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AF 691069

GOVERNMENT OF HIMACHAL PRADESH
WATER AND SANITATION SUPPORT ORGANIZATION

MEMORANDUM OF UNDERSTANDING

Between: -Water and Sanitation Support Organization and M/S Eco Laboratories & Consultants Pvt. Ltd., E-207, Industrial Area, Phase-VIII B (Sector-74) Mohali, Punjab.

This Memorandum of Understanding (MoU) is entered on .20th day of July, 2019 between:

1. Water and Sanitation Support Organization (WSSO) through Director WSSO (hereinafter called the first Party) and
2. The M/s Eco Laboratories & Consultants Pvt. Ltd., E 207, Industrial Area, Phase-8B (Sector-74), Mohali, Punjab-160071 through Director (hereinafter called the second party).

1. Preamble

Himachal Pradesh State Water and Sanitation Mission is in the process of developing State specific information, Education & Communication strategy and its implementable for reform in initiatives in Water & Sanitation sector for the capacity development of functionaries at all levels. In order to strengthen the quality aspect of public drinking water supply in the State of Himachal Pradesh the concept of third party inspection by assigning roles and responsibility to above second party is envisaged through this MoU.

M/s Eco Laboratories & Consultants Private Limited is an ISO-14001:2004 and ISO 18001:2007 certified Organization working in the field of environment in North India since 1999. It is accredited by **National Accreditation Board for Testing and Calibration Laboratories (NABL)**, Department of Science & Technology, Government of India (Certificate No. TC-7477) in the field of air, noise, water and wastewater testing including microbiological testing; it is also approved by **Ministry of Environment and Forests (MoEF)**, Government of India, vide SO2609(E) dated 22.11.11 as **Environmental Laboratory** under the Environment (Protection) Act, 1986. 30.09.11. It is known for water quality monitoring and undertaking many water quality mapping and monitoring projects in the region including for IPH.



2. Objective

This MoU defines the roles and responsibilities of two parties to this MoU, so as to enable them to work together as partners.

3. Period of the MoU

One year reckoned from the date of signing of MoU which can be extended further on mutual consent of both parties.

4. Roles and Responsibilities of the First Party ; Water & Sanitation Support Organization (WSSO)

- i. To assign special task(s) to the Second Party to carry out the water sampling and tests particularly at the time of outbreak of water borne diseases in any area/town of the State or for random monitoring of the schemes.
- ii. To ensure timely payments are made as per terms & conditions of MoU to the Second Party.

5. Role and Responsibilities of Second Party ;

- i. To conduct field/lab tests in case of outbreak of Water borne disease in a particular Area/Town of the State after a written communication from Director (WSSO) or random tests of the samples from the schemes in the State including Water sampling and testing of samples or water samples as submitted by IPH field offices in the Lab at Mohali, Punjab.
- ii. To provide training and guidance on proper sampling protocol from water supply schemes/sources and Water Quality testing for all the parameter attached at annexure -A to the staff of WSSO/IPH Department, field staff at the premises of second party as well as at the premises of first party, as required .
- iii. To nominate a Project Coordinator and suggest his/her views/ recommendations for overall improvement of the system for better delivery of quality drinking water to the public in the State.

6. Terms and Conditions of Fund Release

- i. The concerned Executive Engineer from whose jurisdiction the water samples have been sent for testing will release the payment within 30 days to the second party for the amount due on raising of the bill and submission of test reports and other claim documents.
- ii. Testing charges for each parameter shall be as per annexure -A.
- iii. Charges for conducting capacity building programme / trainings on proper sampling protocol and water analysis (parameter mentioned in annexure -A) to the staff of WSSO/IPH Department, field staff at the premises of second party shall be Rs. 7000 /-person/ day including boarding and lodging of participants/ trainees and Rs. 10000/- at the premises of first party.
- iv. Sampling charges shall be at the rate of Rs. 15 /-km to and fro from office of second party in industrial area, Phase -VIII B (sector-74), Mohali through the shortest road route in addition Rs.850 /-day/person (including travel days) shall be charged as dine for the sampling team of two/three people (or more depending upon volume of work). For far flung distances in the state where sampling may require more than one day arrangements for the stay of the team shall be made at the nearest state guest house or team shall be paid on actual (maximum Rs. 1700/-night) for the purpose.
- v. All kind of taxes and parking charges etc. will be borne by Second Party.

7. Other Conditions

- i. That sampling and testing will be undertaken on dates of mutual convenience and first party has to provide at least 72 hours prior intimation for the second party to make appropriate arrangements for the purpose.
- ii. That all correspondence made on the contact details provided in the MoU including emails shall be considered as delivered.
- iii. That the language of communication and reporting shall be English.
- iv. That any reports shall be provided in duplicate including a soft copy on CD.
- v. That laboratory shall maintain its accreditation and renew them as required from time to time. In case laboratory cannot undertake any tests at any time due to any breakdown in its equipments or otherwise, it shall get the same tested from a NABL accredited laboratory only and shall maintain proper records of the same as per ISO-17025:2005.
- vi. That for far flung areas if approach is not possible, the two parties shall undertake work in mutual discussion.

8. Termination of the MoU

The MoU can be terminated by both parties by giving a month's notice without assigning any reason thereto.

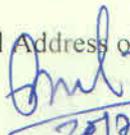
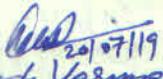
9. Disputes

Any disputes between the parties arising out of this MoU shall be settled, in the first instance, through mutual and amicable consultation. If the dispute is not settled through such consultations, the matter shall be referred for arbitration to the Principal Secretary/ACS, Irrigation & Public Health Department Himachal Pradesh.

IN WITNESS THE FIRST AND SECOND PARTY have herein to set their hands, the day, month and year first, above written.

SIGNED BY THE FIRST PARTY IN THE PRESENCE OF:-

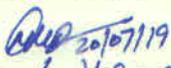
Name and full Address of the witness:-

1. 
20/7/19 EE (WSSO)
2. 
Nehchand Verma, Sr Asstt. (WSSO)


(Signature of FIRST PARTY)

SIGNED BY SECOND PARTY IN THE PRESENCE OF

Name and full Address of the Witness:-

1. 
20/7/19 (EE WSSO)
2. 
Nehchand Verma, Sr Asstt. (WSSO)



List of Parameters			Annexure-A
Sr. No.	Name of Parameter		Rates (in Rs.)
1	Temperature		70
2	Colour		70
3	Odour		70
4	Taste		70
5	Turbidity		70
6	pH		80
7	TDS/Elect. Conductivity		110/70
8	Total Alkalinity		240
9	Chloride		240
10	Fluoride		240
11	Ammonia		240
12	Nitrate		240
13	Nitrite		240
14	Sulphate		280
15	Silica		240
16	Sodium		240
17	Potassium		330
18	Boron		330
19	Calcium		240
20	Magnesium		240
21	Total Hardness		240
22	Sulphide		240
23	Chloramines		330
24	Iron		330
25	Manganese		400
26	Copper		400
27	Total Chromium		400
28	Cadmium		400
29	Lead		400
30	Nickel		400
31	Total Arsenic		400
32	Mercury		900
33	Barium		400
34	Zinc		400
35	Aluminium		400
36	Antimony		400
37	Selenium		400
38	Silver		400
39	Molybdenum		400
40	Total Coliform		410
41	E.coli/Thermotolerant Coliform		410
42	V.cholera		340
43	S.typhi		410
44	S.dysenteriae		410
45	Staphylococcus		330
46	F.streptococci		330
47	G.iamblia		410
48	Cyanide		400
49	Poly Aromatic Hydrocarbons		4800
50	Free Residual Chlorine		115
51	Polychlorinated Biphenyls		4800
52	NDMA		-
53	Anionic Detergents (as MBAS)		450
54	Oil & Grease		240
55	Mineral oil		450
56	Dissolved Oxygen		115
57	Biological Oxygen Demand (BOD)		700
58	Chemical Oxygen Demand (COD)		400
59	Phenolic Compound		450
60	Trihalomethanes a Bromoform b Dibromomethane		5600
61	Alachlor		560
62	Atrazine		560
63	Aldrin/Deildrin		560
64	Alpha HCH		560
65	Beta HCH		560
66	Butachlor		560
67	Chloropyrifos		560
68	Delta HCH		560
69	2,4-Dichlorophenoxyacetic acid		560
70	DDT		560
71	Endosulfan		560
72	Ethion		560
73	Gamma-HCH (Lindane)		560
74	Isoproturon		560
75	Malathion		560
76	Methyl parathion		560
77	Monocrotophos		560
78	Phorate		560

* GST shall be paid extra on above rate charges, as applicable

