

EXTRICATION & ACCESS EQUIPMENT (CSSR)

37. ANGLE CUTTER (ELECTRIC) 14"



Specifications of Angle Cutter

1. Electric Motor operating in range of 230 Volts, 2600 watts + 10% power rating, with a maximum no load speed of **4900rpm** + 10% and full load speed up to **3000 rpm**+ 10% 15 Ampere three core electrical cord of 5 meter length with three pin plug will be provided.

2. The saw is to mount replaceable 12" (300mm) diameter diamond tipped or tungsten carbide tipped blade **not more than** 25 mm arbor. The saw should be able to cut to a minimum depth of 100mm. One tungsten carbide tipped blade will be provided as an integral component of the equipment.

3. It should be possible to adjust the position of the tool body through a minimum of 70 degrees independently of the cutting depth. It should also be possible to remove the tool base for cutting closer to walls and should be provided with guide wheels on the tool guard to ensure smooth travel over the surface material.

4. Operator Comfort and Safety Provisions

a) A vacuum port for removal of the dust and debris as well as shield for keeping debris away from the operator will be provided.

b) A system for disengaging gears from motor to minimize effect of kickbacks will be provided to ensure operator safety.

c) **Optional .**

d) A rubberized wrap around handle will be provided.

5. Accessories

The following accessories will be provided with each set:-

a) One spare tungsten carbide tipped blade and **two continuous rim diamond tipped blades.**

b) Carrying case

c) Tool kit

d) Operation and Maintenance manual

Technical Specifications along with TDs of Battery-Operated Angle Cutter



S.No.	Specifications	Trial Directives
1.	Min 40 V, 08 Ah li-ion battery No load speed- 3000 to 5000 rpm	BOO to check and verify the parameters through lab test reports of Govt/ NABL accredited lab.
2.	Blade diameter- Min 235 mm Arbor- No Change Minimum cutting depth- Min 75 mm One tungsten carbide tipped blade will be provided as an integral component of the equipment.	BOO to physically check and verify the parameters
3.	It should be possible to adjust the position of the tool body through a minimum of up to 45° independently of the cutting depth.	BOO to physically check and verify the parameters
4.	a. No Change b. Point may be deleted c. No Change d. A suitable stable grip around the handle will be provided	BOO to physically check and verify the parameters through OEM certification.
5.	Accessories The following accessories will be provided with each set:- a) One spare tungsten carbide tipped blade b) Two continuous rim diamond tipped blades & two metal cutting blades c) Carrying case d) Tool kit e) Operation and Maintenance manual	BOO to check and verify the accessories as mentioned in specifications
6.	Operating Temp- -15 to +50 °C	BOO to check & verify the parameter through Govt/NABL accredited lab test report for the parameter
7.	Technical Specification for Battery a. Number of batteries supplied- 02 (01 Main and 01 Reserve)	a. BOO to physically check the parameter. For b, c & d, BOO to check & verify the parameters through OEM certificate

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S.No.	Specifications	Trial Directives
	b. Battery Voltage- Min 40 V c. Battery Capacity- Minimum 8Ah high output battery d. Battery type- Li-ion	
8.	Uniform charging and discharging- Yes	BOO to verify through Govt/NABL approved lab test report.
9.	Overload Voltage protection- Yes	BOO to verify through Govt/NABL approved lab test report.
10.	Battery Level Indicator- Yes Battery weight- Max 02 Kg	BOO to physically check the parameter.
11.	Suitable moulded plastic case/light Metal case- Yes	BOO to physically check the parameter & verify through OEM certificate.
12.	Service warranty-10 Years Cost free warranty -01 Year	BOO to physically check the parameter & verify through OEM certificate/Undertaking.
13.	Certification- BIS/EN/CE	Compliance certification to be produced by Firms/OEM for BIS/EN. Firm/OEM to provide IEC 62133 or BIS 16046- test reports.
14.	Technical Specification of Charger a. Charger Input Voltage- 220-240 V 50 Hz b. Quick Charge Current- 5 to 15 A c. Charging Time- Maximum 140 Min d. Charging Status Indicator- Yes e. Weight of fast charger- Max 3 Kg	For a to d, BOO to check the parameter & verify through OEM certificate. For e, BOO to physically check and verify the weight
	Other features to include- a) Dual action trigger b) Large metal chip/Dust collector c) Battery protection against overloading d) LED lights for better information of work area	For a) & c) BOO to physically check the parameter. For b) BOO to check & verify the parameter through lab test report of Govt/NABL accredited lab

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S.No.	Specifications	Trial Directives
	e) Guide rail capability for precision cutting	
	Other Accessories a) No Change b) Grease (100 ML) and Lubricants c) Safety and Warning Labels d) Any other accessories required with the equipment	BOO to physically check and verify all the accessories.
	Equipment Weight:- not more than 8 Kg.	








