

**Tender No.65.11.8070**  
**TECHNICAL SPECIFICATION**

**Hydraulic power equipment with accessories and tooling arrangement for using  
Huck/ Avedelok fasteners.**

Sr.No	Hydraulic power equipment accessories and tooling arrangement		Requirement in Nos	
			WRS/ KOTA	C&W/ NKJ
1.	Major Parameters	Capability: For using Huck / Avedelok Fasteners from 1/2" (12mm) to 7/8" (22 mm) in lieu of rivets on Railway Wagons during the course of carrying out POH/ROH. Power unit must have inbuilt pressure gauges for Pull & Return pressure. Hydraulic Power Pack 3 Ph x 400V x 50 Hz, Pull Pressure Max. psi – 10000 Return Pressure Min.psi – 2800 Delivery : 3.1 LPM	3	1
2.		Minor parameters	Electrical Power Supply – 3 Phase 415 VAC, 50 Hz . Motor KW – 2.2 W (4 Pole flange mounted) Amps Nominal – 5.3 A Control Circuit – 24 Volts DC Hydraulic Pump – Radial Plunger Pump Length-870 mm approx. Width-360 mm approx. Height-700 mm approx.	3
3.	Standard Accessories	<b>Light weight Hydraulic Installation/ hand held unit for 1/2" Size lock bolt</b> Stroke in (mm) : 1.437 (36.49) Weight : Not more than 5 kg approx. Body diameter : inch (mm)- 2.827 (71 .81) Length : inch (mm) – 6.562 (166.69) approx. Height : inch (mm)-7.046 (178.97) approx. Pull Pressure psi – 7,400 Return Pressure psi – 3,200 Sound Level – 75 dB (A) or less	3	1
		<b>NOSE Assembly suitable for 1/2" size – lock bolts</b> Weight – 0.9 Kg.approx. Diameter – 44.45 mm approx. Length – 124.97mm approx.	3	1
		<b>Light weight Hydraulic Hydraulic Installation/ hand held unit for 5/8" and 3/4" size lock bolt</b> Stroke in (mm) - 1.97 (50 mm) Weight – Not more than 7 kg approx Body diameter in (mm) – 2.827 (71.81)approx. Length in (mm) – 10.273 (260.9) approx. Height in (mm) – 8.64 (219.4) approx. Pull Pressure psi – 8000 Return Pressure psi – 5600 Sound Level – 75 dB (A) or less	3	1

		<b>NOSE Assembly for placing 5/8" dia lock bolt :</b> Weight – 1. Kg approx. Diameter – 55.4mm approx. Length – 107.33 mm approx.	-	<b>1</b>
		<b>NOSE Assembly placing for 3/4" dia lock bolt:</b> Weight – 1.2 Kg approx. Diameter – 55.40 mm approx. Length – 120.40 mm approx.	<b>3</b>	<b>1</b>
		<b>Light weight Hydraulic Hydraulic Installation /hand held unit suitable for lock bolts size – 7/8" dia</b> Stroke in (mm) – 1.90" (48.41 mm) Pull Pressure – 7400 psi Return Pressure – 3200 psi Weight - Not more than 12 kg approx	<b>3</b>	<b>1</b>
		<b>NOSE Assembly for placing 7/8" dia lock bolt:</b> Weight – 1.8Kg. approx. Diameter – 69.85 mm approx. Length – 95.25 mm approx.	<b>3</b>	<b>1</b>
		Hydraulic hose pipe with (24 V DC) Electrical Control–15 Mtr. Long suitable for industrial environment.	<b>3</b>	<b>1</b>
<b>4</b>	<b>Spares</b>	Essential consumable spares related to operation & maintenance for at least one year for each Hydraulic power equipment accessories and tooling arrangement and list of spares and qty. should be furnished Cost of spares should be included with offer.	<b>3 sets</b>	<b>1 set</b>
<b>5</b>	<b>AMC Requirement</b>	No, However Rates should be quoted by firms separately for Comprehensive AMC for 3 Years after completion of warranty period, Which shall be awarded by concerned Division/unit		
<b>6</b>	<b>Warranty Requirement</b>	As per IRS General condition.		
<b>7</b>	<b>Make</b>	GAGE BILT PRODUCTS CORPN or similar.		
<b>8</b>	<b>Special Conditions if any</b>	Sources recommended by RDSO or having firms having past supply experience of this item in Railways or with Wagon Building companies will only be considered		