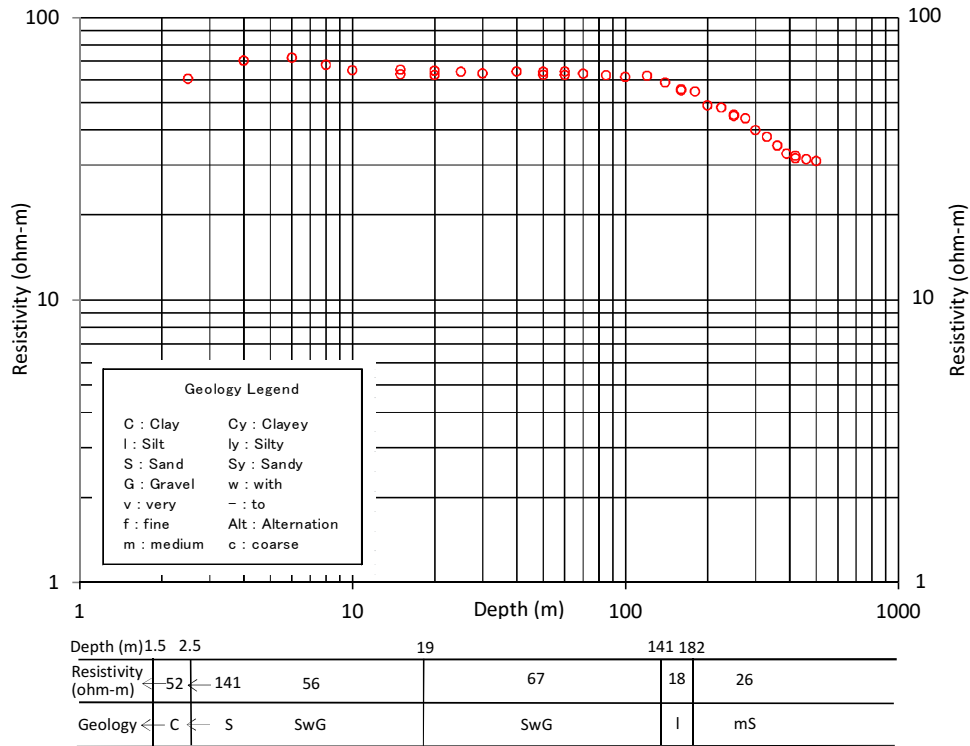


### 20-2 Pakuria No.2

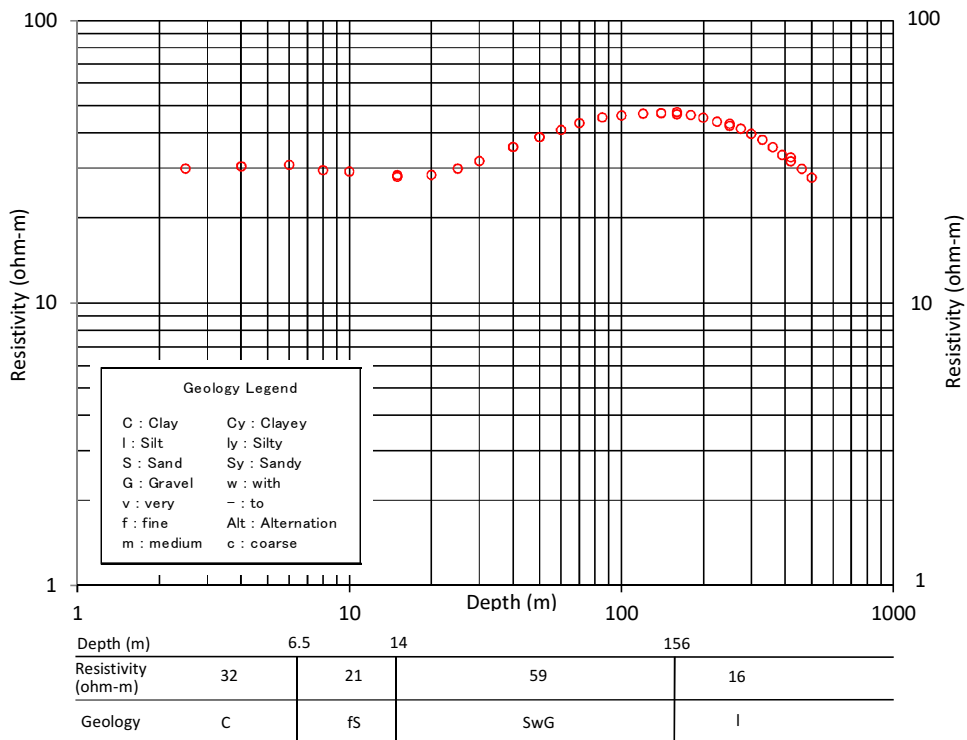




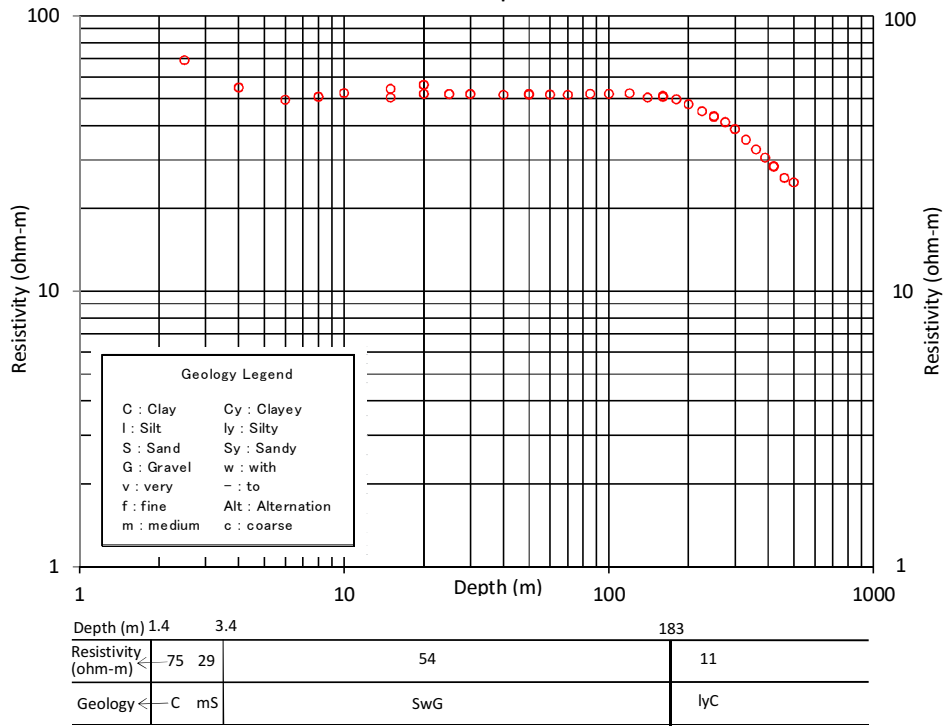
### 21-1 Alampur No.1



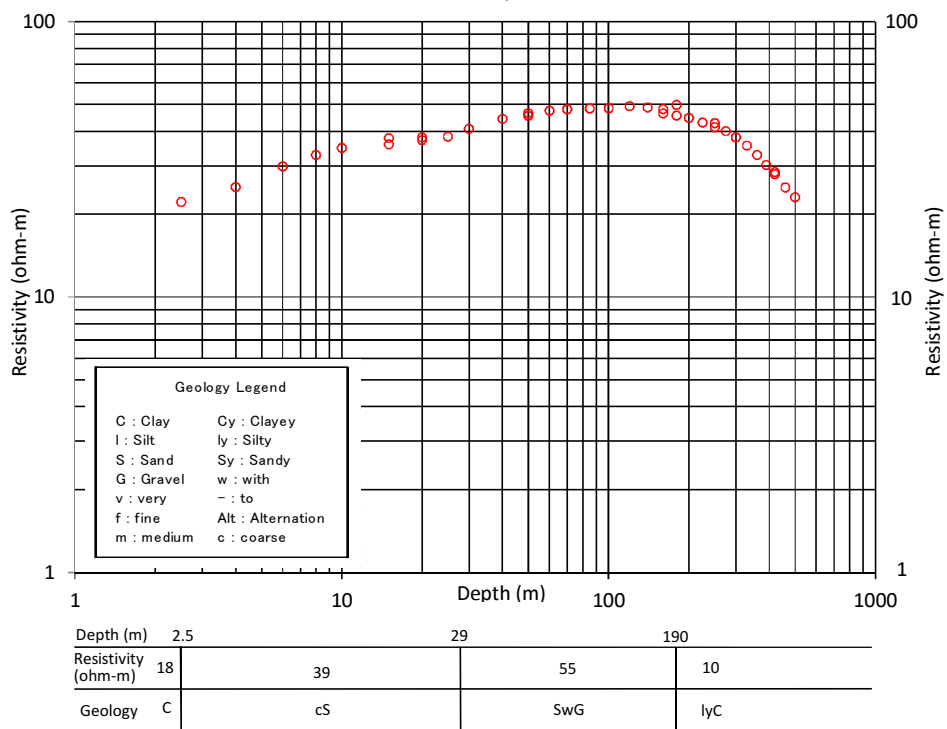
### 21-2 Alampur No.2



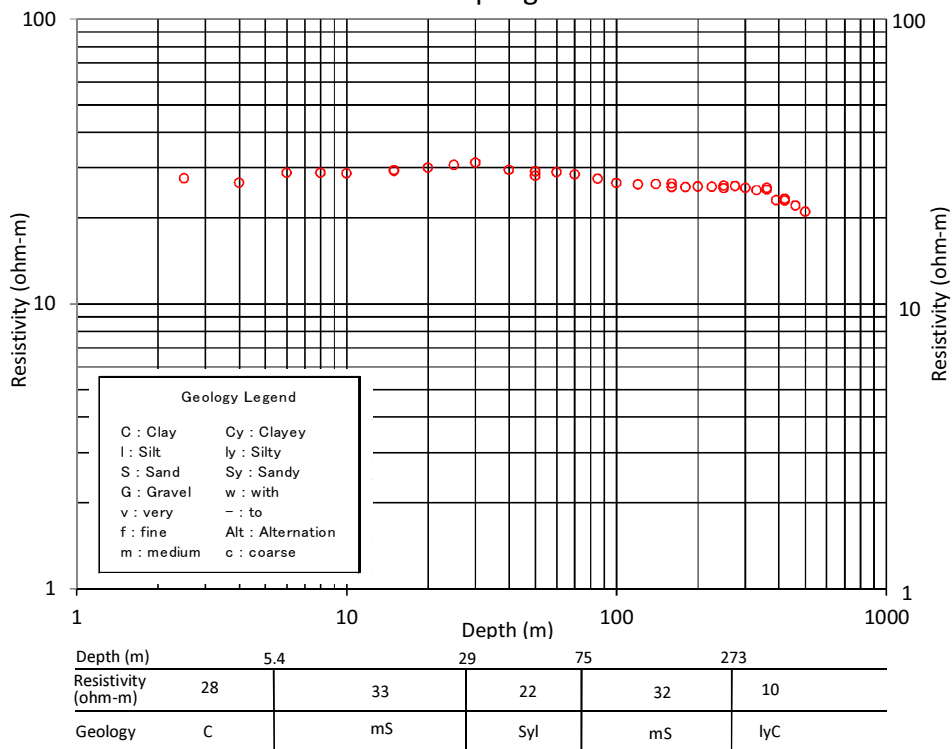
### 22-1 Subidpur No.1



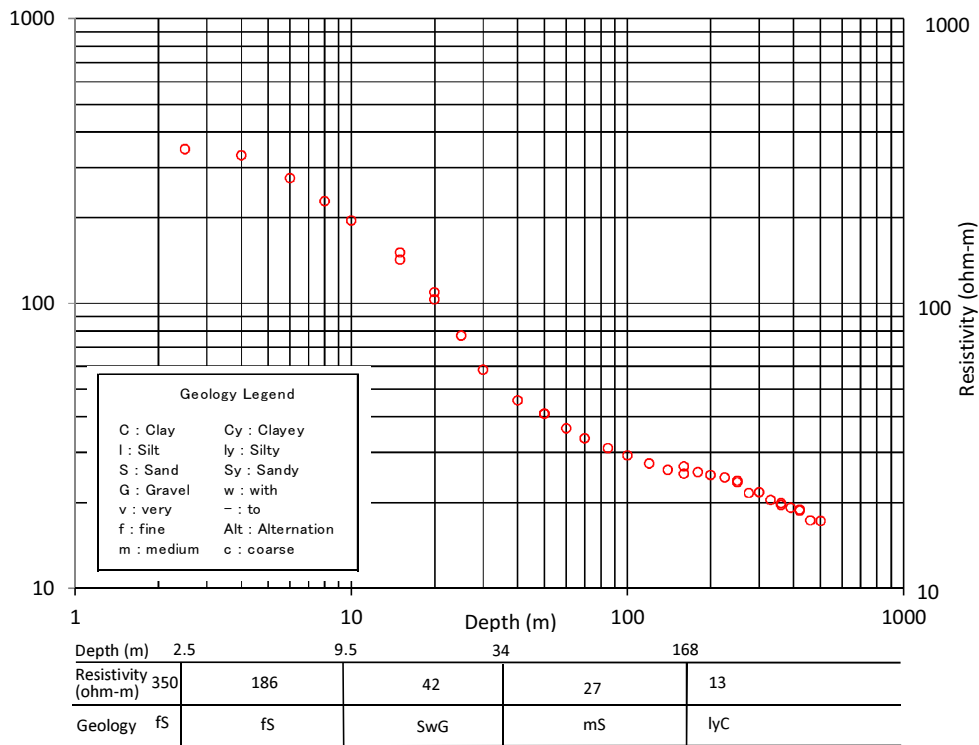
### 22-2 Subidpur No.2



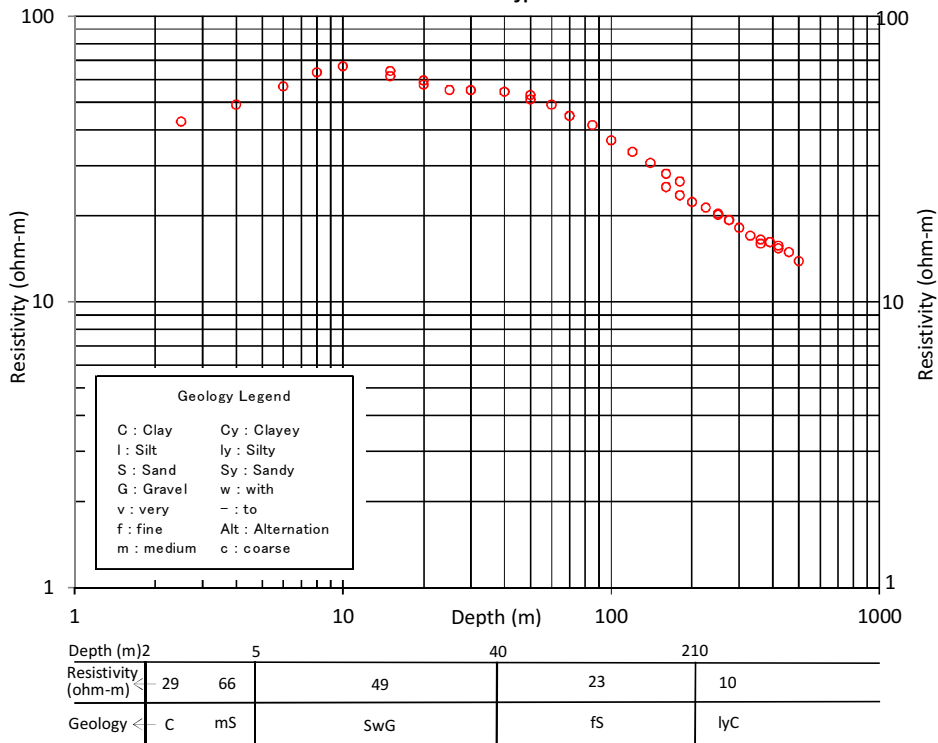
### 23-1 Anupnagar No.1



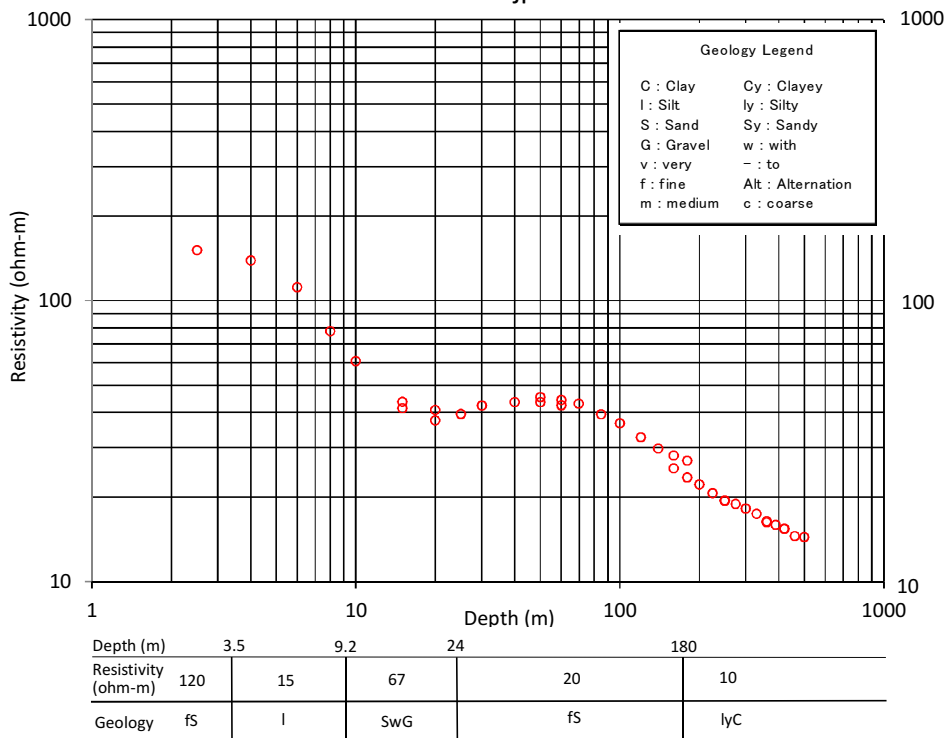
### 23-2 Anupnagar No.2



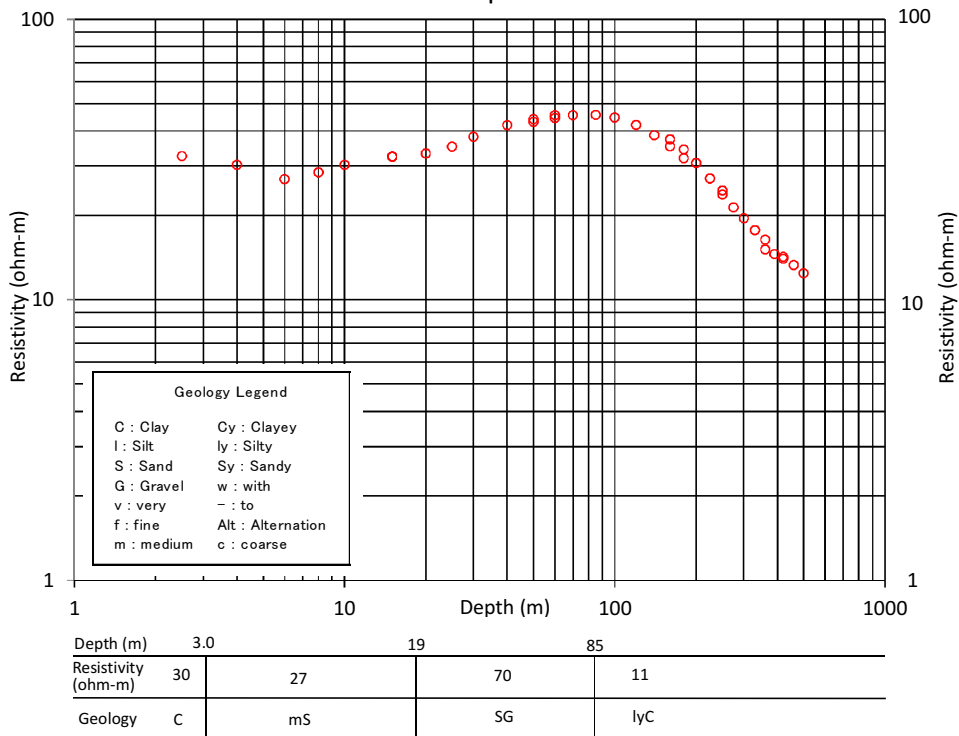
### 24-1 Moharajpur No.1



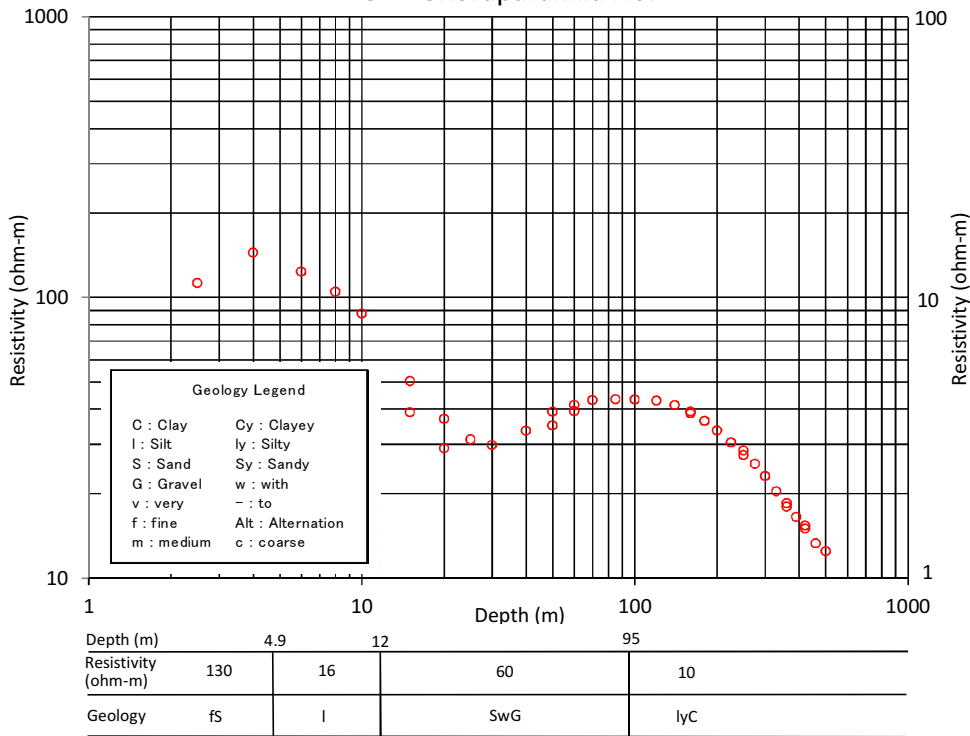
### 24-2 Moharajpur No.2



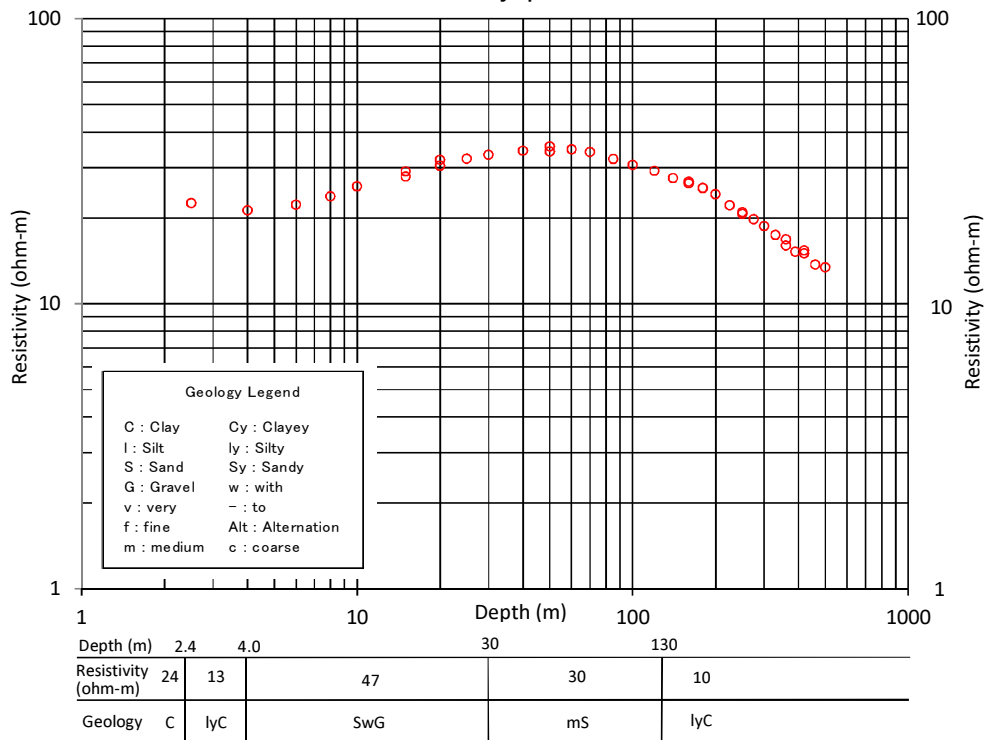
### 25-1 Ghoraparakhia No.1



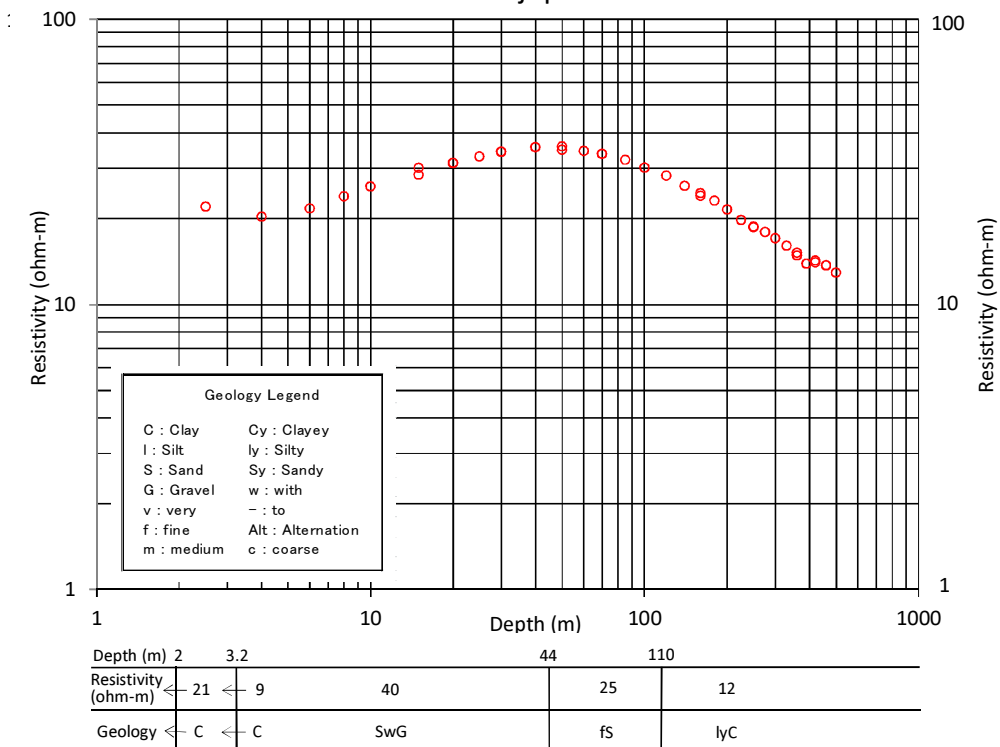
### 25-2 Ghoraparakhia No.2



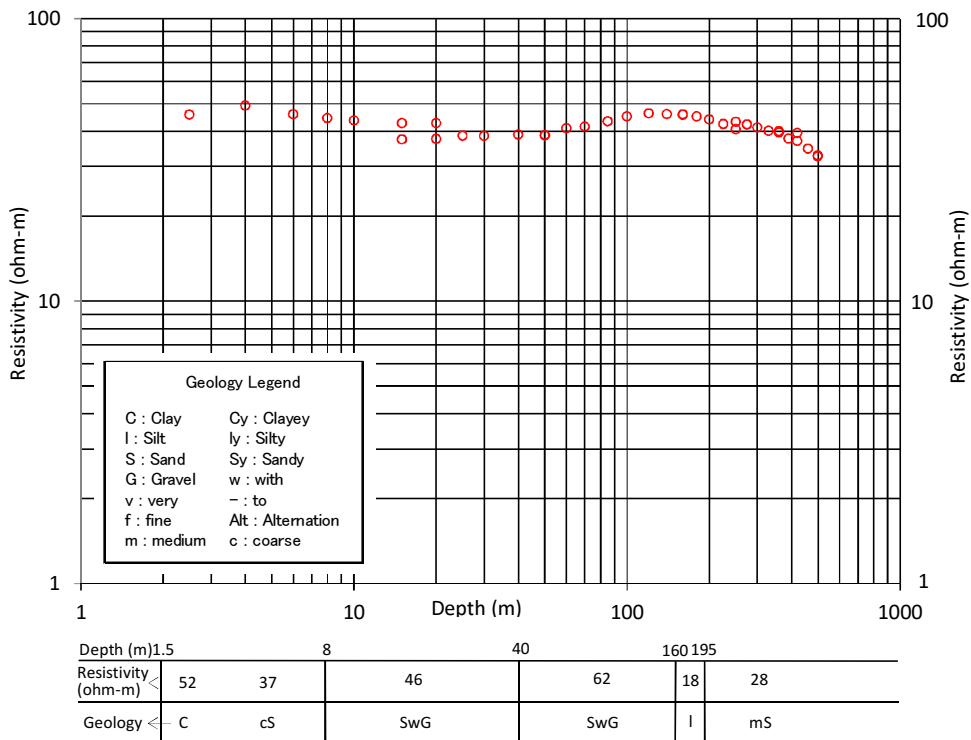
### 26-1 Satrajitpur No.1



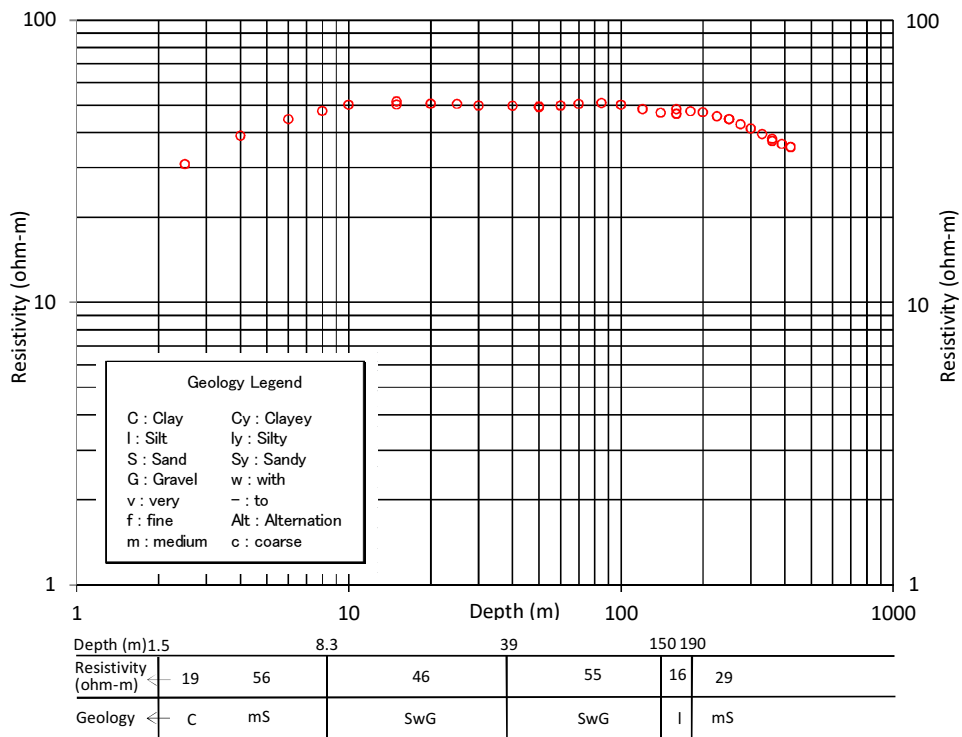
### 26-2 Satrajitpur No.2



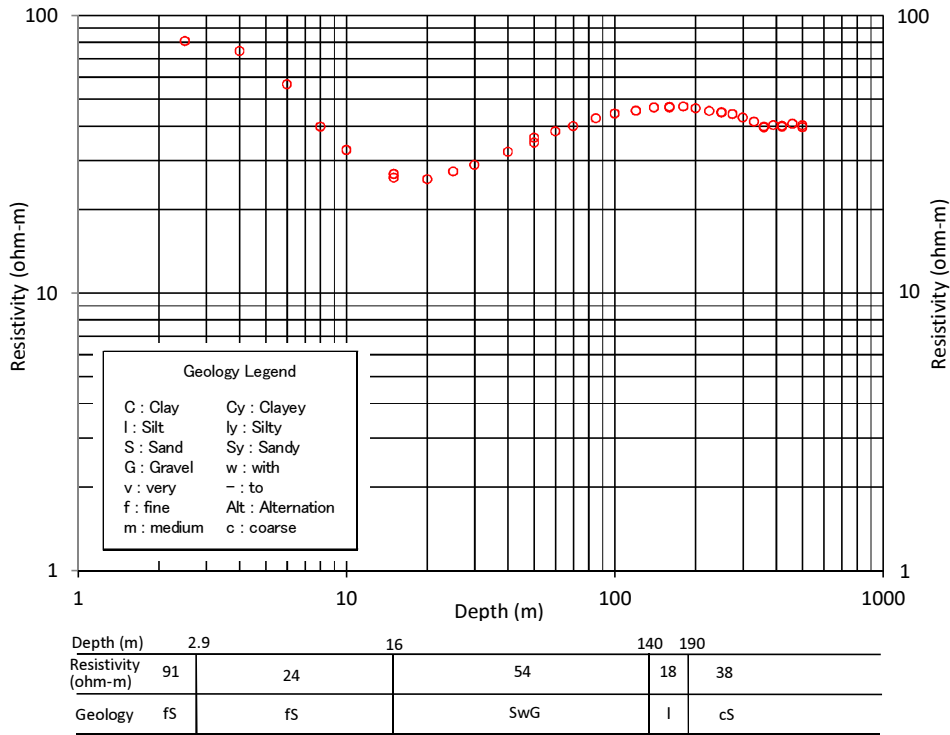
### 27-1 Khanae Bari No.1



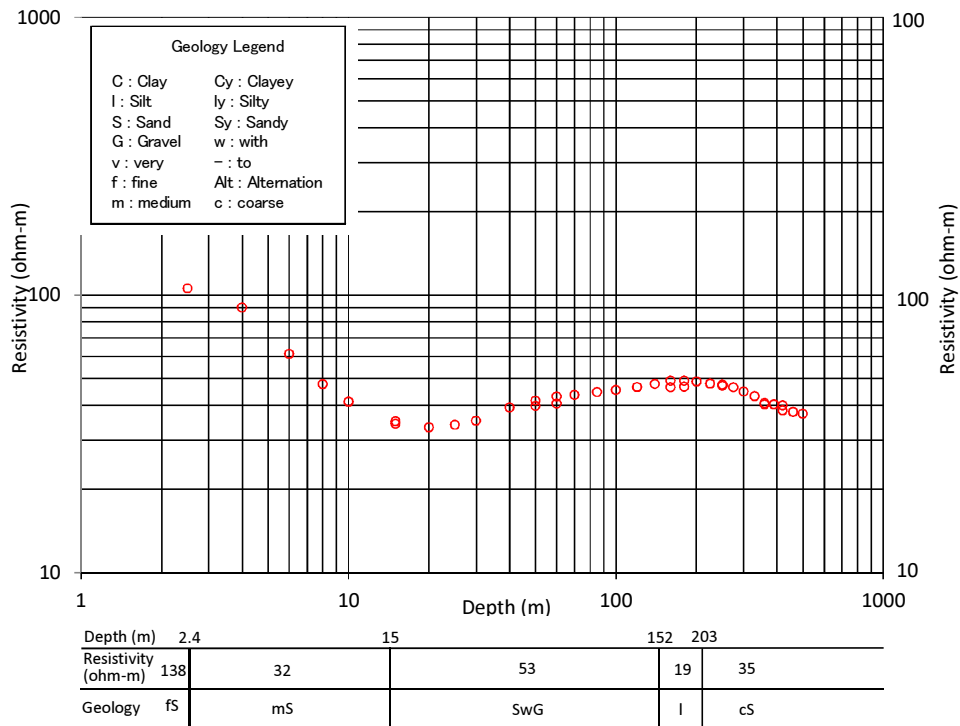
### 27-2 Khanae Bari No.2



### 28-1 Morichapara No.1

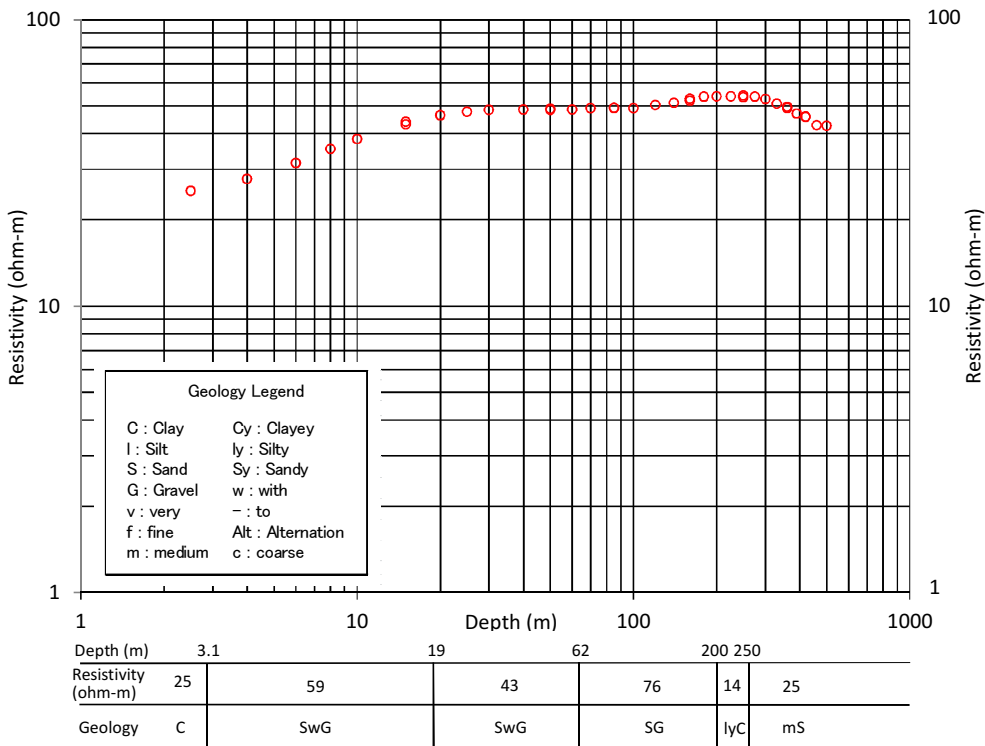


### 28-2 Morichapara No.2

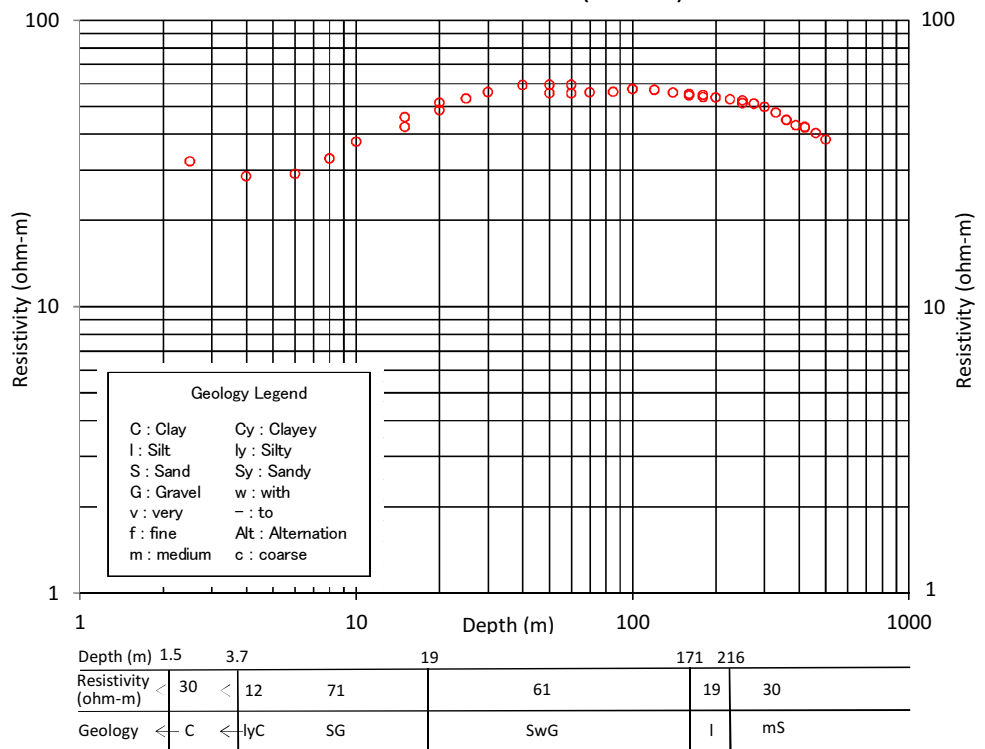




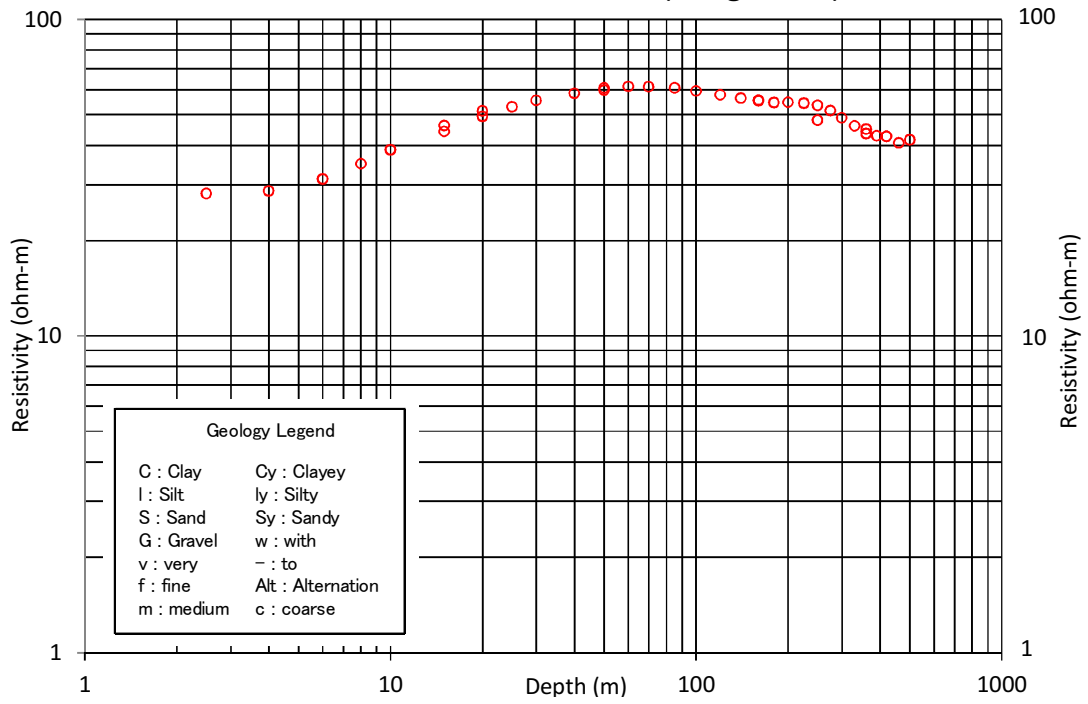
### 29-1 Shanila No.1



### 29-2 Shanila No.2 (Jordao)

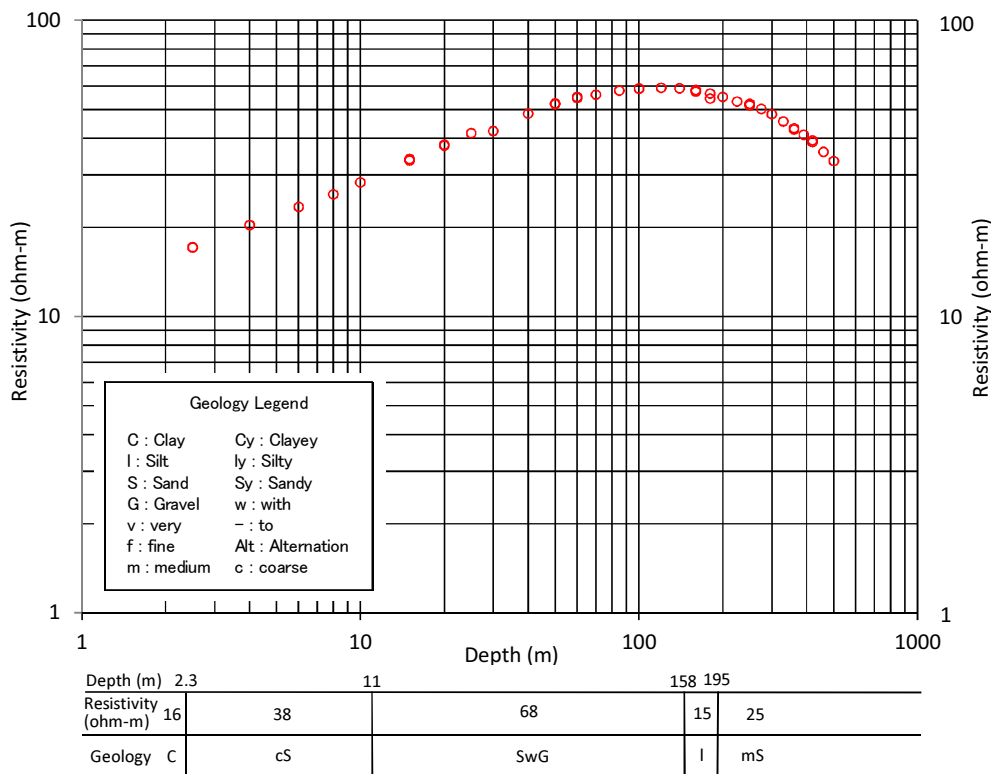


### 29-3 Shanila No.3 (Bangabaria)



Depth (m)	5	28	72	176	224	
Resistivity (ohm-m)	25	77	52	65	17	32
Geology	C	SG	SwG	SwG	l	mS

### 30-1 Boronagaon N0.1



### 30-2 Boronagaon No.2 (Chorpara)

