

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEPARTMENT OF DEFENCE PRODUCTION
LOK SABHA

STARRED QUESTION NO.347

TO BE ANSWERED ON THE 9TH DECEMBER, 2016

MODERNIZATION OF ORDNANCE FACTORIES

*347. SHRI P. KUMAR:

Will the Minister of DEFENCE j{kk ea=h
be pleased to state:

- (a) the details of Ordnance Factories in the country along with their turnover during the last two years and the current year, year-wise;
- (b) whether the Government proposes to modernize certain ordnance factories and if so, the details thereof along with its estimated cost; and
- (c) whether the Government proposes to export weapons and other equipment manufactured in ordnance factories and if so, the details thereof, country-wise?

A N S W E R

MINISTER OF DEFENCE

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(SHRI MANOHAR PARRIKAR)

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(a) to (c): A Statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PART (a) TO (c) OF LOK SABHA
STARRED QUESTION NO. 347 FOR 9.12.2016**

(a) The details of Ordnance Factories in the country along with their year-wise turnover during the last two years and the current year are at Annexure-I.

(b) Yes, Madam. Government is undertaking modernization of Ordnance Factories which includes investment in Plant & Machinery and Civil Works. Modernization of OFs is under following three major categories:

- **Renewal & Replacement (RR):** For replacement /reconditioning of outlived P&M to sustain the original capacity.
- **New Capital (NC):** Acquisition of modern technology/manufacturing processes for capacity augmentation of existing product mix or creation of capacity for new product.
- **Civil Infrastructure:** Civil Infrastructure and services viz. Production & Services of buildings, Power supply, Water supply, Compressed Air supply etc.

Some of the major proposals include:-

- i. Flexible Manufacturing System[FMS] (Rs. 133 Crore) at Engine Factory Avadi (EFA) ó for augmentation of capacity of Engines for ÷Aø vehicle
- ii. Electric Arc Furnace with Ladle Furnace and Vacuum Degassing[LFVD] (Rs. 47 Crore) at Field Gun Factory, Kanpur (FGK) ó for modernization of metallurgical facilities
- iii. Forging Press 3000 Ton (Rs. 122 Crore) at Field Gun Factory, Kanpur (FGK) ó for augmentation of capacity of Large Caliber Barrels and Ordnance
- iv. Electro Slag Refining [ESR] Plant (Rs. 57 Crore) at Metal & Steel Factory (MSF) ó for augmentation of capacity of Ingots for Pinaka Motor Tube and Large Caliber Barrels
- v. Sintering Furnace (Rs. 25 Crore) at Heavy Alloy Penetrator Project (HAPP) ó for augmentation of capacity of Tungsten Carbide Balls for Pinaka Warhead
- vi. Automatic Detonator Filling Plant (Rs. 11 Crore) at Ammunition Factory, Khadki (AFK) ó for modernization of facility for production of Detonators

Proposed investment in the ordnance factories for Financial Year 2016-17 is Rs. 1461.42 Crore (RE).

(c) Export of arms, ammunition and weapon systems by Ordnance Factory Board (OFB) is being done in accordance with broad guidelines laid for export to foreign countries using spare capacity after meeting the Servicesø requirements and compliance to country-specific instructions issued by Ministry of External Affairs (MEA) from time to time.

The details of exports of weapons and other equipment planned for 2016-2017 country-wise are as under:

Year	Country	Nature of Items	Value of Order (USD)	Value of Export(INR)
2016-17 (Planned)	Indonesia	General Stores & Clothing	2,36,700	Exported Rs. 8.38 Crore (upto Novø16)
	Mauritius	Medium caliber weapon	10,45,742	
	Maldives	Small Caliber Ammunition	1,10,250	
	Uzbekistan	General Stores & Clothing	3,785	
	Germany	Small Caliber Ammunition	8,800	
	Kenya	Large Caliber Ammunition & Signaling Smoke	10,45,048	
	Italy	Large Caliber Weapon	28,22,962	
Total Planned Value of Export in 2016-17 (USD).			52,73,287	

ANNEXURE-I REFERRED IN THE REPLY GIVEN IN THE STATEMENT IN PART (a) OF LOK SABHA STARRED QUESTION NO. 347 FOR ANSWER ON 9.12.2016

*Value of Turnover for Last Two Years & Current Year (Including Issues to Sister Factories) In Rs. Crore				
Sl. No.	Factory	2014-15	2015-16	2016-17 (upto 03/12/2016)
<u>Ammunition & Explosives (AE) Division</u>				
1	Ammunition Factory, Khadki	896.04	901.48	486.85
2	Cordite Factory, Aruvankadu	154.39	185.78	128.47
3	High Explosives Factory, Khadki	193.39	231.86	128.69
4	Ordnance Factory Khamaria	1410.40	1848.23	473.64
5	Ordnance Factory Bhandara	322.93	374.31	171.45
6	Ordnance Factory Varangaon	477.48	531.37	164.07
7	Ordnance Factory Chanda	1336.61	1529.01	598.43
8	Ordnance Factory Bolangir	819.82	911.60	599.71
9	Ordnance Factory Itarsi	223.66	274.11	110.94
10	Ordnance Factory Dehu Road	294.85	257.67	123.34
11	Ordnance Factory Nalanda	0.00	6.02	18.11
Sub Total :		6,129.57	7,051.44	3,003.70
<u>Weapons, Vehicles & Equipment (WV&E) Division</u>				
1	Gun Carriage Factory, Jabalpur	513.23	605.08	265.96
2	Rifle Factory Ishapore	303.53	295.80	169.81
3	Gun & Shell Factory, Cossipore	517.48	599.15	347.38

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4	Ordnance Factory Kanpur	561.13	643.07	412.89
5	Small Arms Factory, Kanpur	149.27	179.89	94.82
6	Ordnance Factory DumDum	130.78	133.19	74.22
7	Ordnance Factory Trichy	136.53	101.67	75.80
8	Field Gun Factory, Kanpur	242.61	275.53	186.83
9	Ordnance Factory Korwa	0.00	7.46	7.09
10	Vehicle Factory Jabalpur	1288.28	977.56	665.06
11	Grey Iron Foundry Jabalpur	96	150.11	67.98
Sub Total :		3,938.56	3,968.52	2,367.84
<u>Materials & Components (M&C) Division</u>				
1	Metal & Steel Factory Ishapore	435.09	475.15	311.46
2	Ordnance Factory Ambernath	567.00	527.78	312.98
3	Ordnance Factory Katni	252.00	284.04	131.74
4	Ordnance Factory Muradnagar	203.35	232.73	162.89
5	Ordnance Factory Bhusawal	131.94	143.99	114.26
6	Machine Prototype Factory, Ambernath	164.23	189.11	135.85
7	Ordnance Factory Ambajhari	740.47	931.93	549.40
8	Heavy Alloy Penetrator Project, Trichy	143.86	164.88	96.37
Sub Total :		2,637.94	2,949.61	1,814.95

<u>Armoured Vehicles (AV) Division</u>				
1	Ordnance Cable Factory Chandigarh	64.13	58.58	40.36
2	Ordnance Factory Dehradun	130.17	152.82	162.92
3	Heavy Vehicles Factory, Avadi	1118.13	1357.22	1064.26
4	Ordnance Factory Medak	697.53	815.87	378.80
5	Engine Factory, Avadi	320.35	396.24	328.2
6	Opto-Electronics Factory, Dehradun	222.89	434.97	474.14
Sub Total :		2,553.20	3,215.70	2,448.68
<u>Ordnance Equipment Factories Division</u>				
1	Ordnance Equipment Factory Kanpur	462.39	548.27	383.18
2	Ordnance Clothing Factory, Shajahanpur	441.22	634.15	436.68
3	Ordnance Parachute Factory Kanpur	166.49	234.79	162.77
4	Ordnance Clothing Factory Avadi	222.80	300.29	189.06
5	Ordnance Equipment Factory Hajratpur	111.46	150.16	114.99
Sub Total :		1,404.36	1,867.67	1,286.68
GRAND TOTAL		* 16,663	* 19,053	*10,921.85
* Value of Turnover is without Excise Duty				