

## Air-cooled Diesel Engine driven water pumps

NPA Reference No.	Item Number	Item Name
		Air cooled Diesel engine driven water pump with foot valve.

### Item Description

The pump should be able to be used in well for pumping water decanting, mixing and civil engineering industry and agriculture at atmospheric temperature.

### Image



Specification	Conformity		Variations (if any)
	Yes	No	
<b>Materials of constructions</b>			
Shaft: - Stainless steel conforming to BS970 grade 431 S 29			
Impeller; - Bronze or leaded gun metal LG2/LG4 conforming to BS 1400			
Casing: - Cast iron conforming to BS 1452 grade 220			

Specification	Conformity		Variations (if any)
	Yes	No	
<b>Engine</b>			
Diesel engine shall be of a well-proven make, complying with the requirement of BS 5514 (ISO 3046) and suitable for operation on diesel oil marketed in Sri Lanka.			
Vertical type four strokes, Air-cooled.			
<b>Operating condition</b>			
Suitable for dusty and salty atmosphere, tropical climate			
Max. relative humidity 95%			
Max. ambient temperature 38 °C.			
<b>Construction features</b>			
Mounted on a rigid and robust or fabricated common frame			
Sealed high precession bearings lubricated for life.			
<b>Other requirements</b>			
With overload protection			
With foot valve			

(2) Performance/Requirements		Conformity		Variations (if any)
	As specified	Yes	No	
<u>Pumping head</u> : -(m) Suction (inlet): -	.....			
Delivery (outlet): -	.....			
Total head: -	.....			
<u>Out put</u> : - Capacity of pump at the total pumping head (l/min): -	.....			
<u>Usage</u> : - Industrial or agriculture or waste water	.....			
With or without deep well kit	.....			
Continuous running or not	.....			

**Engine (prime mover): -**

Make : - .....

Model : - .....

Type : - .....

Country of origin : - .....

Country of manufacture: - .....

Weight (kg) : - .....

Cylinder bore X stroke (mm): - .....

Number of cylinders : - .....

Piston displacement (cm<sup>3</sup>): - .....

Starting system : - .....

**Note:-**

(2) Buyer should indicate the performance/requirements.

Fuel oil : - .....

Maximum out put (Kw/rpm): - .....

Continuous out put (Kw/rpm): - .....

Maximum torque (Nm/rpm): - .....

Fuel tank capacity (Ltr) : - .....

Fuel consumption (Lts/h): - .....

Lubricating oil and system : - .....

Cooling system ; - .....

**Pump:** -

Make : - .....

Model : - .....

Country of origin : - .....

Country of manufacture : - .....

Inlet pipe diameter (mm): - .....

Outlet pipe diameter (mm): - .....

Operating range : - Discharge (l/min): ..... at min. head (m): .....

: - Discharge (l/min): ..... at max. head (m): .....

Number of stages of the pump: - .....

Pumping arrangement : - .....

Efficiency % : - .....

Priming arrangement : - .....

Maximum allowable water temperature deg. C: - .....

Dimensions of the machine [L x W x H (mm)]: - .....

Availability of valid ISO quality assurance certificate: - .....  
(Certified copy to be attached)

- Catalogue

The supplier shall submit the diagrams, material and technical details, operation, service and maintenance instructions, head and capacity curve of the pump in English.

Name and address of the bidder:-.....

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.....  
Signature of the bidder

Date .....

Rubber seal
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