

OFB VENDOR REGISTRATION SOP

1. INTRODUCTION:

Developing a reliable Vendor base is crucial in Defence Industry. As part of procurement cycle, new vendors are encouraged to participate in the process so as to widen the Vendor base for ensuring competition. M of D vide letter No. 16(2)/2004/D(QA) dated 31-03-2005 had directed that vendor development and capacity verification of vendors supplying input material to the Ordnance Factories and Defence PSUs shall be undertaken by the respective Ordnance Factory or the Defence PSUs as the case may be.

Accordingly, the SOP for Vendor Registration was promulgated on 13.09.2005. It was based on physical assessment of Capacity and documentary evidence submission by the vendor for each item. Since then, defence industrial production base has widened due to successive encouragement received through various Govt. policies. Requests were received from various stakeholders, including vendor, for simplification of registration process. A need was felt to accord greater reliance on self-declaration of capability by vendors, thereby eliminating the need for physical assessment in most cases. However, there would still be some items where ex-ante-CV is inescapable due to criticality of manufacturing technology and functional aspect of the defence store. During ex-ante-CV, evaluation of manufacturing process, traceability and adequacy of testing facility etc for capability assessment to be done.

2. AUTHORITIES:

a) Competent Authority:

DDG/OFB looking after OFB- Vendor Registration Cell (OFB VRC) shall be competent authority in connection with Vendor Registration.

(b) Appellate Authority:

Member/OFB shall be the Appellate Authority for Appeal preferred by Appellant Vendor.

3. SCOPE:

This SOP is intended for Vendor Registration for Direct Materials.

4. DEFINITIONS:

- a. **Enrolment Form:** This is online form to obtain Vendor Profile along with supporting documents uploaded. (Enclosed as Enrolment Form)

- b. **Enrolled Vendor:** A new vendor which has obtained Login ID & Password after filling up the details in the enrolment form through OFB Online Vendor Registration Portal.
- c. **Vendor Registration Application Form:** This is online form to obtain the information about the manufacturing facilities & inspection/testing facilities- both in-house & outsourced. Information of Original Equipment Manufacturer (OEM) is also captured of whom the vendor is sole selling agent/dealer/stockists. (Enclosed as Vendor Registration Application Form)
- d. **Registered Vendor:** An enrolled vendor which has been awarded vendor registration Certificate.
- e. **Multi-Functional Team (MFT):** MFT shall be the standing committee constituted by Sr. GM/GM comprising of Group 'A' officers from production and quality control. The committee will be headed by AGM/QC (or AGM/Jt. GM nominated by Sr. GM/ GM, in case, AGM/QC is not there). The MFT shall evaluate the self-declared documents submitted by the vendor and recommend for registration/ otherwise. The head of MFT will be responsible for all processing of application and upload the same in the Centralised Online System.

5.0 **REGISTRATION OF VENDORS:**

5.1 **Uploading of Advertisement for Registration:**

Advertisements shall be uploaded with following details:

- i) Nomenclature of the store
- ii) Specification No.
- iii) Drawing No.
- iv) Manufacturing Technologies involved,
- v) Inspection/Testing facilities involved
- vi) Qty.(Approx.) required
- vii) Requirement of ex-ante CV

The above details will be available in the OFB Online Vendor Registration Portal for view. Vendor may visit Vendor Registration Portal at URL: **www.ofb.gov.in/vendor** Or **OFB Internet Link: www.ofb.gov.in** for viewing the items listed for registration.

5.1.1 All items including items under current procurement should be available for registration all the time and the same will be uploaded on OFB Vendor Registration Portal.

5.1.2 The requirement of Ex-ante CV shall be mentioned explicitly in the uploaded advertisement against the Item. The representative list of items requiring ex-ante CV is attached. *The list of cases which need ex-ante CV may be kept to the minimal level and should be renewed on a 06 monthly basis, so that the numbers keep on decreasing.*

5.2 Steps for Registration:

Interested Vendor need to carry out the following steps to apply for registration:

- a. Vendor will fill up the online Enrolment Form for getting the required **USER ID & PASSWORD**. This is one-time activity & handled by system automatically.
- b. Enrolled Vendor will select the items for which it desires to apply for registration.
- c. Vendor has to fill up details as well as upload required documents in the online Vendor Registration Application Form.
- d. Vendor will submit **Application Fee** through **Payment Gateway online**.
- e. On successful submission of the Application Form, vendor will get an **Acknowledgement No.** along with the **Confirmation Message** through e-mail.
- f. Vendor can view the status of its application online.

Note: The completed form can be submitted online only after successful Payment of Fee.

5.3 Scrutiny of credentials of Vendors:

The items advertised for registration shall contain information about Manufacturing Technology involved and Inspection / Testing Facility required to produce the desired items.

Self-declared details/documents submitted about Plant & Machineries and Inspection Capability shall be the basis on which a vendor will be considered for registration. The evaluation of the vendors should be based on the competency mapping in terms of the Plant & Machinery etc.

The various scenarios for different category of vendors are given below:

- i) Manufacturers & System Integrator will be considered for registration provided it is found that:

- a) the manufacturing facilities declared by the vendor (in-house as well as outsourced) are sufficient to produce & deliver an item, without necessity of ex-ante CV.

OR

- b) manufacturing facilities declared by the vendor (in-house as well as outsourced), & verified through presentation on technical capabilities by the firm to support application is sufficient to produce & deliver an item.

OR

- (c) manufacturing facilities declared by the vendor (in-house as well as outsourced), for items involving critical technology & verified through ex-ante CV to support application is sufficient to produce & deliver an item.
- ii) Sole Selling Agents/Dealers/Stockists will be considered for registration provided they have valid authorisation from the OEM.

5.4 Time Frame: Scrutiny of credentials of vendors involve competency mapping and may at times requires clarification/ additional information from vendor. *The proposed time frame for registration of vendors where CV is not required and where CV is required to be limited to a maximum of 06 weeks and 13 weeks respectively.* However, attempts to be made to minimize the same, especially in the case of items which does not involve in Capacity Verification (CV). Annexure- 6B of the OFB PM 2018 is relevant in this regard.

5.5 Issue of Registration Certificate:

- i) OFB VRC will register the Firm and issue Vendor Registration Certificate online.
- ii) Registration will be valid for 05 years with automatic renewal unless cancelled on account of administrative reasons (Ref. Para 12.0).
- iii) Vendor registration certificate will be available in the Portal for view as well as download by the registered vendor.
- iv) Vendors, not considered for registration, will be intimated by e-mail indicating the reasons for non-consideration.

6.0 ADDITION / DELETION OF ITEMS

A registered vendor can apply for adding more item (s) or deleting item(s) in the existing Registration Certificate by applying through the respective option in the Portal. Accordingly, the registration certificate will be updated online.

7.0 PROFILE UPDATION BY VENDOR

There might be necessity of updating vendor's profile. A registered vendor can apply online for the same through the Portal.

8.0 MIGRATION OF EXISTING REGISTERED VENDORS:

Presently, the vendors are having multiple Vendor Codes for different Factories whereas in the proposed centralized Vendor Registration System each vendor will have only one Vendor Code. Migration of existing vendors require merging of multiple registration based on unique IDs. All the registered vendors in the existing system shall be migrated to new system automatically taking all due care to avoid any kind of disruption. Respective vendors will be intimated the new vendor registration code through system generated email.

9.0 REGISTRATION OF ESTABLISHED BUT UNREGISTERED VENDOR:

- a) Such vendors need to enrol & apply for registration. Their registration will be considered (without ex-ante CV) based on the evidence of being established supplier. Concerned factory should encourage vendors to follow the registration procedure. They will be considered for registration without application fee.
- b) In exceptional cases where vendor does not apply voluntarily, the registration process may be completed online with available information. They will be considered for registration without application fee in consultation with DDG of operating division.

10.0 DEEMED REGISTRATION:

There may be instances where some reputed Foreign Vendors and vendors recognised by technology providers/collaborator do not apply for registration. Such vendors may be considered as "Deemed Registered" for a period of five years without application fee in consultation with DDG of operating division.

11.0 APPLICATION FEE FOR REGISTRATION:

The application fee for fresh registration/Additional item registration shall be as under: -

a) Large Scale Industries	Rs. 10000/-
b) Medium Scale Industries	Rs. 5000/-
c) Small	Rs. 3000/-
d) Micro	Rs. 2000/-
e) Authorised Dealers / Stockist/ Sole Selling Agents	Rs. 3000/-
f) For profile updation of registered vendor	Rs. 1000/-

12.0 BANNING OF VENDOR:

Debarment/ Banning of vendor is the sole discretionary power of the competent authority and action may be taken as per the provision of Annexure-12 of OFB PM 2018.

13.0 REMOVAL OF VENDORS FROM COMPENDIUM OF REGISTERED VENDORS:

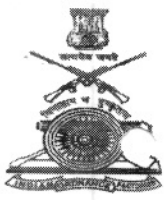
Removal of vendors from the compendium of registered vendors may be considered on the following grounds: -

- (a) If it is established that the vendor is involved in any illegal activity, unethical practices mis-representation, cheating, banned by sister ordnance factories or any directives from OFB / Ministry.
- (b) If a vendor is declared bankrupt or insolvent and in case of a limited company, it is wound up or taken into liquidation.
- (c) If the vendor itself wants to remove its name from the list of registered vendors.

In case a complaint is received against a vendor regarding falsification of documents, OFB through concerned Factory shall arrange for physical verification of credentials of the vendor. On being found to be true, the vendor should be deregistered across the whole organization. Also the process of physical verification should also have a reasonable time limit to prevent disputes from dragging for too long.

- 14.0 Minor modification to this SOP will be carried out with the approval of Ordnance Factory Board.

(End of SOP)



ENROLMENT FORM



INSTRUCTION: Please Fill up the Form Carefully & Upload Relevant Documents to Obtain Login ID & Password for Further Registration Process

VENDOR PROFILE:

1. * **NAME OF THE COMPANY (VENDOR):**

2. **ADDRESS:**

(a) * **REGD. OFFICE:**

* **POSTAL PIN CODE:**

***STD CODE:**

***PHONE NO. 1:**

(WITHOUT STD CODE)

PHONE NO. 2:

(WITHOUT STD CODE)

FAX NO.:

(WITHOUT STD CODE)

* **E-MAIL ID:**

* **MOBILE NO.:**

WEBSITE (IF ANY):

(Upload Proof of Address)

Location: whether Works/ Factory at above Address

YES **NO**

(b) **WORKS/ FACTORY:**

POSTAL PIN CODE:

STD CODE:

PHONE NO. 1:

(WITHOUT STD CODE)

PHONE NO. 2:

(WITHOUT STD CODE)

FAX NO:

(WITHOUT STD CODE)

E-MAIL ID:

MOBILE NO.:

WEBSITE (IF ANY):

(Upload Proof of Address)

3. **NAME OF PROPRIETOR /MANAGING DIRECTOR /PARTNER**

*	NAME:	<input style="width: 100%; height: 20px;" type="text"/>
*	DESIGNATION:	<input style="width: 100%; height: 20px;" type="text"/>
*	AADHAR NO.:	<input style="width: 100%; height: 20px;" type="text"/>
	DIN NO.:	<input style="width: 100%; height: 20px;" type="text"/>
*	E-MAIL ID:	<input style="width: 100%; height: 20px;" type="text"/>
*	MOBILE NO.:	<input style="width: 100%; height: 20px;" type="text"/>

4. * **ADDRESS FOR BUSINESS COMMUNICATION**

SAME AS REGD. OFFICE	SAME AS WORKS/ FACTORY	OTHER
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ADDRESS:	<input style="width: 100%; height: 20px;" type="text"/>	
POSTAL PIN CODE:	<input style="width: 50%; height: 20px;" type="text"/>	STD CODE: <input style="width: 20%; height: 20px;" type="text"/>
PHONE NO. 1:	<input style="width: 100%; height: 20px;" type="text"/> (WITHOUT STD CODE)	
PHONE NO. 2:	<input style="width: 100%; height: 20px;" type="text"/> (WITHOUT STD CODE)	
FAX NO.:	<input style="width: 100%; height: 20px;" type="text"/> (WITHOUT STD CODE)	
E-MAIL ID:	<input style="width: 100%; height: 20px;" type="text"/>	
MOBILE NO.:	<input style="width: 100%; height: 20px;" type="text"/>	
WEBSITE (IF ANY):	<input style="width: 100%; height: 20px;" type="text"/>	

5. * **DATE OF INCORPORATION OF THE COMPANY**

DATE

D	D	M	M	Y	Y	Y	Y
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(Copy of relevant Certificate should be Uploaded)

6. * **NATURE OF COMPANY**

TICK ANY ONE

- | | |
|--------------------------|------------------------------|
| a. PROPRIETARY | b. PVT. LIMITED |
| c. PUBLIC LIMITED | d. DPSU /P.S.U./ SPSU |
| e. PARTNERSHIP | f. OTHERS |

(Upload Relevant Copies of Memorandum/Article of Association/ Certificate / Partnership Deed/ Registration of Enterprise)

7. * **CATEGORY OF INDUSTRY / ENTERPRISE:**

TICK ANY ONE

a. **LARGE SCALE**

REGN. NO.:

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(Upload relevant registration documents)

b. **MSMEs (Micro, Small & Medium Enterprises)**

i. **MEDIUM SCALE**

ii. **SMALL SCALE**

iii. **MICRO**

UAM NO.:

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(UDYOG AADHAR MEMORANDUM)

(Upload Certificate)

MSME / UAM Owner belongs to Category:

GENERAL

SC

ST

OBC

8. * **BANKERS DETAILS**

• **NAME OF BANK**

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• **ACCOUNT NO.**

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• **IFSC CODE NO.**

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9. **TAX REGISTRATION DETAILS (Upload Relevant Copies for Proof) :**

* a. **PAN NO.:**

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Upload

b. **TAN NO.:**

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Upload

* c. **GSTIN :**

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Upload

10. * **AUDITED BALANCE SHEET (Upload for last 3 Consecutive Years)**

Upload Current Year

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Upload Current Year (-1 Year)

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Upload Current Year (-2 Year)

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11. **ISO/ IS CERTIFICATIONS**

YES

NO

(IF SELECT YES)

CERTIFICATIONS: (TYPES)	VALID UPTO	UPLOAD CERTIFICATE
QMS	D D M M Y Y Y Y	PDF FILE
EMS	D D M M Y Y Y Y	PDF FILE
IMS	D D M M Y Y Y Y	PDF FILE
EnMS	D D M M Y Y Y Y	PDF FILE
OHSAS	D D M M Y Y Y Y	PDF FILE
ANY OTHER CERTIFICATE	D D M M Y Y Y Y	PDF FILE

(Pull Down)

12. a. Has the Firm declared insolvent in Receivership, Bankrupt or being Wound up. YES/ NO
 b. Have Firm affairs administered by a court or a judicial officer. YES/ NO
 c. Is business activities suspended. YES/ NO
 d. Is the Firm subject of legal proceedings for any of the forgoing reasons. YES/ NO
 e. Has the Firm been debarred from Govt. Contracts YES/ NO

13. REGISTRATION WITH OTHER ORGANISATION UNDER THE MINISTRY OF DEFENCE (DRDO/ DGQA/ DGAQA/ DGANI/ DPSUS/ OTHER DEFENCE UNIT) YES NO
(If YES, upload the supporting Documents) PDF FILE

14. LOGIN ID
 RECONFIRM LOGIN ID
 PASSWORD
 RECONFIRM PASSWORD
 CHAPCHA

(Login ID & Password should be created by Vendor/ Firm & Take a note of Login ID & Password for further Login into the System)

Note: Login ID & Password Attivation Link will be sent to the Registered EMAIL ID filled in Para 2 (a)

DECLARATION

1 I/We (Name of Partner (s)/ Proprietor (s)/ Director (s) do hereby declare that the entries made in this Application Form are true to the best of my/ our knowledge and belief.

2 I/We also hereby declare that all Material / Information related to OFB shall be treated as CONFIDENTIAL and no Material / Information shall be passed on to any unauthorized person without written permission of the concerned authority of OFB.

3 I/We also undertake the responsibility to inform all subsequent changes in the constitution or working of Firm, affecting the accuracy of the details given herein will be promptly communicated to the concerned authority of OFB.

(Authorized Signature of Vendor's / Firm's Representative)
Aadhar based Signature

BACK & EDIT

PREVIEW

SAVE DRAFT

SUBMIT

(When click SUBMIT Button a POP-UP Dialogue box Prompt by System & Asked the Vendor/ Firm "Please Check & Confirm the Data fed by you are correct") **YES - for Submit NO- for Back & Edit**

4. APPLICATION FEE (Non-Refundable):

PAYMENT DETAILS: Rs.

Pay

DECLARATION

- 1 I/We (Name of Partner (s)/ Proprietor (s)/ Director (s) do hereby declare that the entries made in this Application Form are true to the best of my/ our knowledge and belief.
- 2 I/We also hereby declare that all Material / Information related to OFB shall be treated as CONFIDENTIAL and no Material / Information shall be passed on to any unauthorized person without written permission of the concerned authority of OFB.
- 3 I/We also undertake the responsibility to inform all subsequent changes in the constitution or working of Firm, affecting the accuracy of the details given herein will be promptly communicated to the concerned authority of OFB.

(Authorized Signature of Vendor's / Firm's Representative)

Aadhar based Signature

BACK & EDIT

PREVIEW

SAVE DRAFT

SUBMIT

(When click SUBMIT Button a POP-UP DIALOGUE box Prompt by System & Asked the Vendor/ Firm " Please Check & Confirm the Data fed by you are correct")**YES - for Submit NO- for Back & Edit**



Government of India
Ministry of Defence
Ordnance Factory Board
10A, S.K. Bose Road Kolkata-



REGISTRATION CERTIFICATE

This is to certify that M/s ADCD Project Limited, Kolkata is registered at Ordnance Factory Board for following Items.

Sl. No.	Category	Item Nomenclature	Factory/ Unit
1	M	TAIL UNIT FOR BOMB BODY 81 MM MORTAR	OFDC
2	M	ALUMINIUM ROD 45 MM DIA	OFDC
3	SSA	-----	-----
4	S	-----	-----
5	D	-----	-----
6	I	-----	-----

Registration No. : XXXXXXXXX

Initial/Date of Registration : 29-08-2018

Conditions of Registration:

- This Registration has been carried out based on self-declared documents furnished by Vendor.
- Changes, if any, in Address or constitution of the Firm, major Machinery/Equipment or Technology should be intimated to the Registration Authority immediately.
- The Registration Authority reserves the right to cancel this Registration Certificate at any time.
- Registration will be valid for 05 years with automatic renewal unless cancelled on account of administrative reasons

Profile Change: 03 times

E-Signature of Certifying Officer
OFB/ VRC

M stands for **Manufacturer**
S stands for **Stockiest**
D stands for **Dealer**
SSA stands **Sole Selling Agent**
I stands for **System Integrator**

NOTE: It is only a registration of vendor. It does not grant any special supply status to the Vendor. It is for the purpose of participation in Tender process only.

REPRESENTATIVE LIST OF ITEMS REQUIRING ex-ANTE CV

Sl. No.	Nomenclature	Manufacturing Technology Involved
1	FUZE T&P DA NO. 213 MK5 M2 EMPTY	CNC MACHINERY, TIMING GEAR HOBGING & ASSOCIATED TESTING/INSPECTION FACILITES
2	FUZE YDB 60 ASSEMBLY EMPTY	CNC MACHINERY, TIMING GEAR HOBGING & ASSOCIATED TESTING/INSPECTION FACILITES
3	PYROCOTTON OR PYROXYLIN CELLULOSE SHEET, WIDTH 640MM,THICK 0.52MM TO 0.56MM FOR FOR SHELL 125 MM HE 1A	MILITARY GRADE NITROCELLULOSE MANUFACTURING & ASSOCIATED TESTING/INSPECTION FACILITES
4	PYROCOTTON OR PYROXYLIN CELLULOS SHEET, WIDTH 820MM,THICK 0.29MM TO 0.34MM FOR SHELL 125 MM HE 1A	MILITARY GRADE NITROCELLULOSE MANUFACTURING & ASSOCIATED TESTING/INSPECTION FACILITES
5	EMPTY FUZE B-25M TO DRG.TRD-1778 FOR 140MM ROCKET	CNC MACHINERY & ASSOCIATED TESTING/INSPECTION FACILITES
6	FUZE A670 M ASSY FOR 30MM AMMN	CNC MACHINERY & ASSOCIATED TESTING/INSPECTION FACILITES
7	ASSEMBLY S&A FILLED FOR 40MM PFFC AMMN	MINIATURE DETONATOR MANUFACTURING AND ASSEMBLY & ASSOCIATED TESTING/INSPECTION FACILITES
8	TIME & IMPACT FUZE FFV-447 EMPT ASY FOR 84MM HE AMMN	CNC MACHINERY, TIMING GEAR HOBGING & ASSOCIATED TESTING/INSPECTION FACILITES
9	SPRING 5209544 FOR 84MM HEAT 551 AMMN	PRECISION SPRING MANUFACTURING, HEAT TREATMENT, SURFACE PROTECTION & ASSOCIATED TESTING/INSPECTION FACILITES
10	BASE PLATE 7.8 MM FOR 84MM TPT/HEAT AMMN	FIBER PLASTIC MOULDING & ASSOCIATED TESTING/INSPECTION FACILITES
11	CARTG EOFE 3 PIN NO.3 MK3 EMPTY	BRASS CARTRIDGE DRAWING, HEAT TREATMENT,MACHINING, SURFACE PROTECTION & ASSOCIATED TESTING/INSPECTION FACILITES
12	CARTG EOFE 2 PIN NO.1 MK-3	BRASS CARTRIDGE DRAWING, HEAT TREATMENT,MACHINING, SURFACE PROTECTION & ASSOCIATED TESTING/INSPECTION FACILITES
13	CELLULOID CONTAINER FOR AUGMENTING CARTRDGE	CELLULOID SHEET MANUFACTURING, EMBEDDING, FORMING & ASSOCIATED TESTING/INSPECTION FACILITES
14	BLEACH COTTON LINTER FOR NITROCELLULOSE	1. DEGREASING FACILITIES, 2. BLEACHING FACILITIES, 3.WASHING FACILITIES , 4 REFINEING & BLENDING, 5. ASSOCIATED TESTING/INSPECTION FACILITES
15	PROPELLANT RETAINING DISC FOR BMCS, M-92 HIGH ZONE, BMCS, M-91 LOW ZONE	FACILITIES FOR MANUFACTURING OF COMPLETE COMBUSTIBLE COMPONENT MADE OF NITROCELLULOSE WITH FELTING TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
16	IGNITION TUBE FOR BIMODULAR CHARGE SYSYTEM M92 HZ M91 LZ	FACILITIES FOR MANUFACTURING OF COMPLETE COMBUSTIBLE COMPONENT MADE OF NITROCELLULOSE WITH FELTING TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
17	COMBUSTIBLE CARTRIDGE CASE FOR BIMODULAR CHARGE SYSYTEM M92 HZ M91 LZ	FACILITIES FOR MANUFACTURING OF COMPLETE COMBUSTIBLE COMPONENT MADE OF NITROCELLULOSE WITH FELTING TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES

Sl. No.	Nomenclature	Manufacturing Technology Involved
18	BORE WEAR REDUCING LINER FOR BIMODULAR CHARGE SYSTEM M92 HZ M91 LZ	WAX COMPOUND COATING OVER CLOTH TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
19	STEEL BILLETS OF DIFFERENT COMPOSITIONS FOR MANUFACTURING OF MEDIUM & LARGE CALIBER SHELLS	<ol style="list-style-type: none"> 1. STEEL MELTING BY LD CONVERTER (BOF) / EAF 2. REFINING BY LF-VD/VOD 3. BOTTOM POURING CASTING FACILITIES 4. HOT ROLLING 5. ASSOCIATED TESTING/INSPECTION FACILITES
20	ALUMINIUM ALLOY PLATE FOR MANUFACTURING OF MEDIUM CALIBER CARTRIDGE CASE	<ol style="list-style-type: none"> 1. AL ALLOY SLAB DIRECT CHILL SEMI CONTINUOUS CASTING FACILITY 2. FACILITY FOR HOMOGENSTAION 3. HOT & COLD ROLLING FACILITY 4. ASSOCIATED TESTING/INSPECTION FACILITES
21	ALUMINIUM BASED MASTER ALLOY	<ol style="list-style-type: none"> 1. MELTING FURNACE 2. INGOT CASTING FACILITY 3. ASSOCIATED TESTING/INSPECTION FACILITES
22	STEEL SHEET FOR MANUFACTURING OF AMMUNITION BOXES	<ol style="list-style-type: none"> 1. STEEL MELTING 2. HOT & COLD ROLLING 3. DE COILING & COILING 4. ASSOCIATED TESTING/INSPECTION FACILITES
23	STEEL BLANKS FOR MANUFACTURING OF MEDIUM CALIBER CARTRIDGE CASES	<ol style="list-style-type: none"> 1. STEEL MELTING BY LD CONVERTE EAF/ IF 2. REFINING BY LF-VD/VOD 3. INGOT CASTING/ CONTINUOUS CASTING 4. HOT ROLLING 5. HEAT TREATMENT FOLLOWING "SPHEREODISING ANNEALING CYCLE. 6. ASSOCIATED TESTING/INSPECTION FACILITES INCLUDING CHEMICAL TESTING , CARBON/ SULPHUR ANALYSER, TENSILE TESTING, HARDNESS TESTING, METALLOGRAPHIC TESTING & ULTRASONIC TESTING
24	FSAPDS PENETRATOR	<ol style="list-style-type: none"> 1. METAL POWDER MIXING & BALL MILLING FACILITIES U/REDUCING CONDITIONS 2. COLD COMPACTION 3. SINTERING FACILITIES 4. MACHINING FACILITIES 5. ASSOCIATED TESTING/INSPECTION FACILITES
25	TUNGSTEN POWDER, IRON POWDER, COBALT POWDER, NICKEL POWDER	<ol style="list-style-type: none"> 1. CHEMICAL LEACHING PLANT/ SOLVENT EXTRACTION PLANT 2. CALCINATION FURNACE/ OXIDATION FURNACE 3. REDUCTION FURNACE (HYDROGEN ATMOSPHERE) 4. ASSOCIATED TESTING/INSPECTION FACILITES
26	PREVENTIVE COATINGS ON STEEL CARTRIDGE CASE	<ol style="list-style-type: none"> 1. ZINC PLATING 2. ASSOCIATED TESTING/INSPECTION FACILITES
27	BRASS/ GM STRIP FOR SMALL ARMS AMMUNITION CUPS	<ol style="list-style-type: none"> 1. CONTINUOUS CASTING PLANT FOR COIL CASTING (COPPER/ BRASS/ GILDING METAL) 2. COLD ROLLING FACILITIES 3. DE COILING & COILING FACILITIES 4. ASSOCIATED TESTING/INSPECTION FACILITES

Sl. No.	Nomenclature	Manufacturing Technology Involved
28	HYDRAULIC SYSTEM FOR ARTILLERY GUN	FORGING , PRECISION MACHINING, HONING, HEAT TREATMENT, SURFACE PROTECTION, ASSOCIATED TESTING/INSPECTION FACILITES & CRITICAL FUNCTIONAL REQUIREMENT
29	RAMMER FOR ARTILLERY GUN	FORGING , PRECISION MACHINING, HONING, SURFACE PROTECTION , ASSOCIATED TESTING/INSPECTION FACILITES & CRITICAL FUNCTIONAL REQUIREMENT
30	ELECTRONIC SUITE FOR ARTILLERY GUN	OPTRONICS TECHNOLOGY, MVR TECHNOLOGY, ELECTRONIC TECHNOLOGY. ALSO CRITICAL FUNCTIONAL REQUIREMENT
31	BRAKE SYSTEM FOR ARTILLERY GUN	CRITICAL FUNCTIONAL REQUIREMENT
32	LAYER STATION FOR ARTILLERY GUN	CRITICAL FUNCTIONAL REQUIREMENT
33	LOADING DEVICE FOR ARTILLERY GUN	CRITICAL FUNCTIONAL REQUIREMENT
34	LOADING TRAY FOR ARTILLERY GUN	CRITICAL FUNCTIONAL REQUIREMENT
35	COMPONENTS MADE BY MIM TECHNOLOGY	METAL INJECTION MOULDING TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
36	ARMOUR PLATE	SHEET ROLLING, HEAT TREATMENT & ASSOCIATED TESTING/INSPECTION FACILITES
37	RUN FLAT SYSTEM	RUN FLAT TIRE TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
38	BULLET PROOF GLASS	BULLET PROOF GLASS TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
39	BA SEAT	CRITICAL FUNCTIONAL REQUIREMENT
40	COMPOSITE ARMOUR	COMPOSITE ARMOUR TECHNOLOGY & ASSOCIATED TESTING/INSPECTION FACILITES
41	CRANKSHAFT FOR ENGINES	PROFILE FORGING WITH SPECIAL ALLOY STEEL MATERIAL & ASSOCIATED TESTING/INSPECTION FACILITES
42	INJECTOR ASSY FOR ENGINES	MICRO HOLE DRILLING TECHNOLOGIES & ASSOCIATED TESTING/INSPECTION FACILITES
43	FUEL INJECTION PUMP ASSY FOR ENGINES	SYSTEM INTEGRATATION & ASSOCIATED TESTING/INSPECTION FACILITES
44	SUPER CHARGER FOR ENGINES	SYSTEM INTEGRATATION & ASSOCIATED TESTING/INSPECTION FACILITES
45	TURBO CHARGER FOR ENGINES	SYSTEM INTEGRATATION & ASSOCIATED TESTING/INSPECTION FACILITES
46	HEATED PRISMS & GLASS PLATES	AUTOCLAVING , CURRENT CONDUCTION VACUUM COATING & ASSOCIATED TESTING/INSPECTION FACILITES
47	FINISHED PRISM AND POLISHED PLATES FOR DIFFERENT PERISCOPEES	PRECISION OPTICAL POLISHING , SPECIAL COATING , AUTOCLAVING & ASSOCIATED TESTING/INSPECTION FACILITES
48	FINISHED OPTICS INCLUDING CURVED & FLAT OPTICS AND GRATICULES FOR WEAPONS	PRECISION OPTICAL POLISHING , SPECIAL COATING & ASSOCIATED TESTING/INSPECTION FACILITES
49	IMAGE INTENSIFIER TUBE FOR DIFFERENT RESOLUTION	MICRO CHANNEL PLATE & ASSOCIATED TESTING/INSPECTION FACILITES

Sl. No.	Nomenclature	Manufacturing Technology Involved
50	RUBBERISING OF METTALIC PIN	INJECTION MOULDING & ASSOCIATED TESTING/INSPECTION FACILITES
51	TA WASHER T-90 FOR TRACK T-90	PRESS MACHINING & ASSOCIATED TESTING/INSPECTION FACILITES
52	TA PIN BLANK T-90 FOR TRACK T-90	COLD DRAWING , HEAT TREATMENT & ASSOCIATED TESTING/INSPECTION FACILITES
53	TA CLAMP, SHOE, GUIDE, LINK & BOLT COMPONENTS	FORGING, MACHINING, HEAT TREATMENT & ASSOCIATED TESTING/INSPECTION FACILITES
54	ROAD WHEELS FOR BMP & ITS VARIANTS	PRESSES, WELDING MACHINES, FORGING & CASTING FACILITIES, MATERIAL TESTING LAB, RUBBER VOLCUNISED MACHINE, MILLING, TURNING, GRINDING, BORING, HEAT TREATMENT FACILITIES & ASSOCIATED TESTING/INSPECTION FACILITES
55	TRACKS FOR BMP & ITS VARIANTS	STEEL FORGING MACHINES, TURNING, MILLING, GRINDING, DRILLING, MIG WELDING MACHINE, ISOTHERMIC HEAT TREATMENT FACILITY, CHEMICAL & MECHANICAL TEST LAB, SHOT BLASTING MACHINE & ASSOCIATED TESTING/INSPECTION FACILITES
56	COMPRESSOR PLANT FOR BMP & ITS VARIANTS	SPM FOR M/C OF CONNECTING ROD, CYLINDERS AND PISTONS, AL. CASTING FACILITY, WELDING MACHINES, TURNING, MILLING, SLOTTING, GRINDING, HONING & LAPPING FACILITY & ASSOCIATED TESTING/INSPECTION FACILITES INCLUDING HIGH PRESSURE TESTING FACILITIES
57	HULL ELEC. EQPT FOR BMP & ITS VARIANTS	PRESSES, WELDING MACHINES, MILLING, TURNING, ASSY. FIXTURES, SOLDERING & ASSOCIATED TESTING/INSPECTION FACILITES
58	RADIATORS & OIL COOLERS FOR BMP & ITS VARIANTS	LEAD BATH FURNACE, PRESSES, FLARING MACHINES, CRITICAL TEST RIGS, CRITICAL MEASURING EQPTS., , WELDING, BRAZING, SOLDERING EQPTS., MACHINE SHOP & ASSY. SHOP & ASSOCIATED TESTING/INSPECTION FACILITES
59	HYDRAULIC SHOCK ABSORBERS FOR BMP & ITS VARIANTS	MACHINE SHOP INCLUDING GRINDING, BORING, HONING, LAPPING MACHINES, HEAT TREATMENT FACILITY, & ASSOCIATED TESTING/INSPECTION FACILITES INCLUDING METAL TESTING FACILITY
60	SPRING ASSY. FOR BMP & ITS VARIANTS	SPM FOR TELESCOPIC SPRING MFG, MILLING, WELDING TURNING MACHINES, ASSY. FIXTURE & LOAD TESTING & ASSOCIATED TESTING/INSPECTION FACILITES
61	MECHANICAL COMPONENTS HAVING MORE THAN FIVE CONTROL DIMENSIONS	MACHINING & ASSOCIATED TESTING/INSPECTION FACILITES
62	ELECTRONIC SUB-ASSY, ASSEMBLIES, MULTI LAYERED PCB	1. PCB DESIGNING 2. COMPONENTS SELECTION 3. ASSOCIATED TESTING/INSPECTION FACILITES
63	ELECTROCHEMICAL/ OPTOELECTRONIC/ OPTOMECHANICAL SUBASSEMBLIES / ASSEMBLIES	ASSEMBLY AND TESTING & ASSOCIATED TESTING/INSPECTION FACILITES
64	NIGHT VISION DEVICES HAVING IR & DLC COATING, PRISM HAVING MORE THAN 3 PRECISE REFRACTING FACES & WINDOW MADE OF GERMINIUM / ZINC SULPHIDE	AUTOCLAVING, VACUUM COATING, OPTICAL POLISHING, PRECISION MACHINING & ASSOCIATED TESTING/INSPECTION FACILITES

Sl. No.	Nomenclature	Manufacturing Technology Involved
65	PRECISE CASTING OF THE MAIN BODIES OF VARIOUS VISION MACHINE DEVICE	CASTING & PRECISION MACHINING & ASSOCIATED TESTING/INSPECTION FACILITES
66	COOLING SYSTEM	FURNACE FOR BRAZING, PRESS FOR FORMING, MFG. FACILITY FOR RADIATOR FINS, TIG & MIG, PRESSURE TESTING FACILITY, VIBRATION TESTING FACILITY, TEST FACILITIES AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES
67	DISC DRIVING ASSY	PRECISION MACHINING INCLUDING INTERNAL GEAR CUTTING FACILITIES, EXPERIENCE IN MANUFACTURING OF FRICTION CLUTCHES, TEST FACILITIES FOR TESTING THE ITEMS AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES
68	GEAR BOX WITH SUCTION PUMP AND FINAL DRIVE - RIGHT & GEAR BOX WITH DELIVERY SUCTION PUMPS WITH FINAL DRIVE - LEFT	PRECISION MACHINING, BROACHING, GEAR HOBGING & SHAPING MACHINE, CYLINDRICAL GRINDING, BORE GRINDING, SURFACE GRINDING, HONING, GEAR GRINDING & LAPPING, 3D CMM, GEAR PROFILE TESTER, GEAR ROLL TESTER & ASSOCIATED TESTING/INSPECTION FACILITES
69	TRACK ASSEMBLY	FOUNDRY FACILITY FOR FERROUS MATERIALS, PRECISION MACHINING , ASSEMBLY, RUBBERISATION OF TRACK SHOE BUSH & ASSOCIATED TESTING/INSPECTION FACILITES
70	AVIATION COMPRESSOR AK150C OR AK150CB	PRECISION MACHINING, JIG BORING, CYLINDRICAL GRINDING, LAPPING, MFG. ASSY AND TESTING OF COMPRESSORS WITH THE PRESSURE RANGE AROUND 150 KG/CM2, SOPHISTICATED INSPECTION & ASSOCIATED TESTING/INSPECTION FACILITES
71	2 TYPES OF CERAMETALLIC DISC ASSY - WITH STAMPED GROOVE	PRECISION MACHINING AND SURFACE GRINDING FACILITY, INTERNAL GEAR CUTTING MACHINE OF REQUIRED SIZE, FACILITY OF POWDER METALLURGY & ASSOCIATED TESTING/INSPECTION FACILITES
72	2 TYPES OF DISC WITH HUB ASSY	FACILITIES FOR FORGING OF ALUMINIUM ALLOY DISCS OF SIZE MIN. 665 MM, WEIGHING 90 KG AND MACHINING FACILITIES FOR FINISHING THE DISCS OF SIZE 665 MM (CNC VERTICAL TURNING LATHES ARE PREFERABLE) & ASSOCIATED TESTING/INSPECTION FACILITES
73	DISTRIBUTION MECHANISM	CNC PRECISION MACHINING CENTRE, SPLINE CUTTING, GEAR CUTTING AND GEAR GRINDING, CYLINDRICAL GRINDING, HONING, TEST FACILITIES FOR TESTING THE ITEMS AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES
74	DISC WITH OUTER TEETH & DISC WITH EXTERNAL TEETH	PRECISION MACHINING AND SURFACE GRINDING FACILITY, GEAR HOBGING MACHINE OF REQUIRED SIZE, SPM FOR TOOTH ROLLING AS PER SPECIFICATIONS & ASSOCIATED TESTING/INSPECTION FACILITES
75	ELECTRICAL DC MOTORS - GUN LOCK, MY431 MOTOR	MANUFACTURE UP TO 1KW DC MOTOR, ASSEMBLY AND TESTING OF ELECTRO MECHANICAL DEVICES HAVING ELECTRIC MOTOR AND MICRO SWITCHES, CASTINGS, TEST FACILITIES FOR TESTING THE ITEM AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES

Sl. No.	Nomenclature	Manufacturing Technology Involved
76	HYDRAULIC VALVES	MFG. OF HYDRAULIC VALVES OPERATING AT A PRESSURE RANGE 20KG/CM2, PRECISION MACHINING, BORING, HONING, LAPPING, CASTINGS, FORGINGS & FABRICATION WORK, MANUFACTURING OF ELECTROMAGNETS & ASSOCIATED TESTING/INSPECTION FACILITES
77	OIL PRIMING PUMPS	ASSEMBLY AND TESTING OF ELECTRO-MECHANICAL DEVICES, STATOR & ROTOR WINDING, PRECISION MACHINING, TEST FACILITIES FOR TESTING THE ITEM AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES
78	PNEUMATIC VALVES	FACLITIES FOR MFG. OF PNEUMATIC VALVES OPERATING AT A PRESSURE RANGE 150 KG/CM2, PRECISION MACHINING, BORING, HONING, LAPPING, CASTINGS, FORGINGS & FABRICATION WORK, MFG OF COMPRESSED AIR CYLINDERS, MFG OF SOLENOIDS & ASSOCIATED TESTING/INSPECTION FACILITES
79	CONTROL UNITS	FACILITY FOR COMPONENTS ASSEMBLING & SOLDERING ON PCB, ANTI STATIC, HUMIDITY FREE LAB FACILITY FOR PCB ASSEMBLING & TESTING IS DESIRABLE, EXPERIENCE IN MANUFACTURING OF SIMILAR COMPONENTS , ASSY & ASSOCIATED TESTING/INSPECTION FACILITES
80	ELECTRO MECHANICAL DEVICES	FACILITY FOR ASSEMBLING & TESTING ELECTRO MECHANICAL DEVICES LIKE DC MOTORS, MOTORISED PUMPS, RELAYS, ELECTROMAGNETS, LIMIT SWITCHES, POWER CONTACTS AND PANELS, FACILITY FOR WINDING & ASSOCIATED TESTING/INSPECTION FACILITES
81	AUTOMATIC LOADING GEAR - ALG	FACILITY FOR MANUFACTURING AND ASSEMBLY OF ELECTRICAL, ELECTRONIC & ELECTRO MECHANICAL ITEMS, CABLES, MICRO SWITCHES, PCB, MY431 MOTORS, ELECROMAGNET & TESTING LAB FACILITY & ASSOCIATED TESTING/INSPECTION FACILITES
82	TRACK	FORGING, CNC PRECISION MACHINING, DRILLING, BORING, BROACHING, SPM FOR ROLLING OF TRACK PIN, TEST RIG, TEST FACILITY AS PER QAI, TY (RUSSIAN) SPEC. & ASSOCIATED TESTING/INSPECTION FACILITES
83	STARTER GENERATOR	FACILITY FOR ASSEMBLING & TESTING DC GENERATORS OF MINIMUM 20 KW, WINDING & PRECISION MACHINING, TEST FACILITIES FOR TESTING THE ITEMS AS PER QAI & TY (RUSSIAN) & ASSOCIATED TESTING/INSPECTION FACILITES
84	TACHO GENERATOR AND ELECTRIC SPEEDOMETER SENDING UNIT DRIVE	FACILITY FOR MINIATURE MOTOR, GENERATOR ASSEMBLY & PRECISION ELECTRO MECHANICAL UNITS, PRECISION MACHINING CENTRE, FACILITY FOR ELECTRICAL CABLES , FLEXIBLE SHAFT AND GEARS & ASSOCIATED TESTING/INSPECTION FACILITES