

Annexure – 1

The items written below are required for fabrication of harvested ground water treatment plant at Arunachal Pradesh.

SI No	Description of item	Specification	Unit
1	Rota Meter	Aster Make or Better side of 1200 L capacity	2 nos
2	High Pressure Pump	2.2Kw(CRI pump or better side)	1 no
3	Dossing Pump	Edose, NeoCapacity 6 LPH	3 nos
4	Ozonator	~ 4g/hour	1 no
5	Pressure Gauge	Aster Make or Better side, 7Kg & 20 kg	1 no each
6	SS tank	Capacity 2000L	1 no
7	Feed Pump	0.5 HP of any standard company make	3 nos
8	Membrane Panel (Fibre)	Astro Make	1 no
9	Alfa Making online UV	35 watt	3 nos
10	Micron Filter with its Housing	SS 316 make (2.5" / 20" with 5 Micron Filter)	3 nos
11	Hydranautics CPA membranes	CPA-8040	1 no
12	Membrane Housing for CPA membrane	FRP Make (8 inch diameter, 3.5 feet length)	1 no
13	SS membrane structure	SS-304 Make	1 no
14	Sand Filter with multiport valves	i) FRP Make vessel of 14 inch diameter and 65 inch height ii) Sand (~ 4-8 mm diameter) – 150 kg iii) Gravels- a) Gravels of ~1/2 inch diameter- 35 kg b) Gravels of ~1/4 inch diameter- 35 kg iv) 1 inch top mounted multi-port valve (filter)	1 no
15	Activated Carbon filter with multiport valves	i) FRP Make vessel of 14 inch diameter and 65 inch height ii) Coconut shell charcoal – 50	1 no

		kg iii) Gravels- a) Gravels of ~1/2 inch diameter- 25 kg b) Gravels of ~1/4 inch diameter- 25 kg iv) 1 inch top mounted multi- port valve (filter)	
16	Softener filter with multiport valves	i) FRP Make vessel of 14 inch diameter and 65 inch height ii) Cation exchange resin (92 Na) – 50 Litres iii) Gravels- a) Gravels of ~1/2 inch diameter- 25 kg b) Gravels of ~1/4 inch diameter- 25 kg iv) 1 inch top mounted multi- port valve (softner)	1 no
17	Online Data Logar with flow meter	10 Nos of output (any standard company make)	1 no
18	Online PH Meter	2000 LPH of any standard company make	1 no
19	Online conductivity meter	2000 LPH of any standard company make	1 no
20	Online ORP meter	Astro Make 2000 LPH	1 no