

Battery operated Bar Cutter

S/No.	Parameter	Proposed Specification	Trial Directives
1.	General	Battery operated rebar cutter is used for cutting of standard rebars used in construction	-
2.	Cutting Capacity range	Minimum 20 mm diameter rebar	BOOs to physically check on 20 mm rebar
3.	Motor Type	Brushless DC Motor	BOOs to physically check the parameter and verify through OEM certificate.
4.	Power Source	Rechargeable Lithium-Ion Battery	BOOs to physically check the parameter
5.	Battery Voltage	Minimum 18V	BOOs to physically check the parameter
6.	Battery Capacity	Minimum 6.0 Ah	BOOs to physically check the parameter
7.	Battery Backup	Minimum 100 cuts per full charge on 20 mm diameter rebar	BOOs to physically check the parameter
8.	Battery Charging Time	Maximum 90 minutes for full battery charging	BOOs to physically check the parameter and verify through OEM certificate.
9.	Body Design	Ergonomic, Anti-slip grip, Vibration-resistant, Portable	BOOs to physically check the parameter and verify through OEM certificate.
10.	Safety Features	Overheat Protection, Spark free cutting	BOOs to physically check the parameter and verify through OEM certificate.
11.	Accessories	Minimum 02 Batteries, 01 fast charger, Maintenance Tool kit, Wrench, Hex wrench Or any other equipment related tool kit	BOOs to physically check the parameter
12.	Cutting Time (sec)	Maximum 10 seconds for 20 mm rebar	BOOs to physically check the parameter
13.	Cutting Blade Life	Minimum 4000 cuts before needing to be replaced	BOOs to physically check the parameter and verify through OEM certificate.
14.	Blade Material	Hardened Steel replaceable cutting blades	BOOs to physically check the parameter and verify through OEM certificate


DC NDRF


IG NDRF


DIG (Ops),
NDRF


DC, 08 BN
NDRF


DC, 16 BN
NDRF


AFA,
NDMA


DC, CISF
FIRE

15.	Ingress Protection (IP Rating)	IP54 or better	BOOs to physically check the parameter and verify through OEM certificate.
16.	Warranty	Minimum 01-year standard manufacturer warranty	BOOs to physically check the parameter and verify through OEM certificate.
17.	Weight (Kg) with battery	Maximum 12.0 Kg	BOOs to physically check the parameter
18.	Cutting head rotation angle	360 degrees for different cutting positions	BOOs to physically check the parameter
19.	Side handle rotation range	360 degree to allow operator to hold tool at most comfortable position	BOOs to physically check the parameter
20.	Battery indicator	Yes	BOOs to physically check the parameter
21.	Carrying case	Customized ABS case made with a PU foam layer inside	BOOs to physically check the parameter
22.	Spare and Service support	For Minimum 07 years	Firm to provide undertaking

Signature
~~DG NDRF~~ ~~IG NDRF~~

Signature
DIG (Ops),
NDRF

Signature
DC, 08 BN
NDRF

Signature
DC, 16 BN
NDRF

Signature
AFA,
NDMA

Signature
DC, CISF
FIRE