

## **Mounting and Support Equipment for Multi Spectral Camouflage Net (MSCN)**

Mounting and Support Equipment for MSCN is developed for mounting/erection of MSCN on defence systems and equipment to disrupt their geometry & contour and providing desired camouflage cover. The product is designed and developed for the required high speed wind, other static loading and camouflage features to support MSCN.

- The equipment consists of a collapsible, telescopic pole. The Minimum or closed height is 1 m and Maximum or Open height is 5 m. There is provision of varying the Pole's height ranging from 1 m to 5 m with 25 cm increments.
- The equipment is made up of high strength Aluminium Alloy tubing which offers high strength and light weight.
- The equipment's top is designed for easy entanglement of net so that net doesn't slip at the same time preventing the net from tearing due to penetrations/indentation.
- The crimped bottom can easily fit into any terrain base providing stability at high speed wind loading.
- Erection time of an MSCN with these poles (8-10 Nos.) is less than 10 min. Alignment marking is done for smooth and fast opening with quarter turn locking pins.
- The gloss less finish in olive green/beige/white colour (given by anodizing/powder coating) makes the equipment visual camouflage even during transport/in non-erected condition.
- Robust design and Corrosion less MOC performs well in extreme service condition (-50 ° C to + 70 ° C) which makes it suitable for using in all terrain and all weather condition.
- Twisted Pin made up of MS for anchoring the net is also a part of Mounting and Support Equipment. The twisted pins are Zn coated and then chromate passivated.

**Application:** For Erection, Support and Mounting of Camouflage Nets (MSCN/ SCN etc.) to Camouflage the Defence Equipment and Systems.

**Processes Required:** Machining; Milling; Fulering; Drilling; Machining; Anodizing; Powder Coating



**Camouflage Net erected with  
Mounting and Support Equipment (MSE )**



**Top Disrupter**



**Twisted Pins**



**Crimped Bottom**



**CLOSED MSE**

**OPEN MSE**

**Director**  
**Defence Materials and Stores Research & Development Establishment**  
**(DMSRDE)**

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A copy of interest may be sent to the following address (without any attachment):-

**Director**  
**Directorate Industry Interface and Technology Management (DIITM)**

Room No 447, DRDO Bhawan, DRDO HQrs, Rajaji Marg, New Delhi – 110011

Phone No: 01123013209/23015291

Fax No: 011-23793008

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All industries interested in seeking ToT are requested to fill the information sought in Application cum Industry Assessment form given below and provide reference of page no. of supporting document (wherever applicable). The list of documents to be attached is provided in Annexure - I.

**Application cum Industry Assessment Form**

**PART-1**

**General Information**

a)	<b>Name of the Technology requested for Technology Transfer (Technology name and concerned Lab, Category)</b>	
b)	<b>Name of the industry/ organization</b>	
c)	<b>Complete Address and other details</b>	
	<b>Registered Office</b>  State Phone No Fax Email Website	

	<b>Factory</b>  State Phone No Fax Email Website	
<b>4.</b>	<b>Point of Contact</b> Name Designation Address Mobile No Ph No Email ID	
<b>5.</b>	<b>NAME OF CMD/ MD /PARTNERS/ PROPRIETOR/ etc</b> Name Designation Address Mobile No Ph No Email ID	
<b>d)</b>	<b>Date of Incorporation of company</b>	
<b>e)</b>	<b>Foreign Direct Investment in company (if any in %)</b>	
<b>f)</b>	<b>Shareholding pattern</b>	
<b>g)</b>	<b>Turn over as per Audited Balance Sheet for the preceding three years.</b> Year _____ Year _____ Year _____	
<b>h)</b>	<b>Annual budget for R&amp;D during last three years (if any)</b> Year _____ Year _____ Year _____	
<b>i)</b>	<b>Income Tax returns for the preceding three years period</b> Year _____ Year _____ Year _____	
<b>j)</b>	<b>Nature of company</b> DPSU, Private Limited, Public Limited, Partnership, Proprietary,	

	Ex- Serviceman Unit	
<b>k)</b>	<b>Category of industry</b> Large Scale, Medium Scale, Small Scale, Micro, Startup	
<b>l)</b>	<b>MSME Registration No</b>	
<b>m)</b>	<b>Certificates of registration as a manufacturing unit, if any.</b>	
<b>n)</b>	<b>If Startup, DPIIT Registration No</b>	
<b>o)</b>	<b>UDYOG AADHAR No</b>	
<b>p)</b>	<b>PAN Number</b>	
<b>q)</b>	<b>Details of Industrial license for defence manufacturing issued by DPIIT (if any)</b>	
<b>r)</b>	<b>Details of PESO license (if any)</b>	
<b>s)</b>	<b>GST Number</b>	
<b>t)</b>	<b>Nature of business</b> Manufacturing/ Sole Selling or Authorized Agent/ Assembler/ Traders/ Dealer/ Processor/ Repacker/ Others	
<b>u)</b>	<b>Details of current products and services</b> Products and services Supplied (please specify Govt/ Domestic market/ Export)	
<b>v)</b>	<b>Record of past performance</b> (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).	
<b>w)</b>	<b>Details of registration with</b> NSIC / SSI, DGS&D, other Defence Department, other Govt. Dept, membership of FICCI/ASSOCHAM/CII or other Industrial Association <b>(Attach relevant copies of registration letters)</b>	
<b>x)</b>	<b>Have you already taken any technology from DRDO</b> (If yes, give details attaching separate sheet) Name of the Technology, Lab, Year, License number & Status	
<b>y)</b>	<b>ISO/ ISI certification or any other certification</b> (If yes, give details)	
<b>z)</b>	<b>Relevant clearances form the authorities/ ministries</b> (if any)	
<b>aa)</b>	<b>Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.</b>	
<b>bb)</b>	<b>Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.</b>	

## PART-2

### Infrastructure and other Information

a.	<b>Total area of factory</b> Covered (m <sup>2</sup> ), Uncovered (m <sup>2</sup> ), Bonded space available (m <sup>2</sup> )	
b.	<b>Ownership of factory</b> Self-owned, partnership, rental	
c.	<b>Electric power</b> Sanctioned Installed Standby (if any)	
d.	<b>Availability of adequate infrastructure</b> (List of machines and their production capacities) and technical expertise	
e.	<b>Name of bank &amp; A/c No</b> Name of bank A/c type A/c no Address of the bank Phone: Email:	

#### (a) Details of current products:

Sl.no.	Type	Description	Licensed/installed capacity	Annual production for preceding 3 years

#### (b) Details of foreign collaboration, if any

Sl.no.	Product	Name & address of collaborator	Year	Remarks

#### (c) Details of products developed for services

Sl.no.	Nomenclature of stores	Order no and date	Remarks

#### (d) Please give details of important facilities & infrastructure as per following format for:

- Production
- Unconventional, special m/c
- Testing & quality control facilities

Sl.no.	Description of m/c	Make & model	Qty	date of purchase	Remarks

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**(e) Furnish the following details with relevant certificates and documents**

- a. R&D facilities available :
- b. Inspection quality control of raw material components :
- c. Assistance from central agency for testing / calibration etc. :
- d. laboratory and drawing office facility :

**(f) Principal customers:**

Sl.no.	Name & address	S.O No. & date	Date of last supply	Products supplied	Value

**(g) Future plan (if any) in respect of expansion programme installation of additional machines/ test facilities etc.**

**(h) Name of the technology requested for transfer** (give self-assessment of your capability to absorb the technology)

**(i) Details of employee as on date on firm's pay roll**

PERMANENT				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers Unskilled workers, etc.			
Administrative	Purchase Manager Accounts Officer Office Superintendent Clerical Others etc			

TEMPORARY				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers Unskilled workers, etc			
Administrative	Purchase Manager Accounts Officer Office Superintendent			

	Clerical Others, etc			
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**DECLARATION :**

I / we confirm that the information furnished in Part 1 & 2 above is correct. In the event of any information given by me / us is found incorrect / false at any time, I / we understand our EoI for ToT will be cancelled/ rejected without notice, beside any other appropriate action against me / us.

Industry seal

Authorized signatory

Name(s) in capital  
designation and seal of authorized  
signatory

dated:

Place:

**Annexure - I**

**List of Supporting documents to be attached with EoI**

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time)
- (b) Certificates of registration as a manufacturing unit, if any.
- (c) Audited Balance Sheet for the preceding three years.
- (d) Income Tax returns for the preceding three year period
- (e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/DIPP norms as applicable.
- (f) Annual budget for R&D during last three years.
- (g) Numbers and details of IPR or patents, etc., held by the company.
- (h) Number of technically or professionally qualified personnel.
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.



- (k) List of Testing and Support equipment's
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances from the authorities/ ministries (if any)
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.
- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.
- (q) Under taking from company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.
- (r) Details of the industrial license for defence manufacturing be provided by the industry seeking ToTs.