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1. BACKGROUND OF ENQUIRY

The enquiry is for lifting equipment suitable in pulling OPGW, ADSS and conductors in the construction of overhead transmission lines. Machine must have overload protection feature build-in which can be set from 500 kg to 8500 kg. The machine slows down to an eventual stop when set limit is reached. This avoid damage to the conductor and beneficial when pulling OPGW. All the items on the enquiry is related to safer execution of installation activity.


The pilot rope and running block is to ensure there not abrasion on the cable to be installed. Maximum specification are provided in the technical evaluation criteria.

2. TECHNICAL EVALAUTION CRITERIA

Technical Evaluation Criteria		Score	Motivation & Comments (Identified risk(s) / exceptions / conditions)
1	Puller 7.5 Ton	10	Full electronic controlled Puller with large bull wheels made of hardened steel and groove diameter. Max pulling force of 75kN (SPW 7.5) Engine Max: 65 kW/ 88 hp Liquid-cooled diesel engine with automatic rpm control 24 V system with high capacity batteries
1.1	Max pulling force = 75 kN	5	

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Technical Evaluation Criteria		Score	Motivation & Comments (Identified risk(s) / exceptions / conditions)
1.2	Max speed pulling = 5 km/h	5	
1.3	Speed at max pulling force = 1.7 km/h	5	
1.4	Bull Wheels number = 2	5	
1.5	Diameter of Bull Wheels = 450mm	5	
1.6	Bull Wheels Groove diameter = 49mm	5	
1.7	Dimensions of Puller Length x weight x height = 4300 x 2180 x 1850mm	5	
1.8	Weight of Puller = 2620kg	5	
2	Drum Stand 7 Ton, with manual braking	10	Drum stand (TB IT 7) for 7000kg with suitable for wooden drums(optional for steel drums), manually controlled hydraulic cylinders for quick loading/ unloading of the drum without crane.
2.1	Technical data: Max drum weight = 7000 kg Max drum Ø = 3000 mm Min drum Ø = 1400 mm Drum width (125 mm bore) = 600-	5	Robust galvanised steel frame with anchoring eye bolts Dismountable for reduced transport dimensions Transport box Mechanical locking for lifting Cylinders Drum shaft with 2 tension units on each side to fix the drum

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Technical Evaluation Criteria		Score	Motivation & Comments (Identified risk(s) / exceptions / conditions)
	1500 mm Drum shaft Ø = 60 mm		
2.2	Dimension/ Weight With transport box Length x Width x Height 2.3 x 0.9 x 0.8 m Weight = 530 kg	5	
3	Hydraulic brake for drum	10	Mechanically controlled disc brakes Disc brakes on both sides Hydraulic drive (max. drive torque 2900 Nm) Hydraulic system for drum stand control with flat face quick-action coupling Compatible with the Puller max capability, not exceeding max 7.5 kN
4	Pilot Cable - Braided steel rope Rope Ø13mm, 1600m in length per reel	10	Braided steel rope made of 12 or 18 galvanized high-tensile steel strands with spliced eyes on both ends Suitable as pulling rope in construction of overhead transmission lines Highly flexible and twist resistant, delivered on hot-dip galvanised steel reel with Ø of 1100 or 1400 mm
5	Running block, single sheave, 660mm	5	Low abrasion on pulley blocks, rope sheaves and scaffold elements due to hexagonal cross section

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Technical Evaluation Criteria		Score	Motivation & Comments (Identified risk(s) / exceptions / conditions)
3	Running block, single sheave 440mm	5	Low abrasion on pulley blocks, rope sheaves and scaffold elements due to hexagonal cross section
	TOTAL SCORE	100	100 = Compliant Less than 100 = Non-compliant

Remarks			
Technical Evaluator			
Name	Signature	Date	Designation

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Verified By EWL:			
Name	Signature	Date	Designation

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