

## INVITATION OF EXPRESSION OF INTEREST (EoI) FOR NDRF EQUIPMENT

1. NDRF is the lead federal force responsible for responding to all types of natural and man-made disasters NDRF acknowledge the importance of having reliable equipment to enhance the efficiency and effectiveness of rescue operations.
2. NDRF now intends to procure Disaster Management equipment for each of its 16 Units/Academy Accordingly, NDRF has prepared a draft technical specification for the following Battery Operated DM equipment required to enhance the efficiency and effectiveness of rescue operations: -

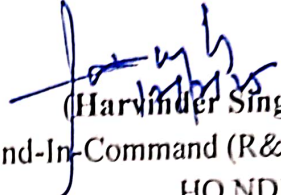
S/No	Equipment Name
a.	Battery Operated Bullet Chain Saw
b.	Battery Operated Chipping Hammer (Medium)

3. The draft specifications are appended as **Appendix- A**.
4. In this context, NDRF invites Expressions of Interest (EoI) from eligible manufacturers, suppliers and vendors to submit their comments and suggestions. In case these specifications do not match with the available equipment in the market, the same may be highlighted and the specification of the equipment available in the market may kindly be provided with the same functionality. The purpose of the EoI document is to provide necessary information to NDRF so that genuine and generalized specifications can be framed and finalized for further procurement, and no gap exists in the specifications of the items available in the market out the specifickness floated in the bid by NDRF.
5. This EOI is not an offer by NDRF or a tender document but it is an invitation to receive responses from eligible manufacturers, suppliers, and vendors in the industry the draft specification framed by NDRF.
6. Eligibility Criteria: The minimum eligibility criteria for an entity to participate in the EoI is as follows: -
  - i. The entity must be a manufacturer or vendor/supplier/dealer registered in India under relevant applicable Acts and Laws.
  - ii. The entity must have some experience in the supply of such equipment.
  - iii. NDRF may call manufacturers, suppliers and vendors to conduct the demonstration/field trial of such equipment if needed before finalizing the specification
7. Documents to be submitted: The following documents are required to be submitted as part of the response to this EoI.
  - i. Documents supporting Eligibility Criteria as mentioned above.
  - ii. List of equipment catalogue with detailed technical specifications along with estimated cost if possible.
7. Eligible manufacturers, suppliers and vendors who have the competence and experience to carry out such work are requested to submit the suggestion/comments (EoI) along with supporting documents within 21 days.

(Cont./P-2)

**-Important timelines-**

Event	Timeline
Last date of submission of responses	Within 21 Days Email:- <a href="mailto:rd-cell.ndrf@gov.in">rd-cell.ndrf@gov.in</a> , <a href="mailto:deproccell-ndrf@gov.in">deproccell-ndrf@gov.in</a>

  
(Harvinder Singh)  
Second-In-Command (R&D)  
HQ NDRF

No. 1-17018/R&D/Bty-Optd/115355 /SRC//HQ NDRF/2014/64 Dated 12/02/2025

**Copy to:-**

- |  |   |
|--|---|
| 1. PS to DG NDRF   | : For kind info to DG NDRF, please                |
| 2. PA to IG, NDRF  | : For kind info to IG NDRF, please                |
| 3. PA to DIG (Proc.), HQ NDRF  | : For kind info to DIG (Proc.) NDRF, please       |
| 4. Proc. Branch, HA NDRF   | : For kind info, please.                          |
| 5. IT Cell, HQ NDRF  | : For kind info & request upload the EoI document |
| Email:- <a href="mailto:website.ndrf@gov.in">website.ndrf@gov.in</a> | along with the draft specification on NDRF        |
|  | website for 21 Days.                              |

**Bid Document/ बिड दस्तावेज़**

<b>Bid Details/बिड विवरण</b>	
<b>Bid End Date/Time/बिड बंद होने की तारीख/समय</b>	05-03-2025 20:00:00
<b>Bid Opening Date/Time/बिड खुलने की तारीख/समय</b>	05-03-2025 20:30:00
<b>Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)</b>	180 (Days)
<b>Ministry/State Name/मंत्रालय/राज्य का नाम</b>	Ministry Of Home Affairs
<b>Department Name/विभाग का नाम</b>	Central Armed Police Forces
<b>Organisation Name/संगठन का नाम</b>	National Disaster Response Force (ndrf)
<b>Office Name/कार्यालय का नाम</b>	Hq Ndrf New Delhi
<b>क्रेता ईमेल/Buyer Email</b>	rd-cell.ndrf@gov.in
<b>Total Quantity/कुल मात्रा</b>	1
<b>Item Category/मद केटेगरी</b>	Eol for Battery Operated Bullet Chain Saw & Chipping Hammer (Medium)
<b>GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS</b>	Eol for Battery Operated Bullet Chain Saw & Chipping Hammer (Medium)
<b>GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS</b>	Category not available on GeM for the text string uploaded by the buyer
<b>अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification</b>	<ul style="list-style-type: none"> <li>• Chipping hammer heavy weight</li> <li>• Chipping hammer medium weight</li> <li>• Carbide Chain Saw</li> </ul>
<b>MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है</b>	Yes
<b>Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है</b>	Yes
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

Bid Details/बिड विवरण	
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Single Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

#### EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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#### ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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#### MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	No
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#### MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

#### Pre Bid Detail(s)

Pre-Bid Date and Time	Pre-Bid Venue
20-02-2025 15:00:00	HQ NDRF, NDCC-II Building, jai Singh Road New Delhi

#### EoI For Battery Operated Bullet Chain Saw & Chipping Hammer (Medium) ( 1 the number pi )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	<a href="#">Download</a>
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#### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Harvinder Singh	110001,HQ DG, NDRF, 6TH FLOOR, NDCC-II BUILDING, JAI SINGH ROAD, NEW DELHI	1	15

#### Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

##### 1. Generic

**OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 % of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

## 2. Turnover

**OEM Turn Over Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

## Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to



such representations.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action

in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

**---Thank You/धन्यवाद---**

### 1. Battery Operated Bullet Chain Saw

S.No	Present Specification		Proposed Battery Operated Specifications	Trial Directives
1.	Chain saw are petrol engine-driven saws designed to cut through different building materials like timber, masonry, metal sheet, FRP, PVC etc (but not concrete) these are extremely useful for first responders for inspection, ventilation and obtaining access to victim during CSSR and for other tasks relating to extrication and recovery during natural and man-made disasters.		Battery-driven chain saw saws designed to cut through different building materials like timber, masonry, metal sheet, FRP, PVC etc (but not concrete) for inspection, ventilation and obtaining access to victim during CSSR and for other tasks relating to extrication and recovery during natural and man-made disasters.	BOO to physically check the equipment.
2.	Engine	Two-stroke, single-cylinder, air-cooled petrol engine	18 V - 40 V DC Battery	BOO to check and verify through OEM certification.
3.	Displacement within 100 cc generating power	Between 5 to 6.5 Hp	18-40 Volt Platform minimum 8Ah Lithium-Ion Single Battery unit	BOO to check and verify through OEM certification.
4.	Engine speed	Between 10000 to 14000 RPM at no load	No change	BOO to check and verify through OEM certification
5.	Chain speed	Between 25 to 30 m/s	10 to 30 m/s	BOO to check and verify through OEM certification.
6.	a. Ignition system  b. Guard bar length	a. Electronic with easy preferably one button starts up (to be specified).  b. 16 Inch- one-piece construction	a. One button starts up  b. No Change	BOO to physically check and verify the parameter
7.	Cutting Chain	Carbide tipped with locking key and solid bullet rake gauge of size 404 pitch .063 Gauge with heavy duty tie straps and tempered rivets. Fully automatic and adjustable chain lubrication system. Automatic chain	Chain Gauge (in inch")-0.042-0.044"  Chain Pitch- .063"	BOO to check & verify the parameter through OEM certification



		broke system for quick stoppage when required. Arrangements for adjusting chain tension should be available.		
8.	Provision for setting	Should have provision for setting and adjusting depth of cut.	No Change	BOO to physically check and verify the parameter
9.	Operator Safety and comfort	Full wrap handle and arrangement for reducing vibration to be specified.	No Change	BOO to physically check and verify the parameter
10.	Engine	Two-stroke, single-cylinder, air-cooled petrol engine	18 V-40 V Battery	BOO to physically check and verify the battery ratings
11.	Weight	Within 12 kg	Maximum 09 kg with battery	BOO to physically measure and verify the weight.
12.	Noise level	Less than 110 dB @ 1 meters	No Change	BOO to check and verify through lab test report of Govt/ NABL accredited lab
13.	Depth of cut	6" to 8"	No Change	BOO to physically check and verify the parameter.
14.	Fuel tank capacity	0.70 to 1 litre	Not applicable for battery-operated equipment.	
15.			<b>Accessories</b> <ul style="list-style-type: none"> <li>• Operator's Manual</li> <li>• Tool Kit</li> <li>• Chain Guide Bar</li> <li>• Chain Cover</li> </ul>	BOO to physically check and verify
16.	Certification		<b>BIS/EN</b>	BOO to check certification provided by OEM.

17.	Warranty/ guaranty		One year	BOO to check undertaking provided by OEM.
18.	Service support		9-year service support	BOO to check undertaking provided by OEM.
19.			<b>Operating Temp-</b> -15 to +50 °C	BOO to check & verify the parameter through Govt /NABL approved lab test report for operating temperature & Environmental test in extreme conditions.
20.			<b>Technical Specification for Battery</b>  a. Number of batteries supplied- 01 no. – Main and 01 no. – Reserve b. Battery Voltage- 18V -40V c. Battery Capacity- Minimum 8Ah high output battery d. Battery type- Li-ion	a) BOO to physically check the parameter.  b), c) & d) BOO to check & verify the parameters through Govt/ NABL approved lab test report
21.			Uniform charging and discharging - <b>Yes</b>	BOO to verify through Govt/ NABL approved lab test report.
22.			Overload Voltage protection- Yes	BOO to verify through Govt/ NABL approved lab test report.
23.			Battery Level Indictor- Yes Battery weight- Max 2 Kg	BOO to physically check the parameter.
24.			Suitable moulded plastic case/light Metal case- Yes	BOO to check & verify the parameter through OEM certificate.
25.			Service warranty-10 Years Cost free warranty -01 Year	BOO to physically check the parameter & verify through OEM certificate.
26.			Certification- BIS/EN	Compliance certification to be produced by Firms/OEM for BIS/EN.

				Firm/OEM to provide IEC 62133 or BIS 16046- test reports.
27.			<b>Technical Specification of Charger</b> <b>Charger Inger Input Voltage- 220-240 V 50 Hz</b> <ul style="list-style-type: none"> <li>a. Quick Charge Current- 5 to 15 A</li> <li>b. Charging Time- 100 to 140 Min</li> <li>c. Charging Status Indicator- Yes</li> <li>d. Weight of fast charger- Max 800 gm</li> </ul>	BOO to check & verify the parameters a, b & c through OEM certificate  BOO to physically check the weight using calibrated weighing scale.
28.			<b>Other features may include -</b> <ul style="list-style-type: none"> <li>a) Dual action trigger</li> <li>b) Large metal chip/Dust collector</li> <li>c) Battery protection against overloading</li> <li>d) LED lights for better information of work area</li> <li>e) Guide rail capability for precision cutting</li> </ul>	a), b) d) & e) BOO to physically check the parameter. c) BOO to check & verify the parameter through OEM certificate for battery protection against overloading.
29.			<b>Other Accessories</b> <ul style="list-style-type: none"> <li>a. Operator's Manual</li> <li>b. Grease and Lubricants</li> <li>c. Safety and Warning Labels</li> <li>d. Any other accessories required with the equipment</li> </ul>	BOO to physically check all the accessories.

## **2. Battery Operated Chipping Hammer (Medium)**

<b>S.No.</b>	<b>Present Specification</b>	<b>Proposed Specifications</b>	<b>Trial Directives</b>
1.	With adjustable bits		BOO to physically check and verify.
2.	Chiselling impact rate – 900 to 1900 bpm	900-1700 bpm	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
3.	Single impact force – 15J to 25J	15-25 J	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
4.	Power input: - 1000 w – 1900 w	18 -40 V DC Min 08 Ah battery	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
5.	Weight: - 08 to 12 Kgs (can be easily operated by single rescuer on all type of site and at all angles)	No change	BOO to physically measure the weight using calibrated weighing scale.
6.	Voltage required – 220V-240V		-
7.	Light in weight, Shock proof body with required accessories, lubricant & electric cord of equipment not less than 4 mtr in length with 10/15 Amp 3 pin convertible into 2 pin plugs.	Shock proof body with required accessories & lubricants. Rest not required	BOO to check and verify the parameter through Lab test report of Govt/ NABL accredited lab
8.	Equipment must have a dust seal to protect from entering of dust inside the machine.	No Change	BOO to physically check and verify the parameter
9.	Eqpt. Should be certified from national BSA/international (EPTO) agencies.	No Change	Compliance certification to be produced by Firm/OEM
10.	Noise level: - not more than 120 Db.	No Change	BOO to check & verify the parameter through Lab test report of Govt/ NABL accredited lab
11.	Easy to operate SUITABLE on/off SWITCH.	No Change	BOO to physically check and verify the parameter

12.	Equipment must have active vibration absorbing system (AVAS) and should fulfil adequate safety norms as per international standard.	No Change	BOO to check and verify the safety norms certificate as per international norms and lab test report for AVAS
13.	Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Greece, spare EAR plugs, dust cap.	No Change	BOO to physically check and verify.
14.	Chipping hammer bit flat: a) Bit length not less than 28 cm & 41cm  b) Bit diameter should match with the size of bit  c) Material high tensile steel.	No Change	BOO to physically check the parameter & verify with OEM certificate.
15.	Chipping hammer bit pointed: a) Bit length not less than 28 cm & 41cm  b) Bit diameter should match with the size of bit locker of the equipment.	No Change	BOO to physically check and verify the parameters.
16.		<b>Operating Temp-</b> -15 to +50 °C	BOO to check & verify the parameter through lab test report of Govt/ NABL approved lab for operating temperature & Environmental test in extreme conditions.
17.		<b>Technical Specification for Battery</b>  a. Number of batteries supplied- 01 no. –Main and 01 no. – Reserve	a) BOO to physically check the parameter.

		b. Battery Voltage- 18V -40V c. Battery Capacity- Minimum 8Ah high output battery d. Battery type- Li-ion	b), c) & d) BOO to check & verify the parameters through lab test report of Govt/ NABL approved lab
18.		Uniform charging and discharging - <b>Yes</b>	BOO to verify through Govt/NABL approved lab test report.
19.		Overload Voltage protection- Yes	BOO to verify through Govt/NABL approved lab test report.
20.		Battery Level Indicator- Yes Battery weight- 1-2 Kg	BOO to physically check the parameters
21.		Suitable moulded plastic case/light Metal case- Yes	BOO to check & verify the parameter through OEM certificate.
22.		Service warranty-09 Years Cost free warranty -01 Year	BOO to physically check the parameter & verify through OEM certificate/Undertaking
23.		Certification- BIS/EN	Compliance certification to be produced by Firms/OEM for BIS/EN. Firm/OEM to provide IEC 62133 or BIS 16046- test reports.
24.		<b>Technical Specification of Charger</b> <b>Charger Input Voltage- 220-240 V 50 Hz</b> a. Quick Charge Current- 5 to 15 A b. Charging Time- 100 to 140 Min c. Charging Status Indicator- Yes d. Weight of fast charger- Max 800 gm	BOO to check & verify the parameters through Govt/ NABL approved lab test report/OEM certificate.  BOO to physically check the weight using calibrated weighing scale.
25.		<b>Other features may include -</b> a) Dual action trigger b) Large metal chip/Dust collector c) Battery protection against overloading	a), b) d) & e) BOO to physically check the parameter.  c) BOO to check & verify the parameter through OEM certificate

		d) LED lights for better information of work area e) Guide rail capability for precision cutting	
26.		<b>Other Accessories</b> a. Operator's Manual b. Grease and Lubricants c. Safety and Warning Labels d. Any other accessories required with the equipment	BOO to physically check all the accessories.