

**Madhya Pradesh**  
**Headquarters SDERF MP**

Infront of police officer mess Noorbag camp jahangirabad, Bhopal-462008 (M.P.)

**e-Tender For**

***Souring System 15 nos***

(RFP Identification No. 143 /2025, Bhopal, Date: 18 /02/2025)

Documents download/Sale Start Date : 18/02/2025 from 1800 Hrs  
Bid Submission Start Date : 18/02/2025 from 1830 Hrs  
Bid Submission End Date : 04/03/2025 up to 1500 Hrs  
Bid will be Opened on Date : 05/03/2025 at 1530 Hrs

**DG HG/CD/DM**

**Through DIVISIONAL COMMANDANT (SDERF)**

**Noorbag camp jahangirabad, Bhopal M.P.**

**Phone: 7049163458**


**E-mail: sangita.devendra@mp.gov.in**

**Reference : Notice Inviting Tender (NIT) :**

**HEADQUARTER, SDERF M.P.,**  
**Noorbag camp jahangirabad, Bhopal M.P.**

**Phone: 7049163458**

**E-mail: sangita.devendra@mp.gov.in**

  
संगीता डी. कुमार  
संभागीय सेनानी  
एस.डी.ई.आर.एफ. भोपाल

# Madhya Pradesh Headquarters SDERF MP

Infront of police officer mess Noorbag camp jahangirabad, Bhopal-462008 (M.P.)

No. / 144 /mp.T./DM/2025,

Dated: 18/02/2025

## e-Tender Notice

e-Tender/Sealed tenders are invited by Divisional commandant SDERF MP Bhopal on behalf of DG/HG/CD/DM MP Bhopal for the following items

S.No.	ITEM NAME	QTY.	Required EMD Rs.	Tender Fee Rs.
1	<b>SOURING SYSTEM 15 NOS</b>	15	4,95,000	10,000/-

1. Cost of tender documents (Tender Fee) is non-refundable and cannot be exempted in any condition.
2. The Tender should be submitted online on website <https://www.mptenders.gov.in> in favour of Divisional Commandant MP, Bhopal within scheduled date and time. Tender fees and EMD should be deposited online through the website.
3. Tender documents are also available on the website of Homeguard ([www.homeguard.mp.gov.in](http://www.homeguard.mp.gov.in)) for ready reference.
4. Schedule:-
5. Documents download/Sale Start Date : 18/02/2025 from 1800 Hrs
6. Bid Submission Start Date : 18/02/2025 from 1830 Hrs
7. Bid Submission End Date : 04/03/2025 up to 1500 Hrs
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(Sangeeta D. Kumar)

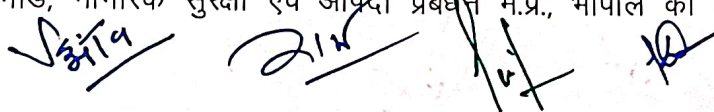
Divisional commandant (SDERF MP)

Email: [sangita.devendra@mp.gov.in](mailto:sangita.devendra@mp.gov.in)



## निविदा की शर्तें:-

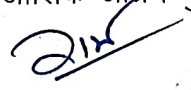
1. ई-निविदा निर्धारित अंतिम तिथि 04/03/2025 के समय 1500 बजे तक ऑनलाइन वेबसाइट <https://www.mptenders.gov.in> पर अपलोड किया जाना अनिवार्य है। ऑनलाइन अपलोड की गई निविदाकारों की ई-निविदा को ही निविदा प्रक्रिया में शामिल किया जावेगा।
2. उपकरण/सामग्री का उत्पादन किस कम्पनी द्वारा किया गया है, उसका नाम एवं किस स्थान पर उत्पादित/सेवाएँ किया गया है, इसका भी उल्लेख किया जावे, साथ ही उत्पादन वर्ष का उल्लेख किया जावे।
3. फर्म का विगत 03 वर्षों का औसत वार्षिक टर्न ओवर राशि रु. 50 लाख होना आवश्यक है एवं यह दस्तावेज CA द्वारा सत्यापित होना चाहिए, जिसमें UDIN होना आवश्यक है। फर्म की नेट वर्थ पॉजिटिव होना चाहिए।
4. ई-निविदा में दर्शाये अनुसार सुरक्षा निधि की राशि संभागीय सेनानी एसडीईआरएफ मध्य प्रदेश, भोपाल के नाम से आवश्यक रूप से ऑनलाइन जमा करना अनिवार्य है।
5. प्री-क्वालिफिकेशन ई-निविदा में चेकलिस्ट, टेण्डर फार्म-I, से V में दिये गये सभी आवश्यक दस्तावेजों की प्रति (पंजीयन प्रमाण पत्र, जी.एस.टी पंजीयन, जी.एस.टी. रिटर्न, क्रयादेशो की प्रति, इनकम टैक्स रिटर्न आदि) ऑनलाइन अपलोड करना होगा।
6. प्री-क्वालिफिकेशन ई-निविदा में उपयुक्त पाई गई निविदाकर्ताओं की तकनीकी निविदाएं खोली जावेंगी। तकनीकी रूप से उपयुक्त पाई गई निविदाकर्ताओं की व्यवसायिक ई-निविदाएं खोली जावेंगी। निविदाएं खोलने की सूचना ऑनलाइन दी जावेगी।
7. तकनीकी ई-निविदा में टेक्नीकल फार्म-VI, / वारण्टी सर्टिफिकेट फार्म-VII तथा स्पेसिफिकेशन शीट ऑनलाइन अपलोड करने होंगे।
8. व्यवसायिक ई-निविदा में फार्म-VIII अपलोड करना होगा, जिसमें सामग्री की कीमत कर सहित भरी जावें। उपकरण/सामग्री की दरें ऑनलाइन BOQ (Financial Bid) में भरी जावें।
9. ऑनलाइन कामर्शियल निविदा अपलोड करते समय सामग्री की कीमत समस्त कर सहित भरी जावें। एल-1 फर्म का निर्धारण उपकरण/सामग्री की कुल कीमत (समस्त कर/अति. व्ययभार सहित) के आधार पर किया जायेगा। ऑनलाइन कामर्शियल निविदा खोलते समय वेबसाइट से डाउनलोड किये गये कम्पैरेटिव चार्ट में अंकित दर अनुसार कुल उपकरण/सामग्री कर सहित की न्यूनतम दर के आधार पर एल-1 फर्म का निर्धारण किया जावेगा।
10. असफल निविदाकारों की सुरक्षा निधि वापस कर दी जावेगी। सफल निविदाकार को ई-निविदा स्वीकृत होने के उपरान्त प्रदाय आदेश जारी होने पर अनुबंध-पत्र के साथ सामग्री के कुल मूल्य का 03 प्रतिशत राशि की एफ.डी. आर/बैंक गारण्टी सुरक्षा निधि के रूप में वारण्टी अवधि के लिये 15 दिवस के अंदर जमा कराना आवश्यक होगी। उक्त 03 प्रतिशत सुरक्षा निधि जमा करने पर निविदा के साथ जमा की गई सुरक्षा निधि वापस कर दी जावेगी।
11. ई-निविदा शुल्क ऑनलाइन जमा करना होगा तथा किसी भी दशा में वापस नहीं होगा।
12. नियमानुसार केवल मध्यप्रदेश के सूक्ष्म एवं लघु उद्यमों एवं स्टार्ट अप को ई-निविदा प्रस्तुत करने हेतु प्रतिभूति राशि के भुगतान से छूट रहेगी। छूट के लिये वैध प्रमाण पत्र ऑन-लाइन अपलोड करना होगा। मध्यप्रदेश भण्डार क्रय नियम 2022 (संशोधित) के नियम 14.1 के अनुसार ईएमडी से तभी छूट की पात्रता होगी जब फर्म चाहे गये **Product** के निर्माण (Manufacturur) हेतु MSME/SSI में रजिस्टर्ड हो।
13. निविदा खोले जाने के पश्चात् निविदाकारों द्वारा प्रस्तुत निविदा में प्रस्तावित उपकरण/सामग्री के स्पेसिफिकेशन (प्रस्तुत डाटा शीट), निविदा के निर्धारित स्पेसिफिकेशन के अनुरूप न पाये जाने पर संबंधित निविदाकारों की व्यवसायिक ई-निविदा नहीं खोली जाकर, उन्हें अंतिम निविदा में शामिल नहीं किया जायेगा।
14. सामग्री का कार्य निविदाकार को अपने वर्क शॉप अथवा विभाग द्वारा निर्धारित किये गये स्थल पर प्रदाय करना होगा उक्त कार्य हेतु सम्पूर्ण जिम्मेदारी/जवाबदारी सफल निविदाकार की होगी।
15. किसी भी प्रकार की संशय की स्थिति में कार्यालय समय में आकर संभागीय सेनानी एसडीईआरएफ भोपाल से जानकारी प्राप्त कर ली जावेगी।
16. निविदाकार/ओईएम/रिसेलर का पिछले 05 वर्षों में किसी भी अन्तराष्ट्रीय/राष्ट्रीय/राज्य, सरकार/सार्वजनिक क्षेत्र के उपक्रम (PSUs) एवं पब्लिक लिस्टेड कम्पनी में उपकरण/सामग्री प्रदाय करने का 50 लाख विक्रय का अनुभव होना चाहिए, इसके लिए फर्म को क्रयादेश/प्रदाय आदेश/कंप्लीशन सर्टिफिकेट की प्रति साक्ष्य के रूप में संलग्न करना होगा।
17. निविदाकर्ता को प्रतिष्ठान का पंजीयन क्रमांक, दुकान स्थापना अधिनियम के तहत प्रमाण-पत्र, आयकर, विक्रय-कर (GST) पंजीयन क्रमांक अंकित करने के साथ-साथ वर्तमान में वैध आयकर एवं जी.एस.टी. अदायगी का अभिप्रमाणित प्रमाण-पत्र ई-निविदा में अपलोड करना होगा। उक्त सभी प्रमाण-पत्र अद्यतन होना आवश्यक है।
18. कोई भी ई-निविदा बिना कारण बताये पूर्णतः अथवा अंशतः स्वीकृत या अस्वीकृत करने का पूर्ण अधिकार महानिदेशक, होमगार्ड, नागरिक सुरक्षा एवं आपदा प्रबंधन म.प्र., भोपाल को होगा। सबसे कम दर की ई-निविदा

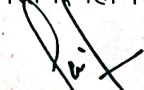


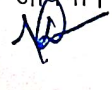


- स्वीकृत करने के लिए महानिदेशक, होमगार्ड, नागरिक सुरक्षा तथा आपदा प्रबंधन म.प्र., भोपाल बाध्य नहीं होंगे और न ही इस संबंध में कोई पत्राचार स्वीकार किया जायेगा।
19. निविदा महानिदेशक होमगार्ड, नागरिक सुरक्षा एवं आपदा प्रबंधन के अनुमोदन उपरांत ही मान्य होगी तथा निविदा की दरें व्यवसायिक निविदा खुलने की दिनांक से 06 माह तक वैध होगी।
  20. निविदाकर्ता को ई-निविदा मान्य होने की स्थिति में क्रयादेश जारी होने के 15 दिवस के अन्दर रुपये 1000/- के मध्यप्रदेश से क्रय किये गये नॉन ज्यूडिशियल स्टाम्प पर विधिवत रूप से अनुबंध पत्र तैयार कराया जाकर हस्ताक्षर/पदमुद्रा सहित दो प्रतियों में इस कार्यालय में अनिवार्य रूप से उपस्थित होना होगा।
  21. सुरक्षा निधि (03 प्रतिशत) की राशि वारंटी अवधि समाप्त होने के दो माह पश्चात् ही वापस की जावेगी।
  22. उपकरण/सामग्री के क्रयादेश दिनांक से 60 दिवस के में सामग्री सप्लाई करना होगी, कार्य पूर्ण उपरान्त मय देयक के साथ प्रदान करना होगा।
  23. प्रदायित उपकरण/सामग्री निर्धारित मापदण्ड के अनुरूप नहीं पाये जाने पर स्वीकार नहीं की जावेगी।
  24. सफल निविदाकार को देयक प्रस्तुत करते समय बेसिक कीमत एवं कर की कीमत को देयक में पृथक-पृथक दर्शाना अनिवार्य है।
  25. सामग्री की ऑन साईट सर्विस की वारंटी अवधि final acceptance दिनांक से आगामी 03 वर्ष तक रहेगी।
  26. निविदा प्रकरण में जीएसटी या कर की राशि के संबंध में किसी भी विवाद की स्थिति में एसडीईआरएफ विभाग अतिरिक्त कर अदा करने के लिये जिम्मेदार नहीं होगा तथा इसके लिये निविदाकार स्वयं जिम्मेदार होगा। यदि किसी प्रकार के रिफंड की स्थिति पैदा होती है तो निविदाकार को समस्त राशि विभाग में जमा करना होगी।
  27. विस्तारित प्रदाय अवधि के दौरान जीएसटी/कर की दर में यदि कोई वृद्धि होती है तो वह विक्रेता द्वारा देय होगा और यदि जीएसटी/कर की दर में कोई कमी होती है तो उसका लाभ क्रेता को मिलेगा।
  28. यदि प्रदायकर्ता फर्म निर्धारित अवधि में उपकरण/सामग्री प्रदाय नहीं करती हैं तथा प्रदाय अवधि में विस्तार के लिये अनुरोध भी नहीं करती हैं तो क्रयादेश निरस्त किया जा सकता है तथा प्रदायकर्ता फर्म की सुरक्षानिधि राजसात कर उसका नाम काली सूची/सस्पेंड/डीबारमेंट में एक निश्चित अवधि के लिये दर्ज किया जावेगा। उक्त अवधि में विभाग के द्वारा किसी भी प्रकार के प्रदाय आदेश नहीं दिये जायेंगे।
  29. प्रदाय अवधि का विस्तार एक बार ही किया जावेगा। यदि निर्धारित प्रदाय अवधि/विस्तारित में भी संपूर्ण सामग्री का प्रदाय नहीं किया जाता है तो शेष उपकरण/सामग्री का क्रयादेश निरस्त माना जावेगा। प्रदाय की गई मात्रा के भुगतान में से अप्रदायित सामग्री के मूल्य की 5 प्रतिशत पेनाल्टी प्रदायित उपकरण/सामग्री के देयक में से काटी जायेगी तथा सिक्योरिटी डिपोजिट/परफारमेंस गारण्टी को राजसात किया जावेगा।
  30. यदि प्रदायकर्ता फर्म प्रदाय अवधि में विस्तार के लिए अनुरोध करती है तो विभाग द्वारा गुण-दोष के आधार पर परीक्षण कर प्रदायावधि में विस्तार किया जावेगा। प्रदायावधि में विस्तारण विभाग द्वारा फर्म के अनुरोध पर आवश्यकतानुसार एक ही बार विलंब शुल्क कटोत्रा के साथ अधिकतम 60 दिवस के लिये किया जा सकेगा।
  31. निर्धारित अवधि में प्रदाय की गई सामग्री पर किसी प्रकार का विलंब शुल्क नहीं काटा जावेगा। इसके उपरान्त दी जाने वाली विस्तारित अवधि में प्रदायित सामग्री के मूल्य से विलंब शुल्क का कटोत्रा 0.50 प्रतिशत प्रति सप्ताह की दर से किया जायेगा। यदि पुनः प्रदायावधि विस्तारित की जाती है तो उस अवधि में प्रदाय सामग्री के मूल्य से विलंब शुल्क का कटोत्रा 1 प्रतिशत प्रति सप्ताह की दर से काटा जायेगा। विलंब शुल्क का कटोत्रा कुल क्रय मूल्य के 10 प्रतिशत से अधिक नहीं होगा।
  32. निर्धारित प्रदाय अवधि/विस्तारित प्रदायावधि समाप्त होने के उपरान्त सामग्री/सर्विस का प्रदाय स्वीकार नहीं किया जायेगा।
  33. क्रय की जाने वाली उपकरण/सामग्री की संख्या दर्शायी गई संख्या से कम या अधिक हो सकती है।
  34. ई-निविदा के सभी प्रमाण-पत्र/दस्तावेज वेबसाईट पर निर्धारित अवधि में ही अपलोड किये जावे। प्री-क्वालिफिकेशन ई-निविदा दिनांक 05/03/2025 के 1530 बजे खोली जायेंगी। उक्त ई-निविदा खोलते समय निविदाकर्ता उपस्थित रह सकते हैं। इस दिनांक में यदि कोई परिवर्तन किया जाता है तो इसकी सूचना निविदाकर्ता को ऑनलाइन दी जायेगी।
  35. प्रमाणीकरण हेतु मान्यता प्राप्त संस्थाओं से यदि निविदाकर्ता का उत्पाद प्रमाणित हो तो उक्त प्रमाण-पत्र भी अपलोड किया जावे।
  36. स्पेसिफिकेशन शीट लगाना अनिवार्य है। यदि निविदाकार द्वारा प्रदाय की जाने वाली उपकरण/सामग्री दिये गये स्पेसीफिकेशन से उच्च गुणवत्ता/अतिरिक्त फीचर्स की है, तो इस संबंध में स्पष्ट उल्लेख स्पेसिफिकेशन शीट में किया जावे। उपकरण/सामग्री के स्पेसिफिकेशन निविदा प्रपत्र के साथ एनेक्सर ए पर संलग्न है।
  37. उपकरण/सामग्री के स्वीकृत होने/पूर्ण प्रदाय होने के उपरान्त ही भुगतान किया जायेगा तथा आहरण एवं भुगतान प्रक्रिया में शासकीय व्यवधानों के कारण विलंब भी हो सकता है। विलंब के लिए पृथक से भुगतान नहीं किया जावेगा। किसी भी स्थिति में पूर्ण अथवा आंशिक अग्रिम भुगतान नहीं किया जावेगा।












37. उपकरण/सामग्री के स्वीकृत होने/पूर्ण प्रदाय होने के उपरान्त ही भुगतान किया जायेगा तथा आहरण एवं भुगतान प्रक्रिया में शासकीय व्यवधानों के कारण विलंब भी हो सकता है। विलंब के लिए पृथक से भुगतान नहीं किया जावेगा। किसी भी स्थिति में पूर्ण अथवा आंशिक अग्रिम भुगतान नहीं किया जावेगा।
38. ई-निविदा में विभाग द्वारा चाही गई जानकारी से संबंधित वांछित प्रपत्र ही अपलोड किये जावे, अन्य अवांछित प्रपत्र अपलोड नहीं किये जावे।
39. किसी भी प्रकार के विवाद की स्थिति में न्यायालयीन क्षेत्र भोपाल म.प्र. होगा।
40. निविदा कभी भी किसी भी स्तर पर, महानिदेशक, म.प्र. होमगार्ड नागरिक सुरक्षा तथा आपदा प्रबंधन को निरस्त करने का सम्पूर्ण अधिकार होगा।
41. उपकरण/सामग्री के उपयोग, संचालन, रख-रखाव एवं मरम्मत की, तीन सत्रों में प्रशिक्षण, संबंधित फर्म को इस विभाग द्वारा, निर्धारित किये गये स्थान पर, देना होगी। जिसकी सम्पूर्ण जिम्मेदारी संबंधित फर्म की होगी। जिस हेतु अलग से कोई भुगतान क्लेम नहीं किया जावेगा।
42. उपरोक्त समस्त शर्तों में संशय अथवा विवाद की स्थिति उत्पन्न होने पर महानिदेशक नागरिक सुरक्षा तथा आपदा प्रबंधन भोपाल का निर्णय अन्तिम एवं सर्वमान्य होगा।

नोट :- प्री-क्वालिफिकेशन एवं तकनीकी निविदा से संबंधित सभी फार्म अनुसार दस्तावेज भरना अनिवार्य है एवं निविदा अनुसार समस्त दस्तावेजों को दर्शित क्रम अनुसार ही सुसज्जित कर पृष्ठ क्रमांक अंकित करते हुए पी.डी.एफ. फॉरमेट में अपलोड करें अन्यथा फर्म की निविदा अनुपयुक्त की जा सकती है।



संभागीय सेनानी  
एसडीईआरएफ म.प्र. भोपाल

## Minimum Technical Specification of SOURING SYSTEM 15 NOS

### 1. Product Name: Shoring System

### 2. Uses:

The shoring system shall be versatile and easy to assemble while in emergency for structural collapse providing quick installation and same system shall be used for Vehicle Stabilization. It shall be the set of components which should consist of various lightweight, fully compatible Components made of Aluminium alloy.

### 3. Specification:

The shoring system shall be versatile and easy to assemble, in case of emergency shoring system shall provide quick and reliable stabilization. The Shoring System shall consist of the following individual components combined into a comprehensive, all-in-one, stabilization system for Building Collapses like Structural Shoring, Building Rakers etc. The system shall be able to use for stabilizing Heavy Vehicles, Train, Heavy Loads etc in case of Major accidents or during Natural Calamities. The system shall consist of struts, strut extensions, interchangeable base plates, raker accessories, and pneumatic control equipment.




The Stabilization system must be connectable and reconfigurable through a series of struts, bases, and extensions that combine into an integrated force distribution system. The system must be expandable, adding more shores as needed. It must be able to cope with a variety of angles and placement surfaces. The shoring system shall consist of the following items.




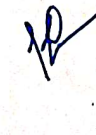
S.No.	Specification	Quantity
A	<b>Mechanical Struts System</b>	
1	The Hydraulic Strut shall have the ability to lift up to 10T with a safety factor of 2:1 and to stabilize up to 9T with a safety factor of 4:1. Hydraulic strut shall be supplied with Pump, Gauge and Hose to Operate. Lifting Height – shall not be less than 250mm. Weight – Shall not be more than 13 Kg.	2
2	A mechanical strut shall consist of a minimum 75mm diameter extruded aluminum alloy tube with a solid aluminum alloy movable shaft. The strut shall have a locking collar and square thread allowing infinite adjustment and full surface contact of the shaft through the collar and the collar full surface contact on the tube to transfer load directly to the ground. All struts shall be hard coat anodized for protection and longevity. All struts must have a colored label denoting strut size for easy strut selection. Struts shall be supplied with following Sizes and working load capacities.	
a	Retracted length: up to 380mm Stroke: up to 70mm	2

*[Handwritten signatures and initials]*


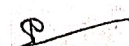
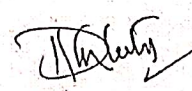







		Weight: Shall not be more than 3kg Working Load: 19.5T at 2:1 Safety Factor and 9.5T at 4:1 Safety Factor	
	b	Retracted length: up to 640mm Stroke: up to 160mm Weight: Shall not be more than 5.5kg Working Load: 19.5T at 2:1 Safety Factor and 9.5T at 4:1 Safety Factor	2
	c	Retracted length: up to 910mm Stroke: up to 270mm Weight: Shall not be more than 7.0kg Working Load: 19.5T at 2:1 Safety Factor and 9.5T at 4:1 Safety Factor	2
	d	Retracted length: up to 1470mm Stroke: up to 530mm Weight: Shall not be more than 10.5kg Working Load: 18T at 2:1 Safety Factor and 9T at 4:1 Safety Factor	2
	e	Retracted length: up to 2240mm Stroke: up to 820mm Weight: Shall not be more than 15kg Working Load: 12T at 2:1 Safety Factor and 6T at 4:1 Safety Factor	2
3	A mechanical Strut Extensions shall be constructed of a minimum 75mm diameter extruded alloy tube hard coat anodized for protection and longevity. Strut Extension shall have a spring-loaded locking pin to permit simple and secure connection to the Strut. Strut extensions shall be supplied with following sizes		
	a	Length: Shall not be less than 300mm Weight: Shall not be more than 2.5Kg	2
	b	Length: Shall not be less than 610mm Weight: Shall not be more than 3.5Kg	2
	c	Length: Shall not be less than 910mm Weight: Shall not be more than 4.5Kg	2
	d	Extension Converter shall be supplied to convert extension into a fixed length strut.	2
4	A heavy-duty Mechanical Struts shall be constructed of a minimum 85mm diameter extruded alloy tube with an aluminum alloy movable shaft. The strut shall have a locking collar and square thread allowing infinite adjustment and full surface contact of the shaft through the collar and the collar full surface contact on the tube to transfer load directly to the ground. All pneumatic fittings shall be made of non-sparking corrosion resistant brass. The locking collar		

		shall be knurled with a non-aggressive textured surface providing enough grip to use with gloved hands.	
	a	Retracted length: up to 1270mm Stroke: up to 360mm Weight: Shall not be more than 10kg Working Load: 19.5T at 2:1 Safety Factor and 9.5T at 4:1 Safety Factor	2
	b	Retracted length: up to 1850mm Stroke: up to 630mm Weight: Shall not be more than 12.5kg Working Load: 19.5T at 2:1 Safety Factor and 9.5T at 4:1 Safety Factor	2
	c	Retracted length: up to 2950mm Stroke: up to 1120mm Weight: Shall not be more than 19kg Working Load: 14T at 2:1 Safety Factor and 7T at 4:1 Safety Factor	4
5		Mechanical Adjustable Braces shall be used in raker systems as hardened connections between struts that resist both compression and extension forces. The adjustable brace must consist of a minimum 85mm diameter extruded aluminum alloy tube with an aluminum alloy movable shaft. The braces shall be hard coat anodized for protection and longevity. The adjustable brace shall have a locking collar directly integrated with the tube and square thread allowing infinite adjustment and full surface contact of the shaft through the collar and tube to transfer load. The brace shall have a knurled collar designed to assist in twist-extending the brace with a non- aggressive textured surface providing enough grip to use with gloved hands. Retracted length: up to 2160mm, Stroke: up to 640mm Weight: Shall not be more than 15kg Working Load: 18T at 2:1 Safety Factor and 9T at 4:1 Safety Factor	7
6		A mechanical Strut Extensions shall be constructed of a minimum 85mm diameter extruded alloy tube hard coat anodized for protection and longevity. Strut Extensions shall be compatible with the 85mm Strut system. Strut Extension shall have a spring-loaded locking pin to permit simple and secure connection to the Strut. Strut Extension shall include a simple, picture-based usage and warning label. Strut Extension labels shall be clearly color-coded denoting strut extension size for easy extension selection.	
	a	Length: Shall not be less than 600mm Weight: Shall not be more than 4.5Kg	



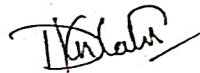









  







	b	Length: Shall not be less than 1200mm Weight: Shall not be more than 7Kg		
	c	Length: Shall not be less than 1700mm Weight: Shall not be more than 9.5Kg		
7		Ground Hinged Base Plates shall be designed to support the strut systems during operation and shall be hard coat anodized for protection and longevity. Base plates shall have a textured, aggressive ground contact surface. They shall have an anchor ring to attach anchoring straps, ratchet belts or chains. The clevis shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts and hinged connector which will allow the clevis to move through a 90- degree range for proper placement and support. Base Plate Size: 305mm x 305mm Angle: up to 45deg each side, Hinged Base Number of Holes: shall not be less than 8. Dia of Hole: 25mm		
8		Square Swivel Base Plates shall be designed to support the Square Rigid Base Plates shall be designed to support the strut systems during operation and be hard coat anodized. Bases shall not be cast or welded upon in any way and shall have a textured, aggressive ground contact surface. The Rigid Base Plates shall have 4 holes large enough to accept a 3" 16 penny nails for securing the bases to strong backs and shoring lumber. The bases shall have a spring-loaded locking pin to permit simple and secure connection to the Struts. Size:152mmX152mm Weight: up to 1.5kg	15	
9		Raker Rail latches shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. The Raker Rail latch shall have a set of pins installed on either side of the steel shaft, sized to interconnect with and lock into the Raker Rail. The clevis shall be compatible with the strut system and be installed with a spring-loaded locking pin to securely connect with the inserted strut. Weight: Shall not be more than 1.5Kg	4	
10		Raker Rails shall be produced of an extruded aluminium alloy, hard coat anodized for protection and longevity. The Raker Rail shall have Latch connection holes every 305mm and holes every 305mm for wall anchors. A sticker with instructional information shall be attached to the Raker Rail. It shall outline Raker assembly best practices and display recommended safe working load tables with height to point of insertion, Raker length, and loads for a fully assembled Raker with x-bracing at both 45 degrees and 60 degrees. Raker Rail Length: shall not be less than 1830mm. Weight: shall not be more than 10kg	4	









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11	Raker JUNCTIONS shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. The Raker Junction shall come with two clevises attached together with a rotating solid steel shaft. The Raker Junction acts as the connection point between the Raker strut and the sole strut into the base plate, as such it must be compatible with the strut system. The sole clevis shall be clearly labelled, to ensure correct sole and Raker strut location. Both clevises shall have spring loaded locking pins to securely attach the sole and Raker struts. Weight: Shall not be more than 4.5kg	2
12	Raker Junction Base shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. The Raker Junction base shall come with two clevises attached together with a rotating solid steel shaft. The Raker Junction base acts as the connection point between the Raker strut and the Clevis base plate, as such it must be compatible with the strut system. The sole clevis shall be clearly labelled, to ensure correct sole and Raker strut location. Both clevises shall have spring loaded locking pins to securely attach the sole and Raker struts. Weight: Shall not be more than 3.5kg	2
13	The clamp and clevis shall be used to connect struts and braces to other struts and braces to form stronger integrated structures. The clamp and clevis shall be compatible with the strut and raker system. It shall connect securely to raker struts or braces to allow cross-bracing with a heavy-duty steel clamp, tightened by a solid stainless-steel puck with integrated washer, allowing quick and simple hand tightening of the system without the use of tools. The clamp and clevis shall attach to struts and braces using a spring-loaded locking pin on the hub.	12
14	Raker Rails Splices shall be produced of an extruded aluminium alloy, hard coat anodized for protection and longevity. The Raker Rail Splice shall interconnect with Raker Rails at the indents allowing a solid mechanical connection of two or more Raker rails into a single continuous piece for reaching high insertion points. The Raker Rail Splice shall allow the Raker Rails to slide into position between two aluminium plates and be locked in place with a heavy duty spring loaded locking pin.	2
15	Raker Angle Bases shall be produced of an extruded aluminium alloy and shall be placed behind the hinged base plate in front of the sole anchor, transferring horizontal load from the base plate and distributing it against the sole anchor. The Raker Angle Base shall have a L shape, the width of the hinged base plate, with a positioning bar securely attached to slot in the back of the hinged base plate and prevent slippage. The Raker Angle Base shall have two notches,	2



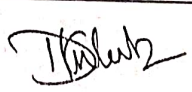









  







	matched to the location of picket holes in the base plate, so that when the base plate is placed into position, the angle base does not interfere with driving pickets through the base plate. The Raker Angle Base shall have 4 holes on sole anchor face large enough to accept a 3" 16 penny nails for securing the bases to shoring lumber.	
16	The Rail Latch Holder shall be a compact storage container for the Raker Rail Latches. The Latch Holder shall have properly spaced indentations to accept the locking pins of the Raker Rail Latch and a handle for easy transport and storage.	1
17	Multi Bases shall be provided to attach to the Rescue Strut during operation and be hard coat anodized for protection and longevity. All bases shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. Bases shall not be cast or welded upon in any way, so as to avoid unpredictable failure points. The bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The Multi Base shall have a multifunction design: a V shape to cradle loads, pointed ends to penetrate into and support loads, and accept 3/8" chain for chain cradles.	4
18	Contour Bases shall be provided to attach to the Rescue Strut during operation and be hard coat anodized for protection and longevity. All bases shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. Bases shall not be cast or welded upon in any way, so as to avoid unpredictable failure points. The bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The Contour Base shall have an inwardly curved shape designed to cradle the load with milled protruding dimples to ensure high friction contact.	4
19	"V" Bases shall be provided to attach to the Rescue Strut during operation and be hard coat anodized for protection and longevity. All bases shall be milled from solid blocks of aluminium to ensure a monolithic structure with predictable, superior strength. Bases shall not be cast or welded upon in any way, so as to avoid unpredictable failure points. The bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The "V" Base shall act as a cradle to support the load and be hard coat anodized for protection and longevity.	4

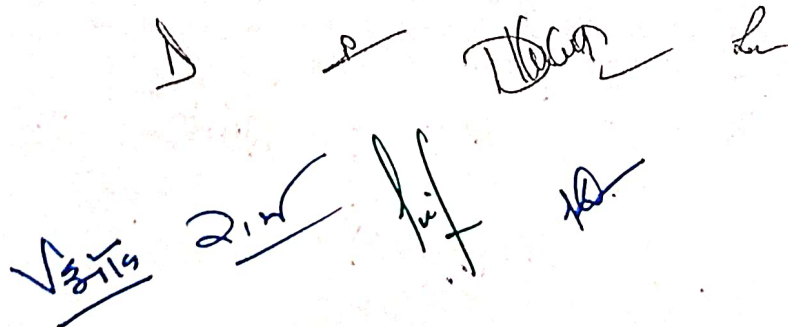




  





20	Multi Bases shall be provided to attach to the Rescue Strut during operation and be hard coat anodized for protection and longevity. Bases shall be milled from solid blocks of aluminum to ensure a monolithic structure with predictable, superior strength. Bases shall not be cast or welded upon in any way, so as to avoid unpredictable failure points. The bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The Base shall have a multifunction design: a V shape to cradle loads, pointed ends to penetrate and support loads, and accept 3/8" chain for chain cradles.	4
21	Ratchet Belts shall have a minimum working load rating of 3,000lbs (1360kg) and have a minimum length of 27 ft (8,2 m). They shall have positive hook fasteners at each end to secure ratchet belts to the load and base plates. The ratchet belts shall incorporate the Anti Belt Slip Step by Step Release System for safe release of belt tension.	6
22	Tie down keys with J-hooks shall be included to create purchase points for the stabilization system on loads.	2
23	Chains shall be a minimum of 20ft (6,1m) long at 3/8" thickness and grade 100 suitable for overhead lifting. Chains shall be used for linking base plates together to create the supporting triangle configuration necessary to support and minimize load shift in a stabilization scenario.	2
24	Double headed picket shall be supplied with 25mm Dia x 1015mm Long. Net weight shall not be more than 4.5kg.	4
25	The controller shall be milled from a solid block of aluminum and hard coat anodized for durability and longevity. The controller shall be equipped with two multi-colored operating gauges, both fully encompassed within the controller housing for protection. The controller must have a self-resetting relief valve to prevent accidental over-pressurization of the strut which activates at 250 psi (17,2 bar). Both the outlets shall be spring-loaded, female, quick-connect couplings. A secondary integral threaded safety lock system shall vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. An internal check valve shall be provided to prevent air from escaping if the inlet hose is cut or damaged. The inflation and deflation system shall be controlled by a pair of anodized aluminum buttons, clearly colored green for inflation and red for deflation. All inflation and deflation shall be controlled with deadman buttons, no twist-valve design shall be used in the	1












  







	<p>controller to prevent accidental over inflation.</p> <p>The controller shall incorporate a simple push button lighting system, to illuminate the pressure gauges in the dark. To preserve batteries, the lighting system shall have an auto shut off function after a few minutes. The light system and battery should be a single unit, easily and economically replaceable in the field.</p>	
26	<p>The Pressure Regulator shall have a self-resetting relief valve to prevent accidental over-pressurization of the strut which activates at 300 psi (20,7 bar) with a flow rate of 9.55 SCFM (270.5 SLM). The Pressure Regulator shall be equipped with a 0-300 psi (20,7 bar) manual adjusting knob and have the ability to vent pressure when adjusting down the pressure (counterclockwise rotation). The Pressure Regulator output shall be a spring-loaded, female, quick-connect coupling. A secondary integral threaded safety lock system shall vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. The Pressure Regulator shall be equipped with a 90° lever shut-off valve to disengage the air flow to the outlet. The lever positions shall be clearly marked with color-coded labels to indicate on and off points.</p>	1
27	<p>Vehicle Stabilization Controller shall be supplied for safely chasing Stabilization struts while performing a Lift with single Inlet and Dual Outlet. The Controller must design for safe use of compressed air to extend struts. The Controller shall be capable of extending the heaviest combination of Struts and extensions with a simple On/Off Control. The controller shall have a vent relief feature and shall be able to reduce pressure to 2 bar.</p>	1
28	<p>Monitoring and Alarm system shall be designed to be used as a stand-alone or connected load and stability monitoring device. Monitoring system shall be able to set the parameters at thresholds and shall receive notifications of any change in status. Monitoring system shall have a High-powered amber LED's and a 95dB Audible alarm integrated into the device. Monitoring system shall have a robust housing and shall begin alerting users immediately upon detection of an unsafe condition. Monitoring system shall operate on App and can activate audible alarms and vibrating alerts on mobile devices. The wireless monitoring system shall be exceptionally easy to use and shall have a vast array of applications. Monitoring system shall be able to measure, Parameters: Load, Vibration, Incline, Movement Wirelessly Transmits: Load change, Vibration, Incline data, movement alarms.</p>	1


  
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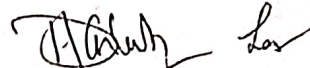


	Warning System: 6 high powered amber LEDs, 95dBA auditory alarm, Alarm & change notifications via Bluetooth Black box data logging. Uses: Structural Collapse (Raker Shoring, Vertical Shoring), Vehicle Stabilization, Trench Rescue, or as a Stand-alone monitoring.	
29	Non-Slip Neoprene Pad to be supplied for usage of Struts in slippery surface. Size(mm): Shall not be less than 380x380x25. Weight: up to 5.5kg	2
30	The hose shall have a spring-loaded, female, quick-connect coupling. A secondary integral threaded safety lock system shall vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. The entire assembly shall be made of non-sparking materials, and all fittings shall be made of corrosion resistant, non-sparking brass construction.	
a	Color: Yellow Size: Dia 9.5mm Length: 10m	1
b	Color: Red Size: Dia 9.5mm Length: 10m	1
c	Color: Blue Size: Dia 9.5mm Length: 10m	1
31	The shoring hammer shall be multifunction with the following features: a standard hammer and claw, a tool-belt hole, a gas shutoff feature, multiple nail pulling features, a 9/16" (14mm) open ended wrench and a spanner wrench designed to match with the locking collars of the struts. The shoring hammer shall be of a single unitary steel construction. The handle, hammer, claw, and all features shall be a single piece.	4
<b>Tripod Kit</b>		
32	The following components shall be able to modify the use of Mechanical Struts into a tripod configuration for use in rigging and repelling.	1
	The tripod kit shall include a tripod head with 3 clevis and pin female hubs, when mated with Acme thread, Lock stroke, or Longshore struts, create a tripod. The tripod head shall be made of aluminum and be hard coat anodized for protection and longevity. The tripod head shall also have a female hub on top to accept struts/extensions to create high point load support. All strut hubs shall have spring-loaded locking pin to	






  














	<b>Dual Stage Portable Air Lifting Bags with wheel</b>	
33	<p>The lifting bag shall consist of a unitary weave air lifting bag with two chambers and dual stage lift design. There shall be no mechanical connection or comparable stress point between the two chambers of the air lifting bag. The air lifting bag shall contain integrated safety relief valves to eliminate the possibility of over-inflation. The air lifting bag shall be constructed of neoprene rubber, to maximize fire and chemical resistance. The top and bottom of the air lifting bag must have a heavy-duty rubber gripping surface for maximum friction against the object being lifted. The Bag shall have a brightly colored striping along the edges and across the top to assist users in centering the bag under a load. The air lifting bag must incorporate multiple high contrast markings denoting maximum force capacity, maximum stroke, usage information, safety information, all molded directly onto the air lifting bag's surface for abrasion resistance and longevity. Bag shall have the production date and an individual serial number moulded for tracking purposes. The air lifting bag must be connected to a rigid base to maximize stability during lifts, and provide attachment points for handles. The rigid base shall come attached with a swiveling, quick release, telescopic placement handle able to extend at least 45 in (114 cm) to help users maneuver the bag under a load without putting their hands or arms in danger. The base shall also have integrated heavy duty wheels for easy travel. The extendable placement handle shall fold over and lock into the base over the air lifting bag to secure the bag for storage in a compact arrangement. The base shall also have two heavy duty handles on opposite</p>	1
	<p>sides of the bag suitable for lifting the bag and to operate as tie down points when needed. All exposed hardware mounting the rigid base to the bag shall be brass for corrosion resistance and its non-sparking qualities.</p> <p>The air lifting bag shall be capable of lifting up to 31 US tons with a working pressure of 10.3 bar at a 4:1 safety factor. Maximum lifting height of the unitary two chambered air lifting bag shall not be less than 66 cm. Insertion height for the air lifting bag must not exceed 11.5 cm. Storage dimensions shall not exceed 15.3 cm height, 78 cm length and 71.1 cm width. Overall weight shall not exceed 27.5 Kg. Bag shall be supplied with Controller, Preset Regulator, Inline Relief Valve and 2 nos Air Hose of Black and Yellow color with 5m long. All controls shall be supplied in Saddle Bag. The air lifting bag shall conform to EN-13731-2008-02 standards.</p>	







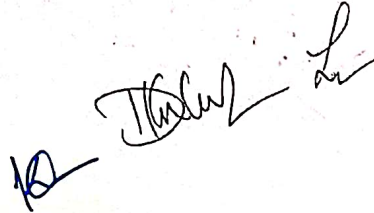
	a	permit simple and secure connection to the Rescue Struts. The tripod head must have an eyebolt for a lowering/arresting/retrieving device and rigging with at least a 5200 lb (2358.7 kg) working load limit. The tripod head must also have holes for attaching accessories.	
	b	Ground Base Plates shall be designed to support the strut systems during operation and be hard coat anodized for protection and longevity. All bases shall be milled from solid blocks of aluminum to ensure a monolithic structure with predictable, superior strength. Bases shall not be cast or welded upon in any way, so as to avoid unpredictable failure points. They shall measure 6" x 6" (15cm x 15cm) and have a textured, aggressive ground contact surface. They shall include an anchor ring to attach anchoring straps, ratchet belts or chains with a working load limit of at least 5,000 lb (2268 kg). The clevis shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts and hinged connector which will allow the clevis to move through a 90 degree range for proper placement and support. The base shall have four holes to accept a 3" 16 penny nail for securing the bases to strong backs and shoring lumber.	
	c	The kit shall contain a minimum 30 ft (9.1 m) galvanized alloy chain with grab hook to the link the three bases together through the anchor rings in a tripod formation and prevent base movement under load. The chain must have a minimum 3150 lb (1428.8 kg) working load.	
	d	The seller must provide a transport case large enough to contain all of the kit components. The case must be watertight, crushproof and dustproof and have an automatic pressure equalization valve to balance interior pressure. The case shall include a semi-rigid protective foam shaped to snugly fit all equipment providing shock protection during transport. The case must also include a diagram outlining all of the equipment contained within the protective foam, to simplify inventorying and storage of the kit's various components.	










Air Lifting Bags		
34	<p>The Air Lifting Bag shall be made of self-extinguishing Neoprene rubber embedded with three full layers of Aramid fibre reinforced on each side. The surface of the air bag shall be textured with small but aggressive raised protrusions moulded directly to provide an interlocking surface for stacking two lift bags. The bag shall have technical data moulded directly onto the bag surface clearly displaying its maximum lifting capacity, maximum working air pressure, and max lifting height, as well as the production date and serial number for product tracking. The bag shall have an easily visible centring mark, using a bright yellow "X" to assist the air lifting bag operator to centre the bag under a load. Warning Label shall be moulded on the surface of the bag displaying pictorial information regarding usage safety, maximum working pressures, and required personal protective equipment. The sides of the bag shall clearly display in contrasting colour the bags maximum lift capacity in SAE and metric units. Each bag must be subjected to a stringent factory pressure test to assure maximum operator safety and designed with a 4:1 safety factor. All fittings shall be made of non-sparking brass for maximum corrosion resistance and fire safety. The brass nipple shall be recessed into the bag to protect during use and storage. Maximum working pressure shall be at least 150 psi (10.3 bar). The air lifting bag shall be ATEX certified for use in explosive environments.</p>	
	<p>a Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 12T. Lifting Height: Shall not be less than 200mm. Dimensions (mm): 381x381x22 (+5%) Weight: Up to 4 kg</p>	1
	<p>b Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 17T. Lifting Height: Shall not be less than 225mm. Dimensions (mm): 381x533x22 (+5%) Weight: up to 5.5 kg</p>	1
	<p>c Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 22T. Lifting Height: Shall not be less than 270mm. Dimensions (mm): 508x508x22 (+5%) Weight: up to 7.5 kg</p>	1
	<p>d Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 32T. Lifting Height: Shall not be less than 330mm. Dimensions (mm) : 610x610x22 (+5%) Weight: up to 10 kg</p>	1

e	Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 35T. Lifting Height: Shall not be less than 240mm. Dimensions (mm) : 381x1066x22 (+5%) Weight: up to 11.5 kg	1
f	Air Lifting Bags shall be supplied with following, Lifting Capacity: Shall not be less than 45T. Lifting Height : Shall not be less than 385mm. Dimensions (mm) : 711x711x22 (+5%) Weight : up to 14 kg	1
g	Air Lifting Bags shall be supplied with following, Lifting Capacity : Shall not be less than 80T. Lifting Height : Shall not be less than 500mm. Dimensions (mm) : 939x939x25 Weight : up to 27 kg	1



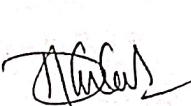

  
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		Accessories	
	a	The controller shall be milled from a solid block of aluminum and hard coat anodized and shall be equipped with two multi-colored operating gauges, both fully encompassed within the controller housing for protection. The controller shall have a self-resetting relief valve. All fittings of controller shall be of corrosion resistant, non-sparking brass construction. Controller shall have a secondary integral threaded safety lock system which shall vent system air unless locked. Controller shall have an internal check valve which will prevent air from escaping if inlet hose is cut or damaged. The controller shall inflate and deflate system by a pair of anodized aluminum buttons, clearly colored green for inflation and red for deflation. The inflation and deflation shall be controlled with buttons, no twist- valve design shall be used in the controller to prevent accidental over inflation. The controller shall have a simple push button lighting system, to illuminate the pressure gauges in the dark. The lighting system shall have an auto shut off function after a few minutes to preserve batteries. The light system and battery shall be a single unit, easily and economically replaceable in the field.	1
	b	The pressure regulator shall be preset and milled from aircraft-grade aluminum and hard coat anodized for sturdy and durability. It shall have a pressure relief valve to prevent over-pressurization of the system. The preset regulator shall be set at 215 PSI (14.8 Bar) and shall be operated with a simple on off quarter turn valve. The pressure regulator shall have a inlet pressure gauge to monitor bottle pressure.	1
	c	The Shutoff and Inline Relief Valve shall be milled from aircraft-grade aluminum and hard coat anodized for sturdy and durable. Relief valve shall be designed to relieve over-pressurization and allow a lift bag to remain inflated under a load. Valve shall have a safety coupling with a threaded safety lock system that vents system air unless secured to the input nipple.	4
	d	The nipple and locking tire chuck shall be equipped with compatible fittings for providing connection to pneumatic control equipment. The tire chuck shall be attached and locked to inflated tires to provide an emergency source of pressurized working air where compressors or air bottles are unavailable.	1



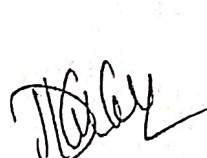





e	The pneumatic Y-connector shall be equipped with compatible fittings to provide connection to airbags and pneumatic control equipment and shall have a 300 PSI (20,7 bar) working pressure. The Y-connector shall have two spring-loaded, female, quick-connect couplings and a compatible quick connect nipple. Y-Connector shall have a secondary integral threaded safety lock system shall vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. The entire assembly shall be made of non-sparking materials, and all fittings shall be made of corrosion resistant, non-sparking brass construction.	2
f	The air supply hoses shall be equipped with compatible fittings to provide connection to the bags and control equipment and shall have a 300 PSI (20,7 bar) working pressure. The hose shall have a spring-loaded, female, quick-connect coupling. Hose shall have a secondary integral threaded safety lock system which will vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. All hose nipples and couplings shall be field replaceable and repairable. If a hose is ruptured, a dismantling and reassembly of the coupling or nipple on the hose shall be possible in the field with no additional parts and limited hand tooling. Hose Shall be supplied with following colors and Length.	
i	Color: Yellow Size: Dia 9.5mm Length: 10m	1
ii	Color: Red Size: Dia 9.5mm Length: 10m	1
iii	Color: Black Size: Dia 9.5mm Length: 10m	1
iv	Color: Blue Size: Dia 9.5mm Length: 10m	1
v	Color: Green Size: Dia 9.5mm Length: 10m	1
vi	Color: Grey Size: Dia 9.5mm Length: 10m	1



	g	The seller shall provide a transport case large enough to contain all the kit components. The case shall be watertight, crushproof, and dustproof and have an automatic pressure equalization valve to balance interior pressure. The case shall include a semi-rigid protective foam shaped to snugly fit all pneumatic control equipment providing shock protection during transport. The case shall also include a diagram outlining all the equipment contained within the protective foam, to simplify inventorying and storage of the master control kit's various pneumatic control components.	1
35		Manual Air Compressor to be supplied for operating Air Bags. Compressor shall be 2-Stage operated by Foot or Hand. Net Weight of Compressor Shall not be more than 7Kg.	1
36		The Hooligan tool head and claw shall be forged from high alloy steel, heat-treated for maximum strength, then fitted to a 1" (2.5 cm) stress proof bar. The bar shall be light weight variant with central aluminum machine grooved non-slip grips. The Tool shall feature a claw that is gently curved for maximum prying leverage. The claw opening shall be parallel and fits over locks, hasps, and many door bars. It can also be used as a nail puller and a gas shut off during emergencies. The tool shall be 36" Long and should not exceed 5.5 kg in weight. The Duckbill shall be long with a smooth incline to force windows and doors. The tool shall be treated with high-phosphorous electroless nickel plating for high hardness, wear resistance and corrosion protection. The tool shall not have any welding operation, head and claw shall be pressed fitted in aluminum bar.	1
37		The tool Shall be Light in weight, multi-purpose, Slam & Ram designed to Pry, Enlarge Openings, Cut Metal Sheet and Twist off locks and latches. The tool lets every firefighter force	1

	<p>entry, Rescue and Ventilate without waiting for help. The tool shall be small enough to carry and rugged enough for most jobs. The tool Head and Claw assemblies shall be separate sections forged from high alloy steel and heat treated for maximum strength. The tool shall have a moulded rubber sleeve over the handle to provide a non-slip grip. The tool shall be treated with electroless nickel plating for easy maintenance.</p> <p>The Tool Shall be of</p> <ul style="list-style-type: none"> <li>- Top Cut axe blade design</li> <li>- Long, Sharp, Tapered Pike</li> <li>- Spanner wrench built into the axe head.</li> <li>- Extendable, Lockable, Replaceable Claw Inserts.</li> <li>- Tool head and Claw inserted shall be forged from high alloy steel and heat treated for maximum strength. Welded claws shall not be acceptable.</li> <li>- High-phosphorous electroless nickel plating for hardness, wear resistance and corrosion protection.</li> <li>- 2 Interchangeable claw design, Standard and Metal Cutting.</li> <li>- Unique locking lever allows the tool to be used in two positions, closed and extended.</li> <li>- Hole in the tool head to insert the claw shaft to pry and split in forcible entry</li> </ul>	
38	<p>The tool shall be designed to be an ergonomic, light wearable multi-purpose fireman's personal tool that can be employed instantly without any preparations and used for multiple purpose forcible entry and rescue. The Tool Shall comply with SAE International Aerospace Standard AS5402 and NTSB Crash Axe requirements. The Tool Shall be Made from Hardened Stainless-Steel construction and designed for forcing open doors and windows, opening holes, prying, and twisting, metal cutting and chopping.</p> <p>The Tool Shall have a "H" shaped cross-section that prevents it from being stuck in penetrated materials and to enlarge a Punched Hole on either side. The pike shall be designed to puncture holes, crush or chip glass, plastic, tiles, or other masonry, twisting hasps and other hardware</p> <p>The Tool shall have an Axe-Blade used for chopping, busting,</p>	1



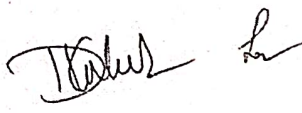




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		<p>prying, or hinge pin removal. Two Relief depressions shall be provided on Axe blade to provide for easy removal from deeper cuts. Under the Blade there shall be a Spanner Boss that can be used to operate Collar Nuts, Fire Hose Connections, and other similar Devices.</p> <p>The Tool shall have a Metal Cutting Claw designed to have a maximum cut length per stroke and the end of that blade is thicker, so the blade won't jam when cutting is performed. The Tool shall cut Sheet metal up to 1/8" thickness.</p> <p>The Tool Shall Have a Chisel &amp; Prying Wedge on the opposite of Axe-Blade. The Tool Shall Have a Nail Pulling Feature which is Integrated into the cutting claw with an ergonomically friendly curve which will create a pulling force at the beginning and then by easing -off while the nail is extracted further out. The Tool Shall have a provision to operate Gas Shut-Off Valve. All functions of the tool shall be operable without any extension or attachments.</p> <p>Tool Overall Dimension shall not exceed 6.47" (164mm) W x 15.0" (380mm) L x .86" (22mm) T and Shall Weigh 3.3lbs (1.5kg)</p>	
39		<p>The Tool Shall be designed for use in rescue situations involving forcible entry and penetration. The tool shall be manufactured from aluminium (housing) for light weight and steel (ram) for strength. The tool bits shall be manufactured from forged heat-treated alloy steel to provide high impact strength and long tool life and shall not be welded. The tool shall feature a machine grooved non-slip handle, a collect ring that can lock the ram in any position to aid in leverage, and a tool retainer with its own locking ring that allows for quick and safe tool bit changes. The Tool shall be supplied with following accessories which are manufactured from Forged Heat-Treated alloy steel and no welding process shall be carried out.</p>	1
	a	14" Long shall be used for breaking concrete and masonry materials.	
	b	14" Long - 3" Wide Chisel shall be used for prying, metal cutting, and its extra-long length shall be used for reaching into areas that are extra deep and narrow.	
	c	14" Long - 1" Wide Chisel shall be used for prying, breaking bolts, and breaching brick and block walls.	
	d	The Lock Breaker Claw shall be used for prying and forcing open roll-up doors, elevator door, fire doors, windows, twisting open hasps and locks, and pulling large nails or spikes.	
	e	The Metal Cutting Claw shall be made to cut the metal of automobiles, aircraft, metal structures such as corrugated sheds, etc.	

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	f	The Carrying Pouch shall be made from tough, strong vinyl coated nylon and features Velcro straps for easy access and worry-free storage. It shall store all the standard items that come with the Kit, rolls up easily, and has two handy carrying straps so you can take the tool just about anywhere.	
40		Portable hand tool pneumatically operated designed for forcible entry (piercing, cutting, and breaking) during firefighting and rescue operations shall be supplied. The tool	1
	a	The pneumatic impact tool shall be designed for rescue operations. The pneumatic impact tool must have hot-swappable bits, and an automatic oiling mechanism built into its air feed hose to simplify maintenance.	
	b	The Pressure Regulator shall be equipped with a 0-300 psi (20,7 bar) manual adjusting knob and have the ability to vent pressure when adjusting down the pressure (counterclockwise rotation). The Pressure Regulator shall have a self-resetting relief valve to prevent accidental over-pressurization of the strut which activates at 300 psi (20,7 bar) with a flow rate of 9.55 SCFM (270.5 SLM). The Pressure Regulator shall be equipped with a 90° lever shut-off valve to disengage the air flow to the outlet.	
	c	The air supply hoses shall be supplied of size 3/8" (9,5 mm) in diameter and shall be no less than 32 ft (10 m) long. The hoses shall be equipped with compatible fittings to provide connection to the Struts and control equipment and have a 300 PSI (20,7 bar) working pressure. The hose shall have a spring-loaded, female, quick-connect coupling. A secondary integral threaded safety lock system shall vent system air unless locked, ensuring the system can only be fully pressurized if all couplings have been properly secured. The entire assembly shall be made of non-sparking materials, and all fittings shall be made of corrosion resistant, non-sparking brass construction.	
	d	The seller shall provide a chisel S bit for the pneumatic impact tool that conforms to the below specifications. It must be at least 14 in (35,6 cm) long, with a 1 in (2,5 cm) wide chisel. The material shall be forged steel for strength. The shank shall be 1 cm wide.	
	e	The seller shall provide a metal cutting bit for the pneumatic impact tool that conforms to the below specifications. It shall be 11 in (27,7 cm) long. The design shall be an inwardly curved chisel. The material should be forged steel for strength.	

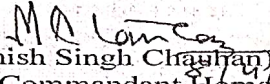



  







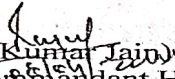
f	The seller shall provide a bullpoint bit for the pneumatic impact tool that conforms to the below specifications. It shall be 14 in long ending in a four-sided point designed to chip and break concrete, masonry and other hard materials. The material should be forged steel for strength. The shank shall be 1.0 cm wide.	
g	The seller shall provide a lubrication oil specifically designed for the pneumatic impact tools for use in the automatic inline oiling mechanism.	
h	The seller shall provide a tool bit pouch specifically designed to securely hold the various bits and tools for the pneumatic impact tool. It shall be made of durable ballistic nylon to cope with the tough rescue conditions and the sharp points of the bits.	
i	The seller shall provide a carrying case sized to fit the pneumatic impact tool and all its accessories. It shall be made out of durable ballistic nylon to cope with harsh rescue environments.	

1. Note: Supplier / Manufacturer will provide operation & maintenance training with operation manual to MADHYA PRADESH SDERF / HOMEGUARD personnel to their satisfaction.

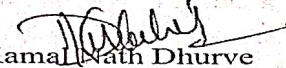
Chairman

  
(Manish Singh Chauhan)  
Divisional Commandant Home guard  
Gwalior

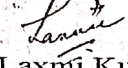
Member

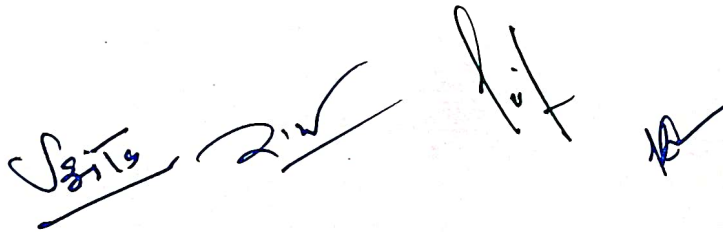
  
(Rajesh Kumar Jain)  
strict Commandant HG  
Narmadapauram

Member

  
Kamal Nath Dhurve  
District Commandant SDERF  
Bhopal

Member

  
Dr Laxmi Kumre  
Associate Professor, ECE  
MANIT,  
Bhopal



### CHECK LIST

NAME OF FIRM :-

SR. NO.	DESCRIPTION	DETAILS	PAGE NO.
1	E-MAIL ADDRESS AND CONTACT DETAILS		
2	EMD		
3	LEGAL ENTITY		
4	Bidder should have average annual turnover of not less than Rs 50 Lakh in at last 03 years ( i.e. 2021-2022,2022-23, 2023-24 or latest .)		
5	ACCEPTANCE OF ALL TERMS AND CONDITION OF THE TENDER		
6	GST REGISTRATION		
7	The bidder/OEM/Resaler should have supply orders of cumulative value of Rs 50 Lakh for Same or similar type of category products in Any Central Govt./ State govt. /Govt. Undertaking/PSU/ Public Listed Company. during Five financial years ( i.e.2019-20,2020-2021 2021-2022,2022-23, 2023-24 or latest .) Copy of PO must be enclosed		
8	TECHNICAL SPECIFICATION COMPLIANCE WITH BROCHURE and MAKE AND MODEL		
9	At the time of Bid (as on bid submission date) Bidder must not be blacklisted/ debarred from any Govt. Organization, Declaration submitted by bidder.		
10	The Bidder/OEM/Authorized dealer should have had a fully functional service/support centre in India/MP for a minimum period of 02 years.		
11	For Bidder & OEM from country which shares land border with India, guidelines issued by government of India, dept. of expenditure in this regard as on bid submission date must be adhered.		
12	Warranty & Guarantee Certificate		

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### Check List for Tender Documents

S.No.	Name of Document	Whether Document Attached or Not	If Yes, Then Show Page No.
1	Firm Registration Certificate		
2	Existing business self certificate		
3	Income Tax Return		
4	GST Tax registration		
5	GST Returns		
6	CA certificate with CA's registration number/ seal for turn over <b>Form-IV</b>		
7	Copy of P.Os/supply order/completion certificate		
8	All Forms I, II, III, IV, V		

Signature of Bidder & Seal

V. S. S. R. M. P. S. 10

Headquarters, SDERF Madhya Pradesh, Bhopal

Tender Form

NIT No. /Purchase/custom vehical/ /2025,

Dtd. / /2025

1. Tender applied for \_\_\_\_\_
2. Name & full address of the Firm submitting the tender \_\_\_\_\_
3. Name of contact personnel \_\_\_\_\_
4. Name of local contact personnel (If any) \_\_\_\_\_
5. Phone Number/Fax No. \_\_\_\_\_
6. E-Mail address \_\_\_\_\_
7. On Line Tender fee deposited Receipt is attached here with PQ Bid.
8. GST Reg.No. \_\_\_\_\_
9. Whether annual clearance of G.S.T. attached \_\_\_\_\_ Yes/No \_\_\_\_\_
10. Copy of Online Earnest money Deposit receipt is attached here with PQ bid in favour of Divisional commandant SDERF MP Bhopal. \_\_\_\_ Yes/No \_\_\_\_\_
11. Agreed to abide by terms and conditions laid down for NIT No. \_\_\_\_\_  
Date \_\_\_\_\_ Yes/No. \_\_\_\_\_
12. Signed on each pages as a token of acceptance of terms & condition laid down for NIT  
No. \_\_\_\_\_ Date \_\_\_\_\_

Date-----

Place-----

Signature of Proprietor/  
Manager/Representative of firm  
Seal

The block contains a handwritten signature in black ink, which appears to be 'S. S. S. S.', followed by a circular official stamp. The stamp is partially legible and contains some text, but it is mostly obscured by the signature and other markings.



**Eligibility Criteria**  
(To be enclosed with “Pre-Qualification Bid”)

S.No.	Basic Requirement	Specific Requirements	Document Required	P.No.
1	Legal Entity or Act.1956	The bidder must be a company registered under Companies Act 1956 or Act. 2013 or the partnership firm registered under the partnership act, or a society registered under relevant society act or any other legal entity.	Copy of registration certificate (s)	
2	Existing Business	The bidder must be in business of manufacturing /supplying of the Products of the same type required by the purchaser continuously since 01 Apr 2020 or before in India. The bidder must submit the Self certificate.	Self certificate	
3	Income Tax Return	Income Tax return submitted of 2021-22, 2022-23, 2023-24 or latest	Attested Copy of income tax return (s) & PAN no.	
4	GST Tax registration	GST Registration Number of Firm	Copy of GST Registration certificate.	
5	GST Returns	Latest GST return submitted	Latest GST return submitted. (GSR.3B) Please don't attach unrequired returns.	
6	Experience	The bidder should have successfully supply order/purchase order of /Similar items of cumulative value more than <b>INR 50 Lakhs</b> (taxes inclusive) during last five financial years (i.e.2019-20, 2020-21 2021-22, 2022-23, 2023-24 or latest) in any govt./PSUs./PLC	Copy of P.Os/supply order/completion certificate must be enclosed <b>(Form-III)</b>	
7	Declaration by Firm	Bidder should not be blacklisted/Debar by any State / Central Government Department, Ministry or Agency as on bid submission date	<b>Form-IV</b> , Self-Declaration Certificate that the bidder is not black listed as on the bid submission date, duly signed by the authorized signatory of the prime bidder on its letter head	
8	Force Majeure	On the Letterhead of the Participant bidder firm/ Company	<b>Form-V</b>	
9	Turnover	Bidder should have average annual turnover of not less than <b>INR 50 Lakhs</b> during last three financial years. Certified by a Chartered Accountant with UDIN No., and submit information in the enclosed prescribed.	CA certificate with CA's registration number/ seal	
10	Service Center Declaration	On the Letterhead of the Participant bidder firm/ Company		

Signature of Bidder & Seal

## COMPLETION/PERFORMANCE STATEMENT

(Must be enclosed with the “Pre-Qualification”)

S. No	Financial Year	Name, address and Telephone no and fax no of Srevice/Work to whom SOURING SYSTEM 15 NOS/ similar items sold.	Description of the sold SOURING SYSTEM 15 NOS / similar items Name of Make & Model.	Quantity of SOURING SYSTEM 15 NOS / similar items sold.	Purchase Order No. & Date issued by Service/ Work	Value of contract / Purchase/ Order
1	2019-2020					
2	2020-2021					
3	2021-2022					
4	2022-2023					
5	2023-2024					
	Or latest					

As of this date, the information furnished in all parts of this form is accurate and true to the best of my knowledge. I have no objection in getting this information verified by the purchaser in any covert or open manner, as the latter may deem fit.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signed: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

For and on behalf of: \_\_\_\_\_

*Verity* *21/11* *Ref* *10*



Following Declaration duly filled in must be enclosed with the “Pre-Qualification” as given below :-

[On the letterhead of Bidder]

**:: DECLARATION::**

1. (Name of M.D./ Proprietor of firm).....son of.....of M/s (Name of firm and full Address) .....have read all the Terms and Conditions of this tender. These are acceptable to me.
2. Earnest Money online deposit receipt of Rs.....(In words) .....in favour of Divisional Commandant Madhya Pradesh, Bhopal-462008 payable at Bhopal, is enclosed herewith.
3. I certify that we are registered and well experienced firm for this work and truly trading since .....(date).
4. We also certify that we are not blacklisted/Debar by any State or central Govt.
5. Each page of tender documents is duly signed with seal by us. Each page of the tender document is duly signed by me.
6. I undertake to adhere to ethical commitment as required in this tender and mandated by law.
7. I, hereby further confirms that irrespective of any arrangement between the bidder of this bid and its suppliers, the undersigned entity shall bear full and single point responsibility and answerability towards the this bid and the purchaser. Undersigned shall ensure that tasks under this bid do not suffer on any account including any probable dispute between it and its supplier and service personnel.
8. I further guarantee that this bid does not contain any offer making infringements on any Indian law relating to IPR, Copyrights, patents and designs. I also undertake to indemnify the purchaser in the event of purchaser suffering any loss/ incur any expenses due to violation of any law in this respect.
9. I also certify that no liabilities/Taxes are due on my firm of any organization/govt./PSU/UT.

Place: .....

Date: .....

Signature.....

Name & Seal of the Tenderer (Supplier)

*Vsita* *2.2* *hif* *10*

**(On the Letterhead of the Participant bidder firm/ Company)**  
(To be enclosed with Pre-Qualification)

**Force Majeure**

1. Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault of negligence and which is not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, pandemic, civil commotion, sabotage, earthquake, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, and freight embargoes.
2. If there is delay in performance or other failures by the supplier to perform its obligation under its contract due to event of a Force Majeure, the supplier shall not be held responsible for such delays/failures.
3. If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof within 21 (Twenty one) days of occurrence of such event. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligation under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
4. There may be a Force Majeure situation affecting the purchase organization only. In such situation the purchase organization is to take up with the supplier on similar lines as above for further necessary action.

**Place: .....**

**Date: .....**

**Signature.....**

**Name & Seal of the Tenderer (Supplier)**

Vsita 21/11/19  
[Signature]



**Technical Form**  
(To be enclosed with Technical Bid)

S.No.	Particulars	Bidder statement (s)	Supporting document enclosed	Page No.
1	Name of Tendering Firm			
2	Name of Service Item			
3	Make /Model			
4	Name of Manufacturing company			
5	Production place of the item			
6	Production year of the item			
7	Are all specification as given at Annexure- A complied?			
8	Warranty/Guarantee			

Signature of Bidder and Seal

V. S. S.      R. K.      P. K.      10

Following Declaration duly filled in must be enclosed with Technical Bid given below :-

**:: Warranty Certificate ::**

I, (Name of M.D./ Proprietor of firm).....son of M/s  
(Name of firm and full  
Address).....certified  
that we are provide warranty for the ----- years from date of check test of the material.

Place : .....

Date : .....

Signature .....

Name .....

& Seal of the Tenderer (Supplier)

Verity 2nd half 10



**Bill Of Quantity**

(To be enclosed with financial bid)

S.No.	Name of Item (As per specifications)	Quantity
1	SOURING SYSTEM	15

Signature of Bidder  
and Seal

V. S. T. S.      21/10      12/10      10

## Financial Bid

(To be enclosed with Financial bid)

**Note:-Financial Bid with price in INR must be submitted online in the prescribed format of BOQ**

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Seal & Signed: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

For and on behalf of: \_\_\_\_\_

Signature of Bidder  
and Seal

*Handwritten signature and initials*



# Format of BOQ

Item Rate BoQ

Validate

Print

Help

Tender Inviting Authority: DG/HG/CD/DM Bhopal MP						
Name of Work: Souring System 15 nos						
NIT No:		Date /02 /2025				
Name of the Bidder/ Bidding Firm / Company:						
<p align="center"><b><u>PRICE SCHEDULE</u></b></p> <p>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</p>						
NUM BER #	TEXT #	TEXT #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Unit rate with Tax	Total Rate with Taxes	TOTAL AMOUNT (with Tax) In Words
1	Name of Items					
1.01	SOURING SYSTEM 15 NOS	Item 1	15			
Total in Figures						
Quoted Rate in Words						

*[Handwritten signatures and initials]*