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भारत सरकार, गृह मंत्रालय/Government of India, Ministry of Home Affairs
महानिदेशालय/Directorate General
राष्ट्रीय आपदा मोचन बल/National Disaster Response Force
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नई दिल्ली/ New Delhi — 110001
दिनांक, 07 July, 2020

REQUEST FOR EXPRESSION OF INTEREST

It is to inform that NDRF will procure following items for which draft technical specification has been prepared through a detailed BOOs which are enclosed here with as appendix-A & B.

- 1) Diesel Water Pump (Capacity 4000 ltr/hour)
- 2) Diesel Water Pump (Capacity 20000 ltr/hour)

Therefore, all the interested vendors/manufacturers are hereby invited to submit their comments/ suggestion on the draft technical specifications to this HQ by 30 July' 2020 against this expression of interest for further course of action.

Encl: As above.



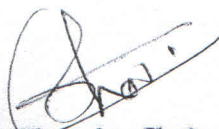
(A.K. Tiwari)
Commandant (NDRF)
HQ NDRF
कमाण्डेन्ट (एन.डी.आर.आर.)
Commandant (NDRF)
मुख्यालय रा. आ. मो. बल, नई दिल्ली
HQ NDRF, New Delhi

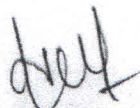
To,


The In-charge, IT Cell, for uploading the same on NDRF website.

Draft Technical specification of diesel water pump (capacity 4000 ltr/ hour)

General diesel water pump or dewatering pump having capacity for continuous outdoor operation external conditions like rain snow and humidity		
01	Diesel water pump should be compliance to 11501:1986	
02	Pump and engine duly coupled and mounted on mild steel robust tubler frame for easy transportation.	
03	Guarantee/warranty minimum 3 year .	
Engine		
01	Engine	Air Cooled 4 Stroke diesel engine
02	Displacement (CC)	296
03	Rated power	4KW
04	Speed (RPM)	Minimum 3600 rpm
05	Fuel	Diesel operated
06	Fuel tank Cap.	Minimum 3.5 ltr
07	Start	Recoil
PUMP		
01	Type of pump-	Self priming
02	Casting material –	Granded cost iron or alluminium
03	Frame	Tubler
04	Rate of water discharge flow	Minimum 4000 ltr/hour
05	Head	Should not be less than 15 mtr
06	Weight	Not more than 48 kg


 (Shashi Chandra Jha)
 Sec-In-Command, 7th BN NDRF


 Insp/GD- Yashwant Singh)
 8th BN NDRF


 (SI/GD- Vijay Kumar
 8th BN NDRF

Draft Technical specification of diesel water pump (capacity 20000 ltr/ hour)

General diesel water pump or dewatering pump having capacity for continuous outdoor operation external conditions like rain snow and humidity

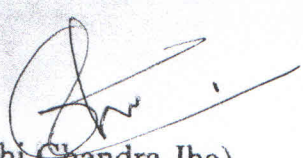
01	Diesel water pump should be compliance to 11501:1986
02	Pump and engine duly coupled and mounted on mild steel robust tubler frame for easy transportation.
03	Weight of pumpset should not more than 55kg .
04	Guarantee/warranty minimum 3 year .

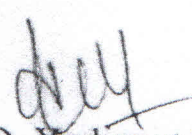
Engine


01	Engine capacity	5HP .
02	Rated	Power should be minimum 4 kilo watt @ 3600 RPM.
03	Engine start system	Recoil start with D-compression lever .
04	Number of cylinder	Single cylinder .
05	Fuel supply	Fuel pump by gravity feed through tank .
06	Fuel tank capacity	Minimum 3.5 ltr .
07	Speed (RPM)	Minimum 3600 rpm .
10	Engine cooling system	Air cooled.
11	Fuel	Diesel operated .
12	Standerd	IS: 10,001 latest/ IS:73471 latest
13	Engine should have safety alert for engine oil and over heat.	
08	All rotation parts should be dynamically balanced for longer bearing life and vibration free and smooth and silent operation.	
09	Continuous outdoor operation in external conditions like rain, snow and humidity should not affect pumping operation.	

PUMP

01	Type of pump	Self priming
02	Casting material	Granded cost iron or alluminium
03	Impeller	cast iron of grade FCD450. ϵ^0
04	Shaft type	Stainless steel / forged steel or cast iron .
05	Rate of water discharge flow	Minimum 20000 ltr/hour .
06	Head	Should not be less than 25 mtr .
07	Pumping unit should be centrifugal type which is capable of handling floating material/ solids like wooden pieces muddy water etc.	


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