

# ALL INDIA INSTITUTE OF MEDICAL SCIENCE RISHIKESH

## Corrigendum

Date:-23.08.17

Subject: - Water softening plant Tender No: 01/SE/AC&R/WATER SOFTENING PLANT  
/AIIMS/RISHIKESH /2017-18

In the reference regarding the tender of Water Softening Plant. We have published on newspaper on dated 07.08.17 and also on Institute website. In pre bid meeting after technical discussion with Agencies Committee members decided one filter need to added in tender for better performance of Water softening plant and Change the size & Quantity of resin and additional make should added.



23/08/17

Er. NP Singh  
Executive Engineer  
AIIMS, Rishikesh

1. Shri NP Singh, Executive Engineer
2. Shri Nishu Nishu, AE (Electrical)
3. Shri Shashi Kant, AE (Civil)
4. Shri Chandan, JE (AC&R)
5. Shri Rajat Chaudhary, JE (AC&R)
6. Shri SB Gupta (Principal Technologist, AC&R)
7. Shri P. S. Jha (Secretary)

## 6.0 TECHNICAL SPECIFICATION

Sl. No.	Description
<b>6.1</b>	<b>Raw Water Storage Tank (By Client)</b> considered Above ground.
<b>6.2</b>	<b>Soft water Feed Pump</b>
Quantity	2 Nos.(1W+1S)
Capacity	450 LPM
MOC	CI
Type	Monoblock
Make	Kirloskar,KSB,Grundfos
Head	35 M
Power	5 HP or as required
Motor	3 PH, 50 Hz ,400/440 Volt
RPM	1500
Protection	IP55
Impeller & Shaft	Stainless Steel
<b>6.3</b>	<b>Multi Grade Sand Filter</b>
Quantity	1 Nos. ( or as required)
Design Pressure	3.5 Kg/cm <sup>2</sup>
Size	1200mm Dia. x 2500 mm HOS (or as required)
<b>6.3</b>	<b>Water Softener</b>
Quantity	2 Nos.
Capacity	450 LPM @35 mwc
MOC of Vessel	MSEP
Size	Dia. 1400 mm X 2500 mm HOS (or as Required)
Operating pressure	3.0 kg/cm <sup>2</sup>
Testing Pressure	5.50 kg/cm <sup>2</sup>
Media	Na+ based Resin
Resin Qty	1700 lits ( Each)
Type of valve	Individual Butterfly
Salt per charge in Kgs as 100 %	250 Kgs
<b>6.4</b>	<b>Brine solution tank with Agitator</b>
Quantity	1 No. ( Common for two vessels)
Capacity	2500 Lit (Or as Required)

<b>6.5</b>	<b>pH Correction system</b>
pH Dosing tank	100 Lit. HDPE
Qty.	1 no.
pH Dosing pump	5 LPH –PP
Qty	1W+1S
<b>6.6</b>	<b>Instruments</b>
Rotameter	2 Nos
Level switch	2 nos
Pressure Gauges	10 Nos
<b>6.7</b>	<b>Electrical Panel (Non –Compartmentalized)</b>
Quantity	1 No Below 7.5 HP DOL and Above 5 HP Start Delta Starter to be Used
Cabling (3 Core x 1.5 mm <sup>2</sup> )	25 meters (As per requirement)XLPE Armoured
Cabling (3 Core x 2.5 mm <sup>2</sup> )	50 meters (As per requirement) XLPE Armoured
Cable Tray (150mm Width)	45 meters
Note	All panels be door type
<b>6.8</b>	<b>Laying of 40 mm GI Piping with fittings</b>
	15 m
<b>6.9</b>	<b>Laying of 65 mm GI Piping with fittings</b>
	1080 m
<b>6.10</b>	<b>Laying of 80 mm GI Piping with fittings</b>
	250 m

NOTE:- The equipment's/items list given is tentatively however as per the design criteria the actual requirements be given to be needed for the smooth functioning of the WSP. All the equipment's/Items be of high quality, and of suitable make. All the Technical parameters of the equipment's be given in a tabular form under the Heading "Technical Specifications."

## FINANCIAL BID

For Water softening plant Works at AIIMS Rishikesh. The price Bid should be kept in separate sealed envelope superscripting "Financial Bid for the 01/SE/AC&R/ Water Softening Plant /AIIMS Rishikesh /2017-18/for Water softening plant at AIIMS Rishikesh dated 05/08/2017. AIIMS RISHIKESH Authorities reserve the full rights to increase or decrease the quantities of items at the time of award of tender as per its actual requirement.

Signature of Bidder

<b>FINANCIAL BID</b>				
<b>FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING</b>				
SR.NO	DESCRIPTION	QTY (No.)	RATE(Rs.) Unit Prices	AMOUNT
1	<b>SOFTNER</b> (Make:Water Wings,Radiant,Eureka,Thermax forbes,Ion Exchange, Unnati or Equivalent)	2		
	Capacity 450 LPM			
	Agitator (1300 litre)	1		
2	<b>FILTER</b> :- Providing & Fixing of Multi Grade Sand Filter ( Make : Ion Exchange ,Thermax, Rochem or Equivalent)	1		
2	<b>SOFT WATER FEEDPUMP</b> :- Providing and Fixing horizontal /vertical on line Single /Multi Stage Raw Water Filter Feed Pumps mounting on a foundation (Necessary RCC Foundations as per requirement and as per instructions shall be provided by the agency).(Make: Kirloskar,KSB,Grundfos)			
	Capacity -450 LPM	2		
3	Providing and Fixing of ELECTRICALPanel As per Soft water Plant Requirment, Below 7.5 HP DOL and Above 7.5 HP Start Delta Starter to be Used(Make:Advance,Adlec , Tricolite)	1 No		

4	Providing and Fixing of C.I "Y" Type Suction Stainer with Stainless Steel Perforated Sheet screen , Flanged ends inner Installed Outside Water Tanks.(Leader/Zoloto/Castle)			
	65mm Dia or Required Size and Number.	4 Nos.		
	80mm Dia or Required Size and Number.	4 Nos.		
5	Providing and Fixing of 40 mm NB(Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax )	3 Nos.		
6	Providing and Fixing of 65 mm NB(Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax )	8 Nos.		
7	Providing and Fixing of 80 mm NB (Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax)	8 Nos.		
8	Providing and Fixing of 65 mm Non Return Valve (Leader , Zoloto , Castle ,Sant, Normax)	4 No.		
9	Providing and Fixing of 80 mm Non Return Valve (Leader , Zoloto , Castle ,Sant, Normax )	4 No.		
10	Providing and Fixing of 65 mm Balancing Valve (Leader , Zoloto , Castle ,Sant, Normax )	4 No.		
11	Providing and Fixing of 80 mm Balancing Valve (Leader , Zoloto , Castle ,Sant, Normax )	4 No.		
10	Providing & Fixing Cable Tray (Make:Gloster,Kei,Polycab )	30 metre		
	Size - 150mm width			
11	Providing and Fixing of Cable (Make:Gloster,Kei,Polycab )	25 meter		
	Size - 3 Core 1.5 mm <sup>2</sup>			

12	Providing and Fixing of Cable (Make:Gloster,Kei,Polycab )			
	Size - 3 Core 2.5 mm2	50 meter		
13	Providing and Fixing of Pressure gauges 100mm Dia Bourdon Type (Make:H guru, Wika )			
	Range - (0-14 Kg/Cm2)	8 Nos		
14	Providing and Fixing of Rotameter (Make:H guru, Wika )	2 Nos		
15	Providing and Fixing of Level Switch ((Make:H guru, Wika )	2 Nos		
16	Providing & Fixing of ( Heavy Class) 40 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No. 18.12.5 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	15 Mtr.		
16	Providing & Fixing of ( Heavy Class) 65 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No. 18.12.7 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	1080 mtr.		
17	Providing & Fixing of ( Heavy Class) 80 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No.18.12.8 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	250 mtr.		
	<b>Total Amount In Rs.</b>	A		
	Installation and Commissioning (Excavation, Foundation/Supporting Structure/ fastening of supporting structure/Placing equipments) including GST	F		
	<b>Total Amount of Erection &amp; Commissioning In Rs.</b>			