



## महाराष्ट्र जीवन प्राधिकरण

मुख्य अभियंता, पुणे प्रादेशिक विभाग पुणे,

नवीन प्रशासकीय इमारत, पुणे लष्कर पा.पु. केंद्र आवार,

४६३ स्टेव्हली रोड, सेंट मेरी चर्च शेजारी, कॅंप, पुणे-४११००१

दूरध्वनी : कार्यालयीन २६३५००६२ / २९७०६०६४

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जा.क्र. :- मु.अ(पुणे)/चिशा/दरसूची /आधुनिक तंत्रज्ञान/प्रेशर फिल्टर/२०२५

दि ०३ जुलै २०२५

शुद्धीपत्रक क्र ६

विषय :- मजीप्राच्या सन २०२३-२४ च्या दरसूचीमध्ये प्रेशर फिल्टर चा समावेश करणेबाबत

संदर्भ :- १) अ.अ.(मु) यांचे पत्र जा.क्र. : मजीप्रा/सस/तांशा -३/६०९/२०२४ दि २/७/२०२४

२) या कार्यालयाचे पत्र जा.क्र १५२७ दि १५ जुलै २०२४

३) या कार्यालयाचा डॉकेट स्वरूपातील प्रस्ताव जा.क्र १११८ दि ०६ मे २०२५

४) म.जी.प्रा मुख्यालय (मुंबई) मा. सदस्य सचिव यांची मान्यता दि १९/०६/२०२५

विषयांकीत आधुनिक तंत्रज्ञानाचा म.जी.प्रा दरसूचीमध्ये समावेश करण्याबाबतचा प्रस्ताव उपरोक्त संदर्भ क्र ३ अन्वये डॉकेट स्वरूपात म.जी.प्रा मुख्यालयास सादर करण्यात आला होता. त्यास संदर्भ क्र ४ अन्वये मान्यता प्रदान करण्यात आली असून शुद्धीपत्रक निर्गमित करणेबाबत निर्देशित करण्यात आले आहे.

या अनुषंगाने आता दरसूची मध्ये शुद्धीपत्रक क्र ६ व्दारे विषयांकीत बाबीचा समावेश खालील प्रमाणे करण्यात येत आहे.

S N	Description	Unit	Qty	Rate (Excluding G.S.T)	
1	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of ..... with 20 hour pumping	1 unit	1 package		
	<b>FILTRATION</b> Providing of Hydro cyclone Centrifugal Pre Filter & Multi-grade Pressure Filter (2 Nos) with required accessories for connecting the filter to rising main with a maximum / minimum operating pressure of 5 Kg/ cm2 to 1.5 Kg / cm2 respectively and confirming to the following specifications: to filter water containing of suspended solids Turbidity to produce a filtrate with less than 5 ppm of suspended solids. a) The vertical cylindrical shell with dish ends made up of mild steel confirming to IS 2062 fabricated of plate thickness 6 mm shell and dish end thickness 8 mm the inner surface of M.S. Shell should be provided with epoxy paint, the raw material confirming to FDA standards. Protective coat of red oxide primer and enamel paint as per IS - 14209 for outer surface of the M.S. Shell should be provided.				



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<p>b) The following accessories should be provided with the pressure filter:</p> <p>i) One suitable set of laterals and header and bell mouth for water distribution and collection system.</p> <p>ii) One initial charge of, filter media and under bed material with one set of suitable frontal pipe work and valves and pressure gauges to monitor the pressure loss across the filter operated manually as per the specifications below</p> <p>iii) 2 No TCL dosing pumps as Pre &amp; Post Chlorination and mixing arrangements to be provided in tanks, each of 8 hours capacity, capable of importing dose. The TCL solution tanks provided with a dose in steps of 2 ppm and entire unit mounted on the wall in the form of prefabricated structure, TCL pumps are connected to TCL solution tank and outlet pipe of the filter plant for continuous and proportionate of dosing as per the flow rate,</p>				
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**Specification :-**

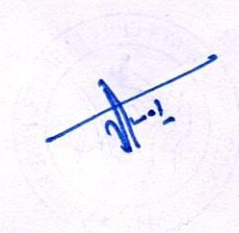
S.N	Description	Unit	Qty	Rate (Excluding G.S.T)	
				complete	complete
1	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of <b>5000 LPH (0.10 MLD)</b> with 20 hour pumping	No	1 package		
	The pressure filter unit is designed for the following specification:				
	Working pressure	1.5 Kg / Cm2 to 5 Kg / cm2			
	Filter vessel dia (Zeosorb/Zeolite)	600 mm			
	HOS	600 mm			
	Filter vessel dia (Anthracite /Carbon)	600 mm			
	HOS	600 mm			
	Frontal pipeline	40 mm			
	Valves	Butterfly valves			
	Shell thickness	6 mm			
	Dish end thickness	8 mm			
	Pressure relief valve	1 no			
	Chlorine Dosing Pump	2 nos			
	Pressure gauge	2 nos			
	MOC of vessel	MS IS 2062 with Epoxy food grade inside			
a	Hydro cyclone Centrifugal filter	50 mm Inlet			
b	Space required	10' x 8 x 12' Ht			





2	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 10000 LPH (0.20 MLD) with 20 hour pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg / Cm2 to 5 Kg / cm2				
	Filter vessel dia (Zeosorb)	1000 mm				
	HOS	1200 mm				
	Filter vessel dia (Anthracite/Carbon)	1000 mm				
	HOS	1200 mm				
	Frontal pipeline	50 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	50 mm Inlet				
b	Space required	10' x 8 x 12' Ht				
3	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 20000 LPH ( 0.40 MLD) with 20 hour pumping		No	1 package		
	FILTRATION					
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5Kg / cm2				
	Filter vessel dia (Zeosorb)	1200 mm				
	HOS	1500 mm				
	Filter vessel dia (Anthracite/Carbon)	1200 mm				
	HOS	1800 mm				
	Frontal pipeline	75 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	1 nos				
	Pressure relief valve	1 no				

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	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	75 mm inlet				
b	Space required	12' x 12' x 14' Ht				
4	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 30000 LPH ( 0.60 MLD) with 20 hour pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg/Cm2 to 3.5 Kg / cm2				
	Filter vessel dia (Zeosorb)	1400 mm				
	HOS	1500 mm				
	Filter vessel dia (Anthracite/Carbon)	1400 mm				
	HOS	1800 mm				
	Frontal pipeline	100 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	100 mm Inlet				
b	Space required	12' x 12' x 14' Ht				
5	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 40000 LPH ( 0.80 MLD ) with 20 hour pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg /cm2				
	Filter vessel dia (Zeosorb)	1600 mm				
	HOS	1500 mm				
	Filter vessel dia (Anthracite/Carbon)	1600 mm				
	HOS	1800 mm				
	Frontal pipeline	100 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				

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	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	100 mm inlet				
b	Space required	15' x 12' x 14' Ht.				
6	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 50000 LPH ( 1.00 MLD) with 20 hour pumping		No	1 package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	1600 mm				
	HOS	1500 mm				
	Filter vessel dia (Anthracite/Carbon)	1600 mm				
	HOS	1800 mm				
	Frontal pipeline	100 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	100 mm inlet				
b	Space required	15' x 12' x 14' Ht				
7	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 60000 LPH ( 1.20 MLD ) with 20 hour pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5Kg / cm2				
	Filter vessel dia (Zeosorb)	1800 mm				
	HOS	1500 mm				
	Filter vessel dia (Anthracite/Carbon)	1800 mm				
	HOS	1800 mm				



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	Frontal pipeline	100 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	1 no				
	Pressure relief valve	1 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydrocyclone centrifugal filter	100 mm inlet				
b	Space required	18' x 15' x 14' Ht.				
8	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 70,000 LPH (1.40 MLD) with 20 hour pumping		No	1 package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	1800 mm				
	HOS	1600 mm				
	Filter vessel dia (Anthracite/Carbon)	1800 mm				
	HOS	1800 mm				
	Frontal pipeline	100 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydrocyclone centrifugal filter	100 mm inlet.				
b	Space required	18' x 15' x 14' Ht.				
9.00	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 80,000 LPH (1.60 MLD) with 20 hour pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	2000 mm				
	HOS	1800 mm				

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	Filter vessel dia (Anthracite/Carbon)	2000 mm				
	HOS	2000 mm				
	Frontal pipeline	150 mm				
	Valves	Butterfly valves				
	Shell thickness	6 mm				
	Dish end thickness	8 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	150 mm inlet.				
b	Space required	18' x 15' x 14' Ht				
10.00	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 1,00,000 LPH(2.00 MLD) with 20 hours pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg/Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	2200 mm				
	HOS	2000 mm				
	Filter vessel dia (Anthracite/Carbon)	2200 mm				
	HOS	2200 mm				
	Frontal pipeline	150 mm				
	Valves ( Auto Operated)	Butterfly valves				
	Shell thickness	8 mm				
	Dish end thickness	10 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 nos				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydrocyclone centrifugal filter	150 mm inlet				
b	Space required	18' x 15' 14' Ht				
11	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 1,50,000 LPH ( 3.00 MLD) with 20 hours pumping		No	1 package		
	The pressure filter unit is designed for the following specification:					



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	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	2600 mm				
	HOS	2200 mm				
	Filter vessel dia (Anthracite/Carbon)	2600 mm				
	HOS	2400 mm				
	Frontal pipeline	150 mm				
	Valves ( Auto Operated)	Butterfly valves				
	Shell thickness	8 mm				
	Dish end thickness	10 mm				
	TCL Dosing Pump	1 no				
	Pressure relief valve	1 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	150 mm				
b	Space required	20' x 18' x 15' Ht				
12	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 2,00,000 LPH ( 4.00 MLD) with 20 hours pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	2800 mm				
	HOS	2000 mm				
	Filter vessel dia (Anthracite/Carbon)	2800 mm				
	HOS	2400 mm				
	Frontal pipeline	200 mm				
	Valves ( Auto Operated)	Butterfly valves				
	Shell thickness	8 mm				
	Dish end thickness	10 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	200 mm inlet				
b	Space required	20' x 18' x 15' Ht				
13	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 2,50,000 LPH ( 5.00 MLD) with 20 hours pumping		No	1 Package		





	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg /Cm2 to 3.5 Kg/ cm2				
	Filter vessel dia (Zeosorb)	3000 mm				
	HOS	2200 mm				
	Filter vessel dia (Anthracite/Carbon)	3000 mm				
	HOS	2200 mm				
	Frontal pipeline	200 mm				
	Valves ( Auto Operated)	Butterfly valves				
	Shell thickness	8 mm				
	Dish end thickness	10 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	200 mm inlet				
b	Space required	24' x 18' x 15' Ht				
14	Online Hydraulically Operated Self Cleaning Pressure Filter for the flow rate of 3,00,000 LPH ( 6.00 MLD) with 20 hours pumping		No	1 Package		
	The pressure filter unit is designed for the following specification:					
	Working pressure	1.5 Kg/Cm2 to 3.5 Kg /cm2				
	Filter vessel dia (Zeosorb)	3000 mm				
	HOS	2200 mm				
	Filter vessel dia (Anthracite/Carbon)	3000 mm				
	HOS	2200 mm				
	Frontal pipeline	200 mm				
	Valves ( Auto Operated)	Butterfly valves				
	Shell thickness	8 mm				
	Dish end thickness	10 mm				
	TCL Dosing Pump	2 nos				
	Pressure relief valve	2 no				
	Pressure gauge	2 nos				
	MOC of vessel	MS IS 2062 with Epoxy food grade inside				
a	Hydro cyclone centrifugal filter	200 mm inlet				
b	Space required	20' x 18' x 15' Ht				



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**Rates of SURFACE WATER (Lake and River Water) (प्रत्यक्ष दर ५००० lit / hr ते ३ lakh lit / hr)**

S. No.	Cap MLD, Flow rate / hour	Unit	Rate in Lakhs
1	5 Cum / Hr. (0.10 MLD)	Package For Each	6.05
2	10 Cum / Hr. (0.20 MLD)		10.38
3	20 Cum / Hr. (0.40 MLD)		12.70
4	30 Cum / Hr. (0.60 MLD)		16.65
5	40 Cum / Hr. (0.80 MLD)		20.54
6	50 Cum / Hr. (1.00 MLD)		23.88
7	60 Cum / Hr. (1.20 MLD)		28.54
8	70 Cum / Hr. (1.40 MLD)		38.24
9	80 Cum / Hr. (1.60 MLD)		45.75
10	100 Cum / Hr. (2.00 MLD) auto operated		52.25
11	150 Cum / Hr. (3.0 MLD) auto operated		57.60
12	200 Cum / Hr. (4.0 MLD) auto operated		71.20
13	250 Cum / Hr. (5.0 MLD) auto operated		94.32
14	300 Cum / Hr. (6.0 MLD) auto operated		100.04

Note:-

- 1) Rates inclusive installation and erection charges.
- 2) GST extra 18 %
- 3) 5 years performance warrantee
- 4) Please calculate 20 m head for pressure filter plant.
- 5) Above mentioned Specifications are to be followed.

**वैशाली आवटे**  
(वैशाली आवटे)  
मुख्य अभियंता (प्र)

प्रत:- मा. सदस्य सचिव, म.जी.प्रा. मुंबई - यांना माहितीसाठी सविनय सादर.

प्रत:- मुख्य अभियंता, म.जी.प्रा. प्रा.वि. ठाणे/नाशिक/छत्रपती संभाजी नगर/ अमरावती/नागपूर - माहिती

आणि पुढील कार्यवाहीसाठी

प्रत:- अ.अ.(मु) /अ.अ. म.नि.सं.व सं. कक्ष, मजीप्रा, मुंबई - यांना माहितीसाठी

प्रत :- अ.अ.मजीप्रा, मंडळ, पुणे, सांगली - यांना माहिती आणि पुढील कार्यवाहीसाठी

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