

ANNEX 1 - List of items and technical specifications

| Label | Technical Specs (List the specs here, ie 200 kN...) | Time needed for delivery (In consecutive days) | Warranty (In months) |
|--|---|--|----------------------|
| I – Lifting bags technical specifications: | | | |
| a- <u>Lifting bag 1:</u> | | | |
| - Effective lifting force in the range of 200 to 210 kN | | | |
| - Inflation Height not less than 250 mm | | | |
| b- <u>Lifting bag 2:</u> | | | |
| - Effective lifting force in the range of 350 to 370 kN | | | |
| - Inflation Height not less than 350 mm | | | |
| c- <u>Lifting bag 3:</u> | | | |
| - Effective lifting force in the range of 600 to 620 kN | | | |
| - Inflation Height not less than 450 mm | | | |
| d- <u>Lifting bag 4:</u> | | | |
| - Effective lifting force in the range of 900 to 940 kN | | | |
| - Inflation Height not less than 560 mm | | | |
| All the above lifting bags should comply to the following (Please mark Y/N next to each line and add comments as needed): | | | |
| - Have inserts for optional lifting rings | | | |
| - Be Aramid-reinforced | | | |
| - Have inlets that are easy to hook to in adverse conditions | | | |
| - Have integrated dust caps. | | | |
| - Be non-slip | | | |
| - Lifting capacity marked on the item | | | |
| - Can be operated using air bottles | | | |
| II – Lifting bags accessories (Please mark Y/N next to each line and add comments as needed): | | | |
| - Air Bottle (300 bar or more) | | | |
| - Pressure reducer | | | |
| - Control unit (containing air pressure gauge, safety couplers, non-return valves) | | | |
| - Shut-off hose | | | |
| - Lifting rings set (2) | | | |
| - Connection pieces | | | |
| - Air adapters | | | |
| - Other accessories as required for the operation of the lifting bags. | | | |
| - All the accessories and the control unit should be able to operate under a minimum load of 1000 kN. | | | |
| III – <u>Petrol Pump (Preferably dual pump):</u> | | | |
| The petrol pump will be used to power the lifting bags. Accordingly, it will have to meet the below technical requirements: | | | |
| - Minimum working pressure 700 bar or higher | | | |
| - First stage pressure 0-150 bar or better | | | |
| - First stage output 2900cc/min or better | | | |
| - Second stage pressure range 150 – 280 bar or better | | | |
| - Second stage output 1300min/cc or better | | | |
| - Third stage pressure range 280 – 720 bar or better | | | |
| - Third stage output 550 cc/min or better | | | |
| - Continuous operation of at least 3 continuous hours | | | |
| - Capacity of fuel tank preferably above 3000 cc | | | |
| - Sound level with load preferably below 85 dB (Preferably compliant with EN 13204) | | | |
| - Effective oil tank capacity preferably 5500 to 6000 cc | | | |
| - Petrol engine (Y/N) | | | |
| - Number of connections, minimum 2 | | | |
| - Number of usable connections at the same time, minimum 2 | | | |
| - Pump type, preferably 3 stage per above pressure and outputs (Axial preferably) | | | |
| - Engine type, minimum 5hp, 4 stroke, minimum 4kW output | | | |
| - Preferably with double hose reels (15 m minimum) | | | |
| - Total weight of engine + houses not to exceed 70 kg with full tanks | | | |
| - Compliant to EN 13204 and NFPA 1936 or higher | | | |
| IV – <u>Petrol Engine Power Cutter:</u> | | | |
| - Cutting depth of at least 120 mm | | | |
| - Petrol driven engine | | | |
| - Minimum displacement 66 cc | | | |
| - No load speed of minimum 2700 rpm | | | |
| - Power output of engine minimum 4hp | | | |
| - Weight not to exceed 9.5 kg | | | |
| V – <u>Demolition Hammer:</u> | | | |
| - Impact energy 17 Joules or more | | | |
| - Minimum watts out 750 W | | | |

| | | | |
|--|--|--|--|
| - Hammer rate 2,000 bpm minimum | | | |
| - Weight, not to exceed 10 kgs | | | |
| - Preferably with vibration control | | | |
| | | | |
| <u>VI – Heavy-duty breaker:</u> | | | |
| | | | |
| - Voltage 240V | | | |
| - Minimum impact energy 50 Joules | | | |
| - Minimum 14 amps power | | | |
| - Hammer rate on load 900 bpm | | | |
| - Vibration measurement not to exceed 5m/s ² | | | |
| | | | |
| <u>VII - Supplier is capable and willing to give the Civil Defense teams a brief on the operational requirements and know how Y/N (Total Grade Weight 3)</u> | | | |
| Total | | | |