

# **INDIGENISATION OF ITEMS BEING IMPORTED BY ORDNANCE FACTORIES**

**(UPDATED AS ON 12.05.2020)**

1. Achieving self-reliance through indigenization of items with the association of Indian vendor is one of the key objectives of OFB. For this purpose, focus of OFB has been on reducing dependency on imports and indigenization of items presently being imported. OFB has identified items which, are being imported and are intended to be indigenized through Indian vendors.
2. Factory wise list of items is given at links below along with details of Nodal officers.
3. Interested firms may contact the concerned Nodal Officers to obtain more details about these items and any other related queries.
4. Please click at the link below to go to relevant webpage of the concerned Ordnance Factory:

S. No.	Name/ Address of Unit	Nodal Officer Contact Details	View/Download List of items
1.	Ordnance Factory Board, S. K. Bose Road Kolkata, India PIN – 700 027	Shri Shalabh Prakash DDG/MM PH: 033-22130282, 8826461732 Fax: 033-22486903 Email: <a href="mailto:shalabh.prakash27@nic.in">shalabh.prakash27@nic.in</a> <a href="#">Top of the Document</a>	
2.	Ordnance Factory Khamaria Khamaria Jabalpur PIN - 482005 Madhya Pradesh, India.	Shri AK Patel Jt. General Manager Address: C/o Ordnance Factory Khamaria Phone : 0761-2742427, 8989584832 Fax : 0761-2337301, 2430202 Email: <a href="mailto:akpatel.ofb@nic.in">akpatel.ofb@nic.in</a>	List of Items of OFK at <a href="#">Page 5</a>
3.	Engine Factory Avadi Chennai PIN - 600054 Tamil Nadu, India.	Shri G. Srinivasan Jt. General Manager Address: C/o Engine Factory Avadi PH: 044-2684 1195/5109, 9962674448 Fax: 044-2684 0437 Email: <a href="mailto:gsrinivasan.ofb@ofb.gov.in">gsrinivasan.ofb@ofb.gov.in</a>	List of Items of EFA at <a href="#">Page 8</a>
4.	Heavy Vehicle Factory Avadi Chennai PIN - 600054 Tamil Nadu, India.	Shri R. Sathish Kumar Jt. General Manager Address: C/o Heavy Vehicle Factory, Avadi PH: 044-26843030, 9448726626 Fax: 044-26841824 Email: <a href="mailto:hvfprojects.ofb@ofb.gov.in">hvfprojects.ofb@ofb.gov.in</a> <a href="mailto:kr.sathish.ofb@ofb.nic.in">kr.sathish.ofb@ofb.nic.in</a>	List of Items of HVF at <a href="#">Page 9</a>
5.	Ordnance Factory Varangaon P.O. - O .F. Varangaon City - Bhusaval Dist : - Jalgaon PIN - 425308 Maharashtra, India	Shri R.R.B. Ambati Works Manager Address: C/o Ordnance Factory Varangaon PH: 02582-282230, 9673827005 Fax: 02582-277822 Email: <a href="mailto:rajaambati.ofb@ofb.gov.in">rajaambati.ofb@ofb.gov.in</a>	List of Items of OFV <a href="#">Page 13</a>
6.	Ordnance Factory Badmal At-Post: Badmal PIN-767 070 Distt-Bolangir Orissa, India.	Shri P.K. Pandey Jt. General Manager Address: C/o Ordnance Factory Badmal PH: 06655-250034, 9433309964 Fax: 06655-250271/250561 Email: <a href="mailto:pkpandey.ofb@ofb.gov.in">pkpandey.ofb@ofb.gov.in</a>	List of Items of OFBL <a href="#">Page 13</a>



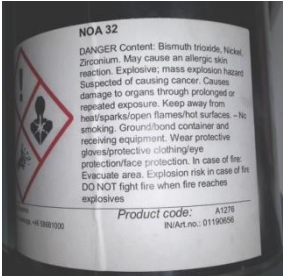


<b>7.</b>	Ammunition Factory Khadki Khadki Pune PIN - 411003 Maharashtra, India.	Shri Gyaneshwar Tyagi Additional General Manager Address: C/o Ammunition Factory Khadki PH: 020-25922013, 9096547770 Fax: 020-25813205 Email: <a href="mailto:gyaneshwartyagi.ofb@ofb.gov.in">gyaneshwartyagi.ofb@ofb.gov.in</a>	List of Items of AFK <a href="#">Page 15</a>
<b>8.</b>	Ordnance Factory Bhandara Jawaharnagar Bhandara PIN - 441906 Maharashtra, India.	Shri D.K.Urkude Dy. General Manager Address: C/o Ordnance Factory Bhandara PH: 07184-275088, 8806962180 Fax: 07184-275317 Email: <a href="mailto:dkrishnaraurkude.ofb@ofb.gov.in">dkrishnaraurkude.ofb@ofb.gov.in</a>	List of Items of OFBa <a href="#">Page 15</a>
<b>9.</b>	Ordnance Factory Medak Yeddumailaram Medak District PIN - 502205 Andhra Pradesh, India.	Shri Tanmay Jaiswal Asst Works Manager Address: C/o Ordnance Factory Project Medak PH: 040-23283266, 9772124446 Fax: 08455-239074 Email: <a href="mailto:tanmayjaiswal.ofb@ofb.gov.in">tanmayjaiswal.ofb@ofb.gov.in</a>	List of Items of OF Medak <a href="#">Page 16</a>
<b>10.</b>	Ordnance Factory Dehradun Dehradun PIN - 248008 Uttaranchal, India.	Shri Kailash Prasad Additional General Manager Address: C/o Ordnance Factory Dehradun PH: 0135-2780047, 9411112365 Fax: 0135-2787177 Email: <a href="mailto:kailashprasad.ofb@ofb.gov.in">kailashprasad.ofb@ofb.gov.in</a>	List of Items of OFDUN <a href="#">Page 17</a>
<b>11.</b>	Ordnance Factory Ambajhari Amrawati Road, Nagpur PIN - 440021 Maharashtra, India.	Shri Shailesh Rajan Jt. General Manager Address: C/o Ordnance Factory Ambajhari PH: 07104-246292, 9874744482 Fax: 07104-246705 Email: <a href="mailto:shaileshrajan.ofb@ofb.gov.in">shaileshrajan.ofb@ofb.gov.in</a>	List of Items of OFAJ <a href="#">Page 17</a>
<b>12.</b>	Heavy Alloy Penetrator Project HAPP Township Tiruchirappalli PIN - 620025 Tamil Nadu, India.	Shri Prabhu T Jt. General Manager Address: C/o Heavy Alloy Penetrator Project, Tiruchirappalli PH: 0431-2581151,2584209,9443348995 Fax: 0431-2581891 Email: <a href="mailto:tprabhu.ofb@ofb.gov.in">tprabhu.ofb@ofb.gov.in</a>	List of Items of HAPP <a href="#">Page 18</a>

<b>13.</b>	Machine Tool Prototype Factory Ambarnath (West) Thane Dist PIN - 421 502 Maharashtra, India.	Shri Mohd. Zuber Works Manager Address: C/o Machine Tool Prototype Factory PH: 0251-2613229, 7219191237 Fax: 0251-2613065 Email : <a href="mailto:mohdzuber.ofb@nic.in">mohdzuber.ofb@nic.in</a>	List of Items of MPF <a href="#">Page 19</a>
<b>14.</b>	Gun and Shell Factory, Cossipore, Kolkata Pin-700002, West Bengal, India.	Shri PK Behera Additional General Manager Address: C/o Gun and Shell Factory, Cossipore PH: 033-25567773, 9433255445 Fax: 033-25574390 Email: <a href="mailto:pkbehera.ofb@ofb.gov.in">pkbehera.ofb@ofb.gov.in</a>	List of Items of GSF <a href="#">Page 19</a>
<b>15.</b>	Ordnance Factory Tiruchirappalli Tamilnadu PIN-620016	Shri Seelam Krishna Swamy Jt. General Manager Address: C/o Ordnance Factory Tiruchirappalli PH:0431-2581291 to 296, 9442111655 Fax: 0431-2581136 Email: <a href="mailto:skswamy.ofb@ofb.gov.in">skswamy.ofb@ofb.gov.in</a>	List of Items of OFT <a href="#">Page 20</a>
<b>16.</b>	Ordnance Factory Chanda Bhadrawati District - Chandrapur PIN - 442501 O.F.Chanda Maharashtra, India.	Shri Naveen Kumar Gahlot Jt. Director Address: C/o Ordnance Factory Chanda PH: 07175- 261021, 9766121982 Fax: 07175-254043/ 254276 Email: <a href="mailto:rkahlot.ofb@ofb.gov.in">rkahlot.ofb@ofb.gov.in</a>	List of Items of OFCH <a href="#">Page 21</a>
<b>17.</b>	Rifle Factory Ishapore P.O. Ichapur-Nawabganj Dist. 24 Parganas (North) PIN - 743144 West Bengal, India	Shri Ajeet Kumar Works Manager Address: C/o Rifle Factory Ishapore PH: 033-2596 3338, 9836336758 Fax:033-25937200, 7142 Email: <a href="mailto:ajeetkumar.ofb@ofb.gov.in">ajeetkumar.ofb@ofb.gov.in</a>	List of Items of RFI <a href="#">Page 21</a>
<b>18.</b>	Opto Electronics Factory Raipur, Dehradun PIN - 248008 Uttaranchal, India.	Dr. V.K.Rathi Additional General Manager Address: C/o Opto Electronics Factory PH: 0135-2787101, 9412053483 Fax: 0135-2787181 Email: <a href="mailto:kvrathi.ofb@ofb.gov.in">kvrathi.ofb@ofb.gov.in</a>	List of Items of OLF <a href="#">Page 22</a>


**ITEMS/COMPONENTS BEING IMPORTED/TO BE INDIGENISED**  
**(Updated as on 12-05-2020)**

Factory : **Ordnance Factory Khamaria, Jabalpur**




S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Proximity Fuze FB-40 for 40mm PFFC Ammn	STM 5690.001 (RU.U02)	27000 nos	4040.01	8000 nos	
2.	Smokeless Pyroxylyene Propellant Powder for 14.5mm Ammn	OST-B 84-2232-85 GR 5/7 H/a to Specn. TY AY No.05074-58	Nil	Nil	Nil	
3.	Adhesive V No.3880 (for 84mm HEAT 551)	Contact Adhesive based on Polychloroprene Rubber	Nil	Nil	Nil	
4.	Assembly SAD	Drg No.366.990.1 Set of 33items	47000 nos	1319.81	8000 nos	
5.	Bostik Contact Adhesive A5 (for 84mm HEAT 551)	Art No.2698 Bar Code 7311020026981	Nil	Nil	Nil	
6.	Composition TO-34	Special Gun Powder having very negligible ash content GOST-B25490-82	75 Kg	29.39	23 Kg	

7.	Micro Electric Detonator	Drg No.051.012.0 Set of 33 items	47000 nos	339.56	8000 nos	
8.	Detonator N8T (for 84mm HEAT 551)	Electric Detonator filled with Graphite Silver Azide, Silver Azide & RDX	Nil	Nil	Nil	
9.	Composition NOA-32	Zirconium Nickel Based Ignition Composition	Nil	Nil	Nil	
10.	Composition NOA-34(for 84mm HEAT 551)	Zirconium & Bismuth Trioxide based Delay Composition	Nil	Nil	Nil	
11.	Safety Spring(for 84mm HEAT 551)	One End Folded & made up of EN-10088-2	Nil	Nil	Nil	
12.	Set of 4 Spring(for 84mm HEAT 551)	Contact Spring EN-10270-3 Safety Spring EN-10088-2 Conical Spring EN-10088-3 Arming Spring Sandvik 11R 50HV	Nil	Nil	Nil	

13.	Varnish Bonosol Red(for 84mm HEAT 551)	Toluene based varnish	Nil	Nil	Nil	
14.	Z-47F(for 84mm HEAT 551)	Potassium Nitrate, Boron & Polybutylmethacrylate based ignition composition	Nil	Nil	Nil	
15.	Base Plate(for 84mm HEAT 551)	Drg.No.6436977	Nil	Nil	Nil	
16.	Rocket Motor Charge(for 84mm HEAT 551)	DRG NO.5209567 (SPECN. NO.0813327)	33150 nos	2807.06	Nil	
17.	NSO 304(for 84mm HEAT 551)	W9-338-1 to ART/DOC.No.10366555	Nil	Nil	Nil	
18.	NSO30(for 84mm HEAT 551)	W9-296-1 to ART/DOC.NO.11001979	Nil	Nil	Nil	

19.	ADEN Link MK-I for 30MM ADEN Ammn	Link MK-I to DESICNER'S REF.D.5.(E)10050/161 Issue 6A dated 30-10-64 for 30MM ADEN Ammunition.	Nil	Nil	55100 nos	
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Factory : **Engine Factory Avadi**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (in USD)	Approx annual requirement (2020-21)	Picture
1.a)	Cylinder Block Crank case for UTD-20 Engine – Casting	Drg. No. 20-01-16-10	477 Nos	4539913.20 USD	216 Nos	<b>BLOCK CRANK CASE ASSY</b> 20-01-16-10 casting – ( UTD-20 ENGINE) 
1.b)	Cylinder Block Crank case for UTD-20 Engine – Fully finished	Drg. No.SB 20-01-02-9	390 Nos	4657029 USD	97 Nos	<b>BLOCK CRANK CASE ASSY</b> SB 20-01-02-9 – ( UTD-20 ENGINE) 
2.	Fuel Pump Assy. for UTD-20 Engine	Drg. No. SB 20-27-00-4	1170 Nos	6032237.90 USD	868 Nos	<b>FUEL INJECTION PUMP</b> SB 20-27-00-4 – ( UTD-20 ENGINE) 







Factory : **Heavy Vehicle Factory, Avadi**

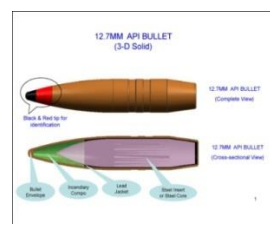
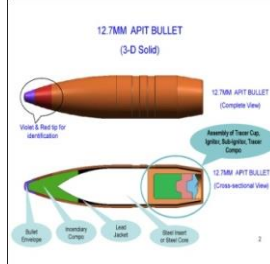
S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Automatic Unit B13 Technical Specifications	B13.000TY	85	12.79	100	
2.	Alarm Signalling Unit BAC-6A Assy	BAC6A.000CB	241	7.22	160	
3.	Relay Regulator P15M-3C	P15M-3C.000CB	195	12.27	100	
4.	Unit PKUZ-1A	AED1.570.001TY1	118	30.56	100	

5.	Starter Generator (T-90)	CG-18-1CTY	117	6.37	100	
6.	Starter Generator (T-72)	CG.10.1C.000CB	109	3.50	100	
7.	Converter PAG-1F	TY:002.016	110	2.50	175	
8.	Fire Fighting Eqpt	188.82SP-3	160	12.83	100	
9.	Optical Sending Unit OD1-1C	OD1.1C.000TY	100	2.91	100	

10.	Mtg. of Gyro Compass GPK-59	175.70.071CB	998	1.02	250	
11.	Pre Heater	188.36.001CB	33	10.94	100	
12.	Radiators with Rack Assy	188.31.124CBCB	150	53.51	100	
13.	Booster	172.87.134CB-ACB	88	1.90	175	
14.	Vaccum Cleaner	MTO.1.35CB-ACB	86	4.79	100	

15.	BKY-1 With Rotary Air Device Assy(TCRB)	185.86.007CB-1CB	70	0.81	175	
16.	Generator Set, Gasoline Engine Battery Charger 1KW, DC	C.NO.Z/66115-003825	189	2.21	40	
17.	Tachometer Generator and Electric Speedometer sending Unit Drive (T-90)	188.44SP	18	3.64	100	
18.	Tank Assy	188.86.045CBCB	71	0.367	100	

Factory : **Ordnance Factory Varangaon**

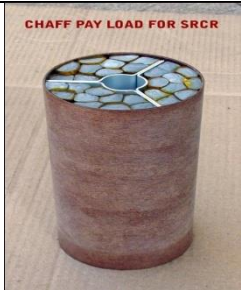


S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
01.	Filled Bullet (API)	Drg. No.57-b3-542-010Cb Bullet b 32 to Cartg. 12.7MM	Nil (However, 10.69 Lac used from the stock available)	772	10.69 Lac	
02.	Filled 12.7MM Armour Piercing (UOQ-Nos)	Incendiary Tracer Bullet (APIT) b3T-44 to Drg. No.57-b3T-542	Nil (However, 13.93 Lac used from the stock available)	1128	6.95 Lac	
03.	Armour Plate	20MM thick to Russian Spen No. GOST B 19526-74	Nil (However, total 05 Nos used from the stock available)	11	2 nos	

Factory : **Ordnance Factory Badmal, Dist : Bolangir**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (in USD)	Approx annual requirement (2020-21)	Picture
01.	P.C.Sheet 0.29mm thick	Pyrocotton (Pyroxylin Cellulos) Sheeet to Specn. OST-B-84-807-83, Width 820mm, thick 0.29mm to 0.34mm (Roll of 80 Kgs)	6304 Kg	121793.28 USD	Nil	--
02.	P.C.Sheet 0.52mm thick	Pyrocotton (Pyroxylin Cellulos) Sheeet to Specn. OST-B-84-807-83, Width 640mm, thick 0.52mm to 0.56mm (Roll of 80 Kgs)	18998 Kg	367041.36 USD	Nil	--
03.	Russian Glue	Russian Glue (Phenol Polyvinyl Acetal adhesive) highest grade b 0-4 to Spen. TY.20.52.10-061-13999838-2016	842 Kg	74584.36 USD	Nil	--

04.	Epoxy Resin	Epoxy Resin (odified) K-201 o Specn: TY 2225-597-11131395-01	625.5 Kg	62668.845 USD	Nil	--
05.	Polyethylene Polyamine	Polyethylene Polyamine GR-A to Spen: TY 2413-357-0020344799	109 Kg	14270.28 USD	Nil	--
06.	Nitromastic Special without Talc	Nitromastic Special without Talc to Specification OST B 84-75-75	514 Kg	39099.98 USD	Nil	--
07.	Varnish AC-583	Varnish AC-583 to Specn: TY 6-10-1121-99	1355 Kg	90324.3 USD	Nil	--
08.	Nitromastic Special with Talc	Nitromastic Special with Talc to Specification OST B 84-75-75	354.2 Kg	26943.994 USD	Nil	--
09.	Propellant Pyro Powder 12/7	B/A to USSR Specification TY/AY No. 05210-59 & Specification OSTB 84 – 2232 -85 and Ballistic Requirement as per DRG.No. 3-026892 4*40.T51 to T53	80146 Kg	1888239.76 USD	Nil	--
10.	Propellant Pyro Powder 15/1	B/A to USSR Specification TY/AY No. 05210-59 & Specification OSTB 84 – 2232 -85 and Ballistic Requirement as per DRG.No. 3-026892 4*40.T51 to T53	103572 Kg	3157910.28 USD	Nil	--

Factory : **Ammunition Factory Khadki, Pune**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value	Approx annual requirement (2020-21)	Picture
1.	Chaff Pay Load for SRCR	As per IHQ/DGNAI procurements AI/4141 dtd 05/05/2010 & 09/08/2010	Nil	NA	3658 Nos	 A cylindrical container with a brown, textured surface and a top cover featuring a grid of small, colorful (blue, yellow, green) elements. The text "CHAFF PAY LOAD FOR SRCR" is visible at the top.
2.	Chaff Pay Load for MRCR		Nil	NA	2139 Nos	 A cylindrical container with a light grey, textured surface and a top cover with a grid of small, colorful elements. The text "CHAFF PAY LOAD FOR MRCR" is visible at the top.
3.	Chaff Pay Load for LRCR		Nil	NA	539 Nos	 A cylindrical container with a silver, metallic surface and a top cover with a grid of small, colorful elements. A black band is wrapped around the middle. The text "CHAFF PAY LOAD FOR LRCR" is visible at the top.

Factory : **Ordnance Factory, Bhandara**



S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	War special No. 6 Grade-I	Wax special No. 6 Grade-I (white colour to specification No. CS-5301-B)	14250 Kg	76.92	Nil	--

Factory : **Ordnance Factory Medak**


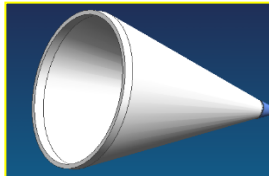
S. No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value	Approx annual requirement (2020-21)	Picture
1.	Decontamination Set Drg No. 29	TY6280	320	338680 EURO	150 Nos	
2.	Spring to Drg No. 765-33-cd107	STEEL 60C2, GOST:14959-79	3817	449407.5 EURO	600 Nos	
3.	Optical Quadrant KO-60M	GOST:14967-80/3-817-001PS	164	817741.8 USD	Nil	
4.	Metallic sectioned ammunition belt for 7.62mm PKT cartridge, 323527 6P7 CD	Ty MO No. 5443-65	2633	198844.1 6 Euro	1500 belts	
5.	Al sheet 12x800x1650mm Grade D20B GOST90048	Grade D208 OST1-90048-77	0	0	9975 Kgs	
6.	Al sheet 5x1250x2500mm Grade D20A-5, OCT	Grade D20A-5, OST 1.90246-77	0	0	1888 Kgs	




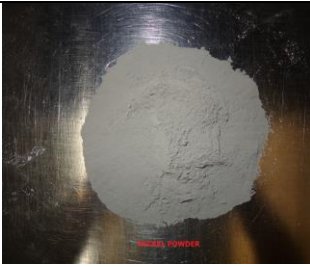

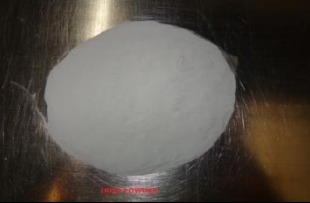
Factory : **Ordnance Factory Dehradun**

S. No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Light Source	Drg. No. F1303-032280	3140 nos	442	1000 nos	
2.	Luminous Strip	Drg No. 304044127 MCT-3072	11645 nos	95.13	2800 nos	

Factory : **Ordnance Factory Ambajhari**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Tail (Cold Extruded)	OFAJ Drg. No.CC-507 C	Nil	Nil	Nil	
2.	Copper Liner	FFV Drg. No. 5 209 561 confirming to specification 0 813 336 and 0 813 338	Nil	Nil	Nil	
3.	Alluminium Alloy Al Zn4, 5 MG 1F 35 DIN 1725/1	Extruded hollow profile in the length of 4850+20MM for MG as per Drg. No. IM0584	888 Nos	1204.34	Nil	--
4.	Alluminium Alloy Al Zn4, 5 MG 1F 35 DIN 1725/1	Extruded hollow profile in the length of 4850+20MM for KERB as per Drg. No. VLW31416	81 Nos	14.69	Nil	--

Factory : **Heavy Alloy Penetrator Project, Tiruchirappalli**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Tungsten Powder	CQAM-58	76 ton	1700	Nil	
2.	Nickel Powder	CQAM-58	Nil	Nil	Nil	
3.	Cobalt Powder	CQAM-58	0.49 ton	79	Nil	
4.	Iron Powder	CQAM-58	3.25 ton	58	Nil	
5.	Aluminium Alloy bar 135 dia	7075	Nil	Nil	Nil	--
6.	Alumina Powder	105RA	0.23 ton	11	Nil	--
7.	Molybdenum Batt	MLR Quality	0.45 ton	28	Nil	--

Factory: **Machine Tool Prototype Factory, Ambarnath**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Battery IM002	Battery IM002 to DWG. G0028000 (equivalent to Battery PX20 DWG 1000167)	12460 Nos	356	Nil	--
2.	Medium Size Ampoule Reserve	Medium Size Ampoule Reserve Battery VCG152S10-00	9500 Nos	275	Nil	--
3.	Composition Isurane	Composition Isurane TR-30	630 Kgs	15.25	Nil	--
4.	Eterol-341	Eterol-341	575 Kgs	16.22	Nil	--
5.	Catalyst Adycat-8	Catalyst Adycat-8	7.6 Kgs	0.29	Nil	--
6.	CAF4	CAF-4(100 gms)	446 Nos	6.64	Nil	--
7.	Electric Motor	Electric motor to Drg. No. ED-76.000 GCH for T-90	150 Nos	384	196 Nos	--
8.	Synchroresolver	Synchro resolver 2.5 watt with coupling assy to Drg No. 188.94.026CBCB	150 Nos	330.56	140 Nos	--
9.	Installment of Tachogenerator	Installation of Tachogenerator Assy to Drg No. 188-94-005CBCB	150 Nos	275.39	140 Nos	--
10.	Hub Reduction gear Unit	Hub Reduction Gear consisting of Left and Right Wheel Hub Assy to ZF Part No. 4464006 250, Make:ZF	Nil	Nil	Nil	--

Factory: **Gun & Shell Factory, Cossipore**

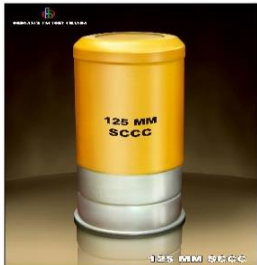


S.No.	Nomenclature of item	Brief specifications/ description	Qty procured during last 3 yrs	Approx Value	Approx annual requirement (2020-21)	Picture
1.	AO 18 Gun Unit	Reqd for AK630M naval gun. This is the Gun unit consist of 06 barrel and firing capacity of 900 rounds per minute	21	10080000 USD	8	--
2.	Pneumatic Belt Feed Booster	Reqd for AK630M naval gun. This is used to feed the ammunition from Magazine to Gun Unit	25	625 Lac	8	--
3.	Pneumatic Group	Reqd for AK630M naval gun. This is the pneumatic system which performs loading of ammn to spiral path of gun system	25	350 Lac	8	--

4.	84mm MK-III Barrel Assy	Reqd for 84mm MK-III Gun. This is barrel assembly unit consists of carbon filament wound Barrel along with 17 peripheral components	3300	198165000 SEK	1100-1300	--
5.	Impact Protector Muzzle	Reqd for 84mm MK-III Gun. This is Polyurethane item used for protecting shock at ventury end	3300	2640000 SEK	1100-1300	--
6.	Front Sight with Illuminating Point	Reqd for 84mm MK-III Gun. This item consists of Aluminium casting with 01 No. Tritium Pin as illuminating point fixed with LOCTITE 380	3300	3168000 SEK	1100-1300	--
7.	Aperture Sight with Illuminating Point	Reqd for 84mm MK-III Gun. This item consists of Aluminium casting with 02 No. Tritium Pin as illuminating point fixed with LOCTITE 380	3300	6055500 SEK	1100-1300	--
8.	Recuperator Spring	Reqd for Barrel Assy of L70 Gun. This is a close coil helical spring	20	156980 SEK	10	--
9.	Actuator Spring	Reqd for Breech Mechanism at L70 Gun. This is a spiral spring of flat type strip.	20	500000 SEK	10	--

Factory : **Ordnance Factory, Tiruchirapalli**

S.No.	Nomenclature of item	Brief specifications/ description	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Receiver	Receiver to Drg. No. 2A42.01.004 required for 30mm CANNON (C1004)	50	91.75	52	--
2.	Spring Helical Compression	Spring Helical Compression to Drg No. 2A42 01036 DS CAT No.:5360-007793	405	14.77	505	--



Factory : **Ordnance Factory Chanda, Chandrapur**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	SCCC Filled	Drg. No.3- 026892 Index 4*40 PS- CQA(A)/PS/GA/192 (b)	42371 Nos	12356	10596	
2.	Fuze B429 Filled	Drg. No.3-016919 Index 53-B-026Y Specn. IA 1262	Nil	Nil	Nil	
3.	Fuze B15 Filled	Drg. No.3-024043 PS- CQA(A)/PS/FZ/104 (c)	Nil	Nil	Nil	

Factory : **Rifle Factory Ishapore**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (Rs. in Lac)	Approx annual requirement (2020-21)	Picture
1.	Bipod for Sniper	Make: Harris HBL5	782	96.89	1000	--
2.	Rotapod for Sniper	Make: MIM RBA-1	782	88.58	1000	--
3.	3-15X50 Telescope for Sniper	Make: Vector Optics	669	260.41	1113	--

Factory: **Opto Electronics Factory, Dehradun**

S.No.	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx Value (in USD)	Approx annual requirement (2020-21)	Picture
1.	Gyro Stabilizer	BL2.564.018	114	9292824 USD	60	
2.	Aiming Device	BL3.812.065	114	7055802 USD	60	
3.	Sensor	BL5.132.045	109	337028 USD	60	
4.	Head Unit	BL3.906.063	114	998184 USD	60	
5.	Control Mechanism	AL6.063.271	45	2578275 USD	60	--
6.	Laser Unit	AI5.008.008	52	2306304 USD	60	--
7.	Gyro Chassis	AL5.156.009	76	2974336 USD	60	--
8.	Motor	Drg No. DPR-2-F1-13	243	221616 USD	120	--
9.	Transformer	Drg No. AL5.720.031	218	93522 USD	120	--
10.	Transformer	Drg No. IUMK671121007	218	183120 USD	120	--

## Summary of Indigenization of Items being Imported by Ordnance Factories

Sl.No.	Name of Ordnance Factory	Nos. of items being imported/ to be indigenised
1.	OFK	19
2.	EFA	2
3.	HVF	18
4.	OFV	3
5.	OFBOL	10
6.	AFK	3
7.	OFBA	1
8.	OFMK	6
9.	OFDUN	2
10.	OFAJ	4
11.	HAPP	7
12.	MPF	10
13.	GSF	9
14.	OFT	2
15.	OFCH	3
16.	RFI	3
17.	OLF	10
	<b>TOTAL</b>	<b>112</b>