

**Specification of Water Treatment Plant(Minimum 1500 Lph, Storage Minimum
2,000 Ltrs)**

S.No.	Technical Specifications	Remarks
	Water treatment Plant for Hemodialysis	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	Raw water tank , 1 pc	
1.1	Capacity of 10,000 L	
2	Raw water pump, 2 pc	
2.1	SS 316 Grade	
2.2	1.5 HP capacity to handle flow for 1500 LPH RO	
3	Pre filter	
3.1	Iron filter with 16x65 FRP vessel with MNO2 media	
3.2	Sand filter with 16x65 FRP vessel with Anthracite, Manganese Green sand etc	
3.3	Carbon filter with 16X 65 FRP vessel with activated carbon with 1000 iodine value coconut base	
3.4	pH dosing with seko dosing pump or equivalent and chemical for 2 years	
3.5	Softner filter with 16x65 inch FRP vessel with INDION resin 225 NA and common salt for 2 year	
3.6	UPVC interconnecting pipes	
4	Reverse osmosis plant set	
4.1	4040 RO membrane 12 pcs with permeate of 2125 GPD or more	
4.2	SS membrane housing for 6 membrane	
4.3	Micron filter 20" slim along with housing for RO, 30pcs	
4.4	Panel board and skid with necessary pressure guaze, conductivity meter, pH meter, totalizer showing water consumption and flow rate, flow meter	
4.5	Interconnecting pipes, UPVC	
4.6	Antiscalant dosing system, with antiscalant food grade dosing chemical for 2 year	
4.7	High pressure pump 3KW, 3 phase, 2 pcs	
5	Water collection tank, 2 pcs	
5.1	SS water collection tank 1000 liter capacity per piece with SS stand	
6	Ultra violet treatment complete set	
6.1	UV system with 5000 LPH along with hour & Intensity meter	
7	Warranty, maintenance and training	
7.1	Two year warranty and five years AMC totaling seven years	
7.2	Spare parts price also must be quoted and pricing of spares will also be considered during price bidding	
7.3	Service & Technical manual along with staffs training	
7.4	Proper installation must be done by supplier and service center must be located in Kathmandu	
7.5	Water testing must be done according to AAMI standard per 6 month for 2 years.	