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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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Dated, the 13 February, 2018

**Subject:- Swiss Challenge Method – Uploading on NDRF web Site/ CPP Portal**

It is to inform that National Disaster Response Force (NDRF) intends to procure **Set of Advanced Hydraulic Rescue Tools** Qty – 01 No. through Single Tender Enquiry on operational trial basis. The details is as under:-

Sl.No.	Nomenclature of the equipment	Specification & Description of Equipment	Qty.
1.	Set of Advanced Hydraulic Rescue Tools	Attached as <b>Appendix – “A”</b>	01 No.


2. All potential OEMs are hereby requested to submit their offer for above equipment in following proforma **within one week** from the date of uploading on NDRF Web site/ CPP Portal.

Sl.No.	Nomenclature of the equipment	Specification & Description of Equipment & Model	Qty

Note:- This quote will not be an offer or procurement but only as Technical Guidance for further reference.

Signature authority of Firm.

Encl: Appendix – A (3 pages)



(Keshav Kumar)  
Second-In-Command (Proc.)  
HQ DG NDRF

Copy to:

IT Cell, HQ NDRF for needful action please.



**TECHNICAL SPECIFICATION OF SET OF ADVANCED HYDRAULIC  
RESCUE TOOLS**

**I. Hydraulic Core Drilling**

**Features of Hydraulic Core Cutting**

- Powerful drilling with hydraulic feed
- High stability yet low weight thanks to 2-pillar guide system
- The BC-2 is ideal for drilling large holes up to 1000 mm.
- A large selection of drill accessories rounds off the range.
- The dual-column guidance principle and a two-speed feed gear enable user friendly work and low weight.
- Feed using hand crank or hydraulic drive
- Can be adjusted to any angle
- Adjusting feet (micro)
- Two-speed feed gearbox  $i=1:2$  and  $1:9$

**Specifications of Hydraulic Core Cutting**

- Drill diameter 100 – 350 mm
- Max. drill diameter with 700 mm gear reduction arm-700 mm
- Max. drill diameter with 1,000 mm gear reduction arm-1000 mm
- Max. drill bit length - 830 mm
- Length - 460 mm
- Width - 290 mm
- Height - 1340 mm
- Weight - 30 kg

**II. Hydraulic Wire Sawing SK-SD**

**Features of Hydraulic Wire Sawing SK-SD**

- Quick conversion from drill rig to wire saw
- Intelligently designed wire storage
- Wire can be placed enclosed in the machine
- The classic for faster, safer and simpler working thanks to direct mounting of the wire saw on the cutting surface.
- The SK-SD wire saw can be converted into a core drill rig by means of only 2 screws
- The intuitive roller arrangement makes wire guidance into child's play.

**Specifications of Hydraulic Wire Sawing SK-SD**



- Wire store 7.4 m
- Gross wire length 10.8 m
- Wire Ø, sintered 11 mm
- Wire Ø, galvanic 10 mm
- Height 1,340 mm
- Width 920 mm
- Depth 810 mm
- Weight without drill rig 66 kg
- Weight with drill rig BC-2 96 kg

### III. Hydraulic Dragon Ring Saw

#### Features of Hydraulic Dragon Ring Saw

- The ONLY hand saw capable of cutting up to 16" deep in concrete or block
- Best power transfer to blade-where it is needed
- 1/3 less cutting cost than chain sawing
- Eliminates over cuts on corners
- Up to three times faster than chain sawing
- Diamond blade life up to five times longer
- Light weight

#### Specifications of Hydraulic Dragon Ring Saw

- Maximum Working Pressure 172 bar
- Minimum Blade Diameter 400 mm
- Maximum Blade Diameter 500 mm
- Cutting Depth with 400 mm Saw Blade 300 mm
- Cutting Depth with 500 mm Saw Blade 400 mm
- Blade Cooling Water Cool
- Weight 13.5 kg

### IV. Hydraulic Power Unit CB49D Diesel

#### Specifications of Hydraulic Power Unit CB49D Diesel

- Hydraulic Flow 0-95 l/min
- Working Pressure 173 bar
- Hydraulic Tank Capacity 170 Litre
- Flow Control Fully adjustable
- Hose 19 mm X 18 meter length
- Quick Disconnects 3/4"



- Fuel Tank Capacity 34 litre
- Power 49 HP
- Length 650 mm
- Width 600 mm
- Height 1125 mm

**Features of Hydraulic Power Unit CB49D Diesel**

- 49 HP Deutz diesel engine
- Heavy duty frame design
- Four heavy duty wheels for easy moving
- Hose hanger

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