

**TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS**

Sl No.	Description of items	Quantity
PUR/163/CAMM/CK/E/2020-21		
1.	Supply of Water Jetting Pump (Details are as per below ANNEXURE-I)	06 Nos.

**1. WARRANTY**

- 1.1. Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of acceptance of the items/equipment at the User's laboratory/Institute.

## Annexure I

S. No.	Specification	Value	Remarks
<b>Item 1: Bare Pump</b>			
1.	Working Pressure Range	0-100 bar	
2.	Maximum working pressure	150 bar	
3.	Flow rate	40 LPM	
4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	10 HP	
7.	Type of pump	TRIPLEX Reciprocating with crank and connecting rod	
8.	Material of construction	Pump head: Brass Pistons: Solid Ceramic Valve: Stainless steel Pressure regulating value: Stainless steel	
9.	Pressure gauge	Glycerine Filled pressure gauge indicating operating pressure of equipment.	
10.	Duty cycle of pump	Continuous duty	
<b>Item 2: Pump with coupled engine</b>			
1.	Working Pressure Range	0-100 bar	
2.	Maximum working pressure	150 bar	
3.	Flow rate	40 LPM	
4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	10 HP	
7.	Type of pump	TRIPLEX Reciprocating with crank and connecting rod	
8.	Material of construction	Pump head: Brass Pistons: Solid Ceramic Valve: Stainless steel Pressure regulating value: Stainless steel	
9.	Pressure gauge	Glycerine Filled pressure gauge indicating operating pressure of equipment.	
10.	Duty cycle of pump	Continuous duty	
11.	Mounting type	Skid mounting	
12.	Engine type	Diesel	
13.	Engine RPM	1400-1800	
14.	Starter	Electric start	
15.	Battery for Electric start	Make: Standard	
16.	Engine Make	Honda, Eicher, or reputed brand, Standard.	
17.	Fuel Tank capacity	10 Litre	
18.	Engine Coupling type	Flexible gland type	
<b>Item 3: Bare Pump</b>			
1.	Working Pressure Range	0-100 bar	
2.	Maximum working pressure	110 bar	
3.	Flow rate	70 LPM	

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4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	20 HP	
7.	Type of pump	TRIPLEX Reciprocating with crank and connecting rod	
8.	Material of construction	Pump head: Brass Pistons: Solid Ceramic Valve: Stainless steel Pressure regulating value: Stainless steel	
9.	Pressure gauge	Glycerine Filled pressure gauge indicating operating pressure of equipment.	
10.	Duty cycle of pump	Continuous duty	
<b>Item 4: Bare Pump with coupled engine</b>			
1.	Working Pressure Range	0-100 bar	
2.	Maximum working pressure	110 bar	
3.	Flow rate	70 LPM	
4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	20 HP	
7.	Type of pump	TRIPLEX Reciprocating with crank and connecting rod	
8.	Material of construction	Pump head: Brass Pistons: Solid Ceramic Valve: Stainless steel Pressure regulating value: Stainless steel	
9.	Pressure gauge	Glycerine Filled pressure gauge indicating operating pressure of equipment.	
10.	Duty cycle of pump	Continuous duty	
11.	Mounting type	Skid mounting	
12.	Engine type	Diesel	
13.	Engine RPM	1400-1800	
14.	Starter	Electric start	
15.	Battery for Electric start	Make: Standard	
16.	Engine Make	Honda, Eicher, or reputed brand, Standard.	
17.	Fuel Tank capacity	10 Litre	
18.	Engine Coupling type	Flexible gland type	
<b>Item 5: Bare Pump</b>			
1.	Working Pressure Range	0-120 bar	
2.	Maximum working pressure	130 bar	
3.	Flow rate	115 LPM	
4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	35 HP	
7.	Type of pump	TRIPLEX (minimum) Reciprocating with crank and connecting rod	

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8.	Material of construction	Pump head: Nickel plated Cast Iron Pistons: Solid Ceramic Valve: Stainless steel Pressure regulating valve: Stainless steel	
9.	Pressure gauge	Glycerine Filled pressure gauge indicating operating pressure of equipment.	
10.	Water Inlet strainer	Water inlet trainer with coupling	
11.	Duty cycle of pump	Continuous duty	
<b>Item 6: Bare Pump with coupled motor</b>			
1.	Working Pressure Range	0-60 bar	
2.	Maximum working pressure	70 bar	
3.	Flow rate	18-20 LPM	
4.	Maximum Inlet water temperature	60 °	
5.	RPM of pump	1450-1500	
6.	Power required	3 HP	
7.	Motor type	Single Phase Induction motor	
8.	Motor power	3 HP	
9.	Motor RPM	1450-1500	

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