

**BHARAT FORGE**



**ATAGS: 21-gun salute on Independence Day**

**MEDIA DOSSIER**

**August 15, 2022**

**PRESS NOTE:****Online Coverage**

`ATAGS: 21-gun salute on Independence Day			
No.	Publication/Portal	Headline	Date
1	Business Standard	<a href="#">Indigenously developed artillery gun to fire 21-gun salute on I-Day</a>	14 August 2022
2	Broadsword	<a href="#">Indigenously developed artillery gun to fire 21-gun salute on Independence Day</a>	14 August 2022
3	Financial Express	<a href="#">India @ 75: Indigenous guns will give salute at Red Fort this year</a>	13 August 2022
4	Aviation Defence Universe	<a href="#">Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day</a>	15 August 2022
5	Raksha Anirveda	<a href="#">Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day</a>	13 August 2022
6	Newsazi	<a href="#">Indigenously Developed Artillery Gun To Fire 21-Gun Salute On I-Day</a>	14 August 2022
7	MetaCypher	<a href="#">Indigenously developed artillery gun to fireside 21-gun salute on I-Day</a>	15 August 2022

Headline: Indigenously developed artillery gun to fire 21-gun salute on I-Day

Publication : Business Standard

Date : August 14, 2022

Journalist: Sushant Kulkarni

[https://www.business-standard.com/article/current-affairs/indigenously-developed-artillery-gun-to-fire-21-gun-salute-on-i-day-122081400087\\_1.html](https://www.business-standard.com/article/current-affairs/indigenously-developed-artillery-gun-to-fire-21-gun-salute-on-i-day-122081400087_1.html)

For the first time, the thunderous 21-gun salute — fired during the salute to the Tricolour at Red Fort on Independence Day — will be fired by indigenously developed guns: Advanced Towed Artillery Gun System (ATAGS). The system has been developed by the Defence R&D Organisation in collaboration with Tata Aerospace & Defence and with **Bharat Forge**.

“The moment is significant, since this year marks 75 years of India’s independence and also the first time an indigenously developed gun will be fired on the occasion,” said an announcement from **Bharat Forge** on Saturday.

The gun salute is a dramatic, centuries-old military salute or a mark of respect, that involves firing guns or artillery. The military unit or warship that fires its guns effectively demonstrates to the person or institution being saluted that it is disarming itself and rendering itself harmless since, at least in earlier times, it took a significant amount of time to reload the guns.

The tradition of gun salutes is as old as the invention of gunpowder and guns. Great Britain created a formal ranking of individuals and states, specifying who was entitled to how many gunshots.

States, such as Hyderabad and Jammu & Kashmir that were entitled to gun

When India became a sovereign country in 1947, it was, like other sovereign nations, entitled to a 21-gun salute. Since then, on state occasions such as Republic Day and Independence Day, and during visits of other countries’ heads of state, the playing of the national anthem is accompanied by the firing of a 21-gun salute.

To fire the salute precisely, there is a special ceremonial battery from 2281 Field Regiment stationed in Delhi.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer gun. The howitzer, which has been developed under the Indian Army’s artillery modernisation programme has, during its test firing programme, fired a shot to a world record beating range of 48 km.

The ATAGS has a unique all-electric drive, as well as the unique ability to fire six-round bursts with propellant up to Zone 7, generating pressures in the gun chamber that could blow up lesser barrels.

“The ultra-modern towed gun is manufactured with cutting-edge technology, with shoot-and-scoot capability and can fire a complete range of NATO Standard and in service ammunition,” said **Bharat Forge**. The gun also boasts of a high mobility in desert and mountainous terrains.

Commenting on the occasion, Defence Secretary Ajay Kumar said, “The initiative to use this indigenously developed gun will stand as a testament to India’s growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes.”

Headline: Indigenously developed artillery gun to fire 21-gun salute on Independence Day

Publication : Broadsword

Date : August 6, 2022

Journalist:

<https://www.ajaishukla.com/2022/08/indigenously-developed-artillery-gun-to.html>

For the first time, the thunderous 21-gun salute — fired during the salute to the Tricolour at Red Fort on Independence Day — will be fired by indigenously developed guns: Advanced Towed Artillery Gun System (ATAGS). The system has been developed by the Defence R&D Organisation in collaboration with Tata Aerospace & Defence and with **Bharat Forge**.

“The moment is significant, since this year marks 75 years of India’s independence and also the first time an indigenously developed gun will be fired on the occasion,” said an announcement from **Bharat Forge** on Saturday.

The gun salute is a dramatic, centuries-old military salute or a mark of respect, that involves firing guns or artillery. The military unit or warship that fires its guns effectively demonstrates to the person or institution being saluted that it is disarming itself and rendering itself harmless since, at least in earlier times, it took a significant amount of time to reload the guns.

The tradition of gun salutes is as old as the invention of gunpowder and guns. Great Britain created a formal ranking of individuals and states, specifying who was entitled to how many gunshots.

States, such as Hyderabad and Jammu & Kashmir that were entitled to gun

When India became a sovereign country in 1947, it was, like other sovereign nations, entitled to a 21-gun salute. Since then, on state occasions such as Republic Day and Independence Day, and during visits of other countries’ heads of state, the playing of the national anthem is accompanied by the firing of a 21-gun salute.

To fire the salute precisely, there is a special ceremonial battery from 2281 Field Regiment stationed in Delhi.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer gun. The howitzer, which has been developed under the Indian Army’s artillery modernisation programme has, during its test firing programme, fired a shot to a world record beating range of 48 km.

The ATAGS has a unique all-electric drive, as well as the unique ability to fire six-round bursts with propellant up to Zone 7, generating pressures in the gun chamber that could blow up lesser barrels.

“The ultra-modern towed gun is manufactured with cutting-edge technology, with shoot-and-scoot capability and can fire a complete range of NATO Standard and in service ammunition,” said **Bharat Forge**. The gun also boasts of a high mobility in desert and mountainous terrains.

Commenting on the occasion, Defence Secretary Ajay Kumar said, “The initiative to use this indigenously developed gun will stand as a testament to India’s growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes.”

Headline: India @ 75: Indigenous guns will give salute at Red Fort this year

Publication : Financial Express

Date : August 13, 2022

Journalist:

<https://www.financialexpress.com/defence/india-75-indigenous-guns-will-give-salute-at-red-fort-this-year/2628893/>

For the first time, a gun jointly developed by Defence Research and Development Organisation (DRDO) and **Bharat Forge** is set to fire during the 21 Gun salute at Red Fort on August 15, this year.

This Advanced Towed Artillery Gun System (ATAGS) is an indigenous 155 mm x 52 caliber howitzer gun. It has been developed based on the specifications and requirements of the Indian Army's artillery modernisation programme.

As has been reported by Financial Express Online earlier this week, this indigenous gun holds the world record with longest unassisted projectile range of 48 km., additionally it has an all-electric drive.

Unique features

Based on the official statement issued earlier, indigenous has the unique ability to fire six-round bursts. It can fire in Zone 7.

This is an ultra-modern towed gun and has been manufactured with cutting-edge technology, has shoot and scoot capability. Also, has the capability to fire a complete range of NATO Standard and in service ammunition.

It boasts fast mobility in different terrains – mountainous and desert terrains. Finally, this is a first-of-its-kind gun that has the ability to achieve the shortest minimum range at a high angle.

Headline: Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day

Publication : Aviation Defence Universe

Date : August 15, 2022

Journalist:

<https://www.aviation-defence-universe.com/indigenously-developed-atags-to-fire-on-21-gun-salute-on-independence-day/>

The Advanced Towed Artillery Gun System, developed by **Bharat Forge** Ltd. in collaboration with the DRDO, is set to fire during the celebrated 21-Gun salute at Red Fort on Independence Day. The moment is significant since this year marks 75 years of India's independence and also the first time an indigenously developed gun will be fired on the occasion. This is both a matter of pride for the nation and an honour for **Bharat Forge** who have jointly developed the gun with DRDO.

The Advanced Towed Artillery Gun System (ATAGS) is an indigenous 155 mm x 52 caliber howitzer gun. This has been developed as part of the Indian Army's artillery modernization programme. It holds the world record with longest unassisted projectile range of 48 km and additionally has an all-electric drive. ATAGS has the unique ability to fire six-round bursts and can fire in Zone 7. The ultra-modern towed gun is manufactured with cutting-edge technology, with shoot and scoot capability and can fire a complete range of Nato Standard and in service ammunition. The gun boasts fast mobility in desert and mountainous terrains. This is a first-of-its-kind gun that can achieve the shortest minimum range at a high angle.

Commenting on the occasion, Defence Secretary Ajay Kumar said, "The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes."

The Ministry of Defence has also shared a video of the guns in action on their YouTube channel.

Link: <https://www.youtube.com/watch?v=4j49PpE4IKE>

Headline: Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day

Publication : Raksha Anirveda

Date : August 13, 2022

Journalist:

[Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day - \(raksha-anirveda.com\)](https://www.rakshaanirveda.com)

Pune. The Advanced Towed Artillery Gun System, developed by **Bharat Forge** Ltd. in collaboration with the DRDO, is set to fire during the celebrated 21-Gun salute at Red Fort on Independence Day. The moment is significant since this year marks 75 years of India's independence and also the first time an indigenously developed gun will be fired on the occasion. This is both a matter of pride for the nation and an honour for **Bharat Forge** who have jointly developed the gun with DRDO.

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Commenting on the occasion, Defence Secretary Ajay Kumar said, "The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes."

The Ministry of Defence has also shared a video of the guns in action on their YouTube channel.

Link: <https://www.youtube.com/watch?v=4j49PpE4IKE>

**Headline: Indigenously Developed Artillery Gun To Fire 21-Gun Salute On I-Day**

**Publication : Newsazi**

**Date : August 14, 2022**

**Journalist:**

[Indigenously developed artillery gun to fire 21-gun salute on I-Day - News Azi](#)

For the first time, the thunderous 21-gun salute that is fired during the salute to the tricolour at Red Fort on Independence Day will be fired by indigenously developed guns – the Advanced Towed Artillery Gun System (ATAGS), developed by the Defence Research & Development Organisation (DRDO) in collaboration with Tata Aerospace & Defence and with **Bharat Forge** Ltd.

“The moment is significant since this year marks 75 years of India’s independence and also the first time an indigenously developed gun will be fired on the occasion,” said an announcement from **Bharat Forge** on Saturday.

The gun salute is a dramatic, centuries-old military salute or mark of respect, that involves firing guns or artillery. The military unit or warship that fires its guns effectively demonstrates to the person or institution being saluted that it is disarming itself and rendering itself harmless since, at least in earlier times, it took a significant amount of time to reload the guns.

The tradition of gun salutes is as old as the invention of gunpowder and guns. Great Britain created a formal ranking of individuals and states, specifying who was entitled to how many gunshots. States, such as Hyderabad and Jammu & Kashmir, that were entitled to gun salutes were known as ‘salute states’.

When India became a sovereign country in 1947, it was, like other sovereign countries, entitled to a 21-gun salute. Since then, on state occasions such as Republic Day and Independence Day, and during the visits of other countries’ heads of state, the playing of the national anthem is accompanied by the firing of a 21-gun salute.

To fire the salute precisely, there is a special ceremonial battery from 2281 Field Regiment stationed in Delhi. The firing of 21 rounds at exactly the same interval is a task of great precision and the ceremonial battery trains to get it exactly correct.

The ATAGS is an indigenous 155 mm x 52 caliber howitzer gun. The howitzer, which has been developed under the Indian Army’s artillery modernisation programme has, during its test firing programme, fired a shot to a world record beating range of 48 km.

The ATAGS has a unique all-electric drive, as well as the unique ability to fire six-round bursts with propellant up to Zone 7, generating pressures in the gun chamber that could blow up lesser barrels.

“The ultra-modern towed gun is manufactured with cutting-edge technology, with shoot and scoot capability and can fire a complete range of NATO Standard and in-service ammunition,” said **Bharat Forge**. The gun also boasts of high mobility in desert and mountainous terrains.

Commenting on the occasion, Defence Secretary Ajay Kumar said, “The initiative to use this indigenously developed gun will stand as a testament to India’s growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes.”



Headline: Indigenously developed artillery gun to fireside 21-gun salute on I-Day

Publication : MetaCypher

Date : August 15, 2022

Journalist:

[Indigenously developed artillery gun to fireside 21-gun salute on I-Day | MetaCypher](#)

For the primary time, the thunderous 21-gun salute that's fired through the salute to the tricolour at Crimson Fort on Independence Day will likely be fired by indigenously developed weapons – the Superior Towed Artillery Gun System (ATAGS), developed by the Defence Analysis & Improvement Organisation (DRDO) in collaboration with Tata Aerospace & Defence and with **Bharat Forge** Ltd.

“The second is important since this 12 months marks 75 years of India's independence and in addition the primary time an indigenously developed gun will likely be fired on the event,” stated an announcement from **Bharat Forge** on Saturday.

The gun salute is a dramatic, centuries-old navy salute or mark of respect, that includes firing weapons or artillery. The navy unit or warship that fires its weapons successfully demonstrates to the particular person or establishment being saluted that it's disarming itself and rendering itself innocent since, not less than in earlier instances, it took a major period of time to reload the weapons.

The custom of gun salutes is as outdated because the invention of gunpowder and weapons. Nice Britain created a proper rating of people and states, specifying who was entitled to what number of gunshots. States, similar to Hyderabad and Jammu & Kashmir, that have been entitled to gun salutes have been often known as 'salute states'.

When India grew to become a sovereign nation in 1947, it was, like different sovereign international locations, entitled to a 21-gun salute. Since then, on state events similar to Republic Day and Independence Day, and through the visits of different international locations' heads of state, the enjoying of the nationwide anthem is accompanied by the firing of a 21-gun salute.

To fireside the salute exactly, there's a particular ceremonial battery from 2281 Discipline Regiment stationed in Delhi. The firing of 21 rounds at precisely the identical interval is a process of nice precision and the ceremonial battery trains to get it precisely appropriate.

The ATAGS is an indigenous 155 mm x 52 caliber howitzer gun. The howitzer, which has been developed underneath the Indian Military's artillery modernisation programme has, throughout its take a look at firing programme, fired a shot to a world report beating vary of 48 km.

The ATAGS has a novel all-electric drive, in addition to the distinctive capacity to fireside six-round bursts with propellant as much as Zone 7, producing pressures within the gun chamber that might blow up lesser barrels.

“The ultra-modern towed gun is manufactured with cutting-edge know-how, with shoot and scoot functionality and may fireplace a whole vary of NATO Customary and in-service ammunition,” stated **Bharat Forge**. The gun additionally boasts of excessive mobility in desert and mountainous terrains.

Commenting on the event, Defence Secretary Ajay Kumar stated, "The initiative to make use of this indigenously developed gun will stand as a testimony to India's rising capability of creating arms and ammunition indigenously. The gun has been particularly customised each by way of clean firing and sound attributes in order that will probably be helpful for ceremonial functions."

**ATAGS:****Online Coverage**

No.	Publication/Portal	Headline	Date
1	ANI	<a href="#">DRDO-developed ATAGS to give 21 gun salute at Independence Day celebrations</a>	10 August 2022
2	India Express	<a href="#">In a first, DRDO's howitzer to be part of 21-gun salute on Independence Day</a>	8 August 2022
3	The Hindu	<a href="#">In a first, indigenous ATAGS to be part of 21-gun salute on Independence Day</a>	10 August 2022
4	Hindu Business Line	<a href="#">An India-made gun salute to mark Independence Day celebrations</a>	11 August 2022
5	Times of India	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts</a>	16 August 2022
6	Times Now	<a href="#">India-made ATAGS to fire during Independence Day - What is the indigenous gun system?</a>	11 August 2022
7	Republic Bharat	<a href="#">DRDO's ATAGS To Give Indigenous 21-gun Salute On Aug 15; All About The India-made Howitzer</a>	10 August 2022
8	ETV Bharat	<a href="#">In a first, ATAGS to blaze during Independence Day 21-Gun Salute at Red Fort</a>	6 August 2022
9	Indian Express	<a href="#">What is ATAGS, the indigenous howitzer used in Independence Day 21-gun salute?</a>	16 August 2022
10	Hindustan Times	<a href="#">Indigenous gun debuts, self-reliance in focus in Modi's Independence Day speech</a>	16 August 2022
11	News18	<a href="#">Made In India Howitzer Gun to Make Independence Day Debut for 21 Gun Salute</a>	13 August 2022
12	India Today	<a href="#">What is ATAGS Howitzer, the indigenous artillery gun used in I-Day gun salute</a>	15 August 2022
13	NDTV	<a href="#">On Independence Day, Made-In-India Gun Used In Ceremonial Salute</a>	15 August 2022
14	New Indian Express	<a href="#">On I-Day, Modi hails military's contribution in realising Aatma Nirbhar Bharat in defence sector</a>	15 August 2022
15	ABP Live	<a href="#">Independence Day 2022: 21 तोपों की सलामी में स्वदेशी आर्टिलरी गन 'अटैग' भी रहा शामिल, पहली बार हुआ ऐसा</a>	15 August 2022

16	NewsX	<a href="#">What is the indigenous howitzer ATAGS, which was fired in the I-Day 21-gun salute?</a>	15 August 2022
17	Daily Pioneer	<a href="#">Gun salute with desi Howitzer on I-Day</a>	11 August 2022
18	India.com	<a href="#">Independence Day 2022: What is ATAGS, the Indigenous Howitzer Used for First time During Ceremonial Salute at Red Fort Today</a>	15 August 2022
19	Lokmat	<a href="#">ATAGS Howitzer on Red Fort Video: Indigenous guns fired from Red Fort for the first time; Modi said, the ears were thirsty</a>	15 August 2022
20	The Print	<a href="#">I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
21	DNA India	<a href="#">Independence Day 2022: पहली बार देश में बनी हॉवित्जर देगी 21 तोप की सलामी, जानिए इसके बारे में सबकुछ</a>	11 August 2022
22	Aaj Tak	<a href="#">लाल किले से पहली बार दागी गई स्वदेशी तोप ATAGS, PM मोदी ने की तारीफ, जानिए इसकी ताकत</a>	15 August 2022
23	Bharat Shakti	<a href="#">This I-Day, Howitzer Developed By DRDO To Be A Part Of 21-Gun Salute</a>	7 August 2022
24	IDRW	<a href="#">DRDO developed ATAGS to be part of 21 gun salute on Independence Day</a>	7 August 2022
25	Asianet News	<a href="#">'Made in India' ATAGS to replace British-era guns for Independence Day gun salute at Red Fort</a>	6 August 2022
26	India Ahead	<a href="#">Advanced Towed Artillery Gun System Fires Two Rounds During Independence Day Gun Salute Rehearsals</a>	4 August 2022
27	World Republic	<a href="#">This I-Day, howitzer developed by DRDO to be part of the 21-gun salute</a>	7 August 2022
28	Bharat News	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
29	Aval News	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
30	The Chhattisgarh	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
31	News Islands	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022

32	Sedi News	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
33	Tazaa News	<a href="#">A howitzer developed by DRDO as part of this I-Day, 21-gun salute</a>	7 August 2022
34	Abbo News	<a href="#">This I-Day, howitzer developed by DRDO to be part of the 21-gun salute</a>	7 August 2022
35	Post of Asia	<a href="#">THIS I-DAY, HOWITZER DEVELOPED BY DRDO TO BE PART OF 21-GUN SALUTE</a>	7 August 2022
36	Harpia News	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
37	My Daily Mails	<a href="#">DRDO has developed ATAGS that takes a part of 21 gun salute on Independence Day 2022</a>	7 August 2022
38	Colors of India	<a href="#">This I-Day Howitzer Developed by DRDO to be a part of 21 Gun Salute</a>	7 August 2022
39	Op India	<a href="#">For the first time in India, the Tricolour was hoisted amid a 21-gun salute by Made-In-India Howitzer gun, ATAGS: All you need to know</a>	15 August 2022
40	India Times	<a href="#">In A First, Made-In-India ATAGS Used For Ceremonial Gun Salute On Independence Day</a>	15 August 2022
41	DailyO	<a href="#">Where did the 21-gun salute come from?</a>	15 August 2022
42	India Ahead News	<a href="#">Independence Day 2022: Made-in-India Gun ATAGS Used First Time For Salute At Red Fort</a>	15 August 2022
43	Military Leak	<a href="#">ATAGS Tow Howitzer to be Part of 21-gun Salute on Indian Independence Day</a>	15 August 2022
44	Editorji	<a href="#">Made in India Howitzer: पहली बार दागी गई स्वदेशी तोप, सलामी से निखरा आजादी का रंग, जानिए ATAGS की ताकत</a>	13 August 2022
45	TFI Post	<a href="#">ATAGS Howitzer Gun: First time in independent India, Tiranga was hoisted amid indigenous guns' salute</a>	16 August 2022
46	News Smashers	<a href="#">PM Modi Hails 'Atmanirbhar' Drive As Indigenous Howitzer Debuts</a>	16 August 2022
47	The Local Report	<a href="#">Made-in-India gun used in ceremonial salute on Independence Day</a>	15 August 2022
48	Real Time India	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts</a>	15 August 2022

49	Pehal News	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts</a>	15 August 2022
50	News Bulletin	<a href="#">Independence Day 2022: Made In India Cannon Salute For The First Time At Red Fort</a>	15 August 2022
51	The India Print	<a href="#">NATIONAL Howitzer cannon ATAGS thundered on Independence Day, know what is its firepower, restless neighboring countries</a>	15 August 2022
52	Business Journal	<a href="#">Indigenously developed artillery gun to fire 21-gun salute on I-Day</a>	15 August 2022
53	The Real Kashmir	<a href="#">On Independence Day, Made-In-India Gun Used In Ceremonial Salute</a>	15 August 2022
54	Divya Bharat	<a href="#">On Independence Day, Made-In-India Gun Used In Ceremonial Salute</a>	15 August 2022
55	CoreTech	<a href="#">In A First, Made-In-India ATAGS Used For Ceremonial Gun Salute On Independence Day</a>	15 August 2022
56	Daily India.net	<a href="#">What is the indigenous Howitzer ATAGS used in the 21-gun salute on Independence Day?</a>	15 August 2022
57	Achi News	<a href="#">Independence Day 2022: Indian-made rifle ATAGS used for ceremonial salute at Red Fort</a>	15 August 2022
58	Viral Trunk	<a href="#">What is ATAGS, the indigenous howitzier featuring in I-Day 21-gun salute?</a>	15 August 2022
59	Digismak	<a href="#">Where did the 21-gun salute come from?</a>	15 August 2022
60	Geo TV News	<a href="#">What is ATAGS, the local howitzer featured in the I-Day 21-gun salute?</a>	15 August 2022
61	News Tribe	<a href="#">What is ATAGS, the indigenous howitzier featuring in I-Day 21-gun salute?</a>	15 August 2022
62	News On Air	<a href="#">Country's First: Made-in-India howitzer gun to fire 21-gun salute on Independence Day</a>	11 August 2022
63	DT Next	<a href="#">DRDO-developed ATAGS to give 21 gun salute on I-Day celebrations</a>	10 August 2022
64	Daily mails	<a href="#">DRDO has developed ATAGS that takes a part of 21 gun salute on Independence Day 2022</a>	7 August 2022
65	Latestly	<a href="#">Independence Day 2022: DRDO-Developed ATAGS To Give Ceremonial 21 Gun Salute at I-Day Celebrations</a>	10 August 2022

66	IGMP	<a href="#">In a first, ATAGS to blaze during Independence Day 21-Gun Salute at Red Fort</a>	8 August 2022
67	Business Upturn	<a href="#">DRDO-developed ATAGS to give 21-gun salute on 75th Independence Day</a>	10 August 2022
68	See Positive	<a href="#">Made in India, Howitzer Gun Will Make Debut for 21 Gun Salute On Independence Day</a>	10 August 2022
69	News Web India	<a href="#">I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
70	Real Time India	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts   India News</a>	15 August 2022
71	Lokmat Times	<a href="#">Indian gun to be used for Independence Day ceremonial salute</a>	15 August 2022
72	Organizer	<a href="#">I-Day 2022: PM Modi lauds Defence forces after 'Made-In-India' gun used for first time in ceremonial salute on I-Day</a>	15 August 2022
73	WhatsHappening	<a href="#">ATAGS made in India to be fired on Independence Day – What exactly is the indigenous firearms system?</a>	11 August 2022
74	Business Lend	<a href="#">DRDO-developed ATAGS to present 21 gun salute at Independence Day celebrations</a>	12 August 2022
75	Allmaa	<a href="#">Gun salute made in India to mark Independence Day celebrations</a>	10 August 2022
76	The Wall	<a href="#">DRDO-developed ATAGS to give 21 gun salute at Independence Day celebrations</a>	12 August 2022
77	India Print	<a href="#">Howitzer cannon ATAGS thundered on Independence Day, know what is its firepower, restless neighboring countries</a>	15 August 2022
78	Pakki Khabar	<a href="#">India-made Howitzer Guns to deliver the ceremonial 21-gun salute on Independence Day, Know What are ATAGS Here</a>	12 August 2022
79	NSBB	<a href="#">Independence celebration will be very special at Red Fort, 21 gun salute will be given with indigenous gun</a>	14 August 2022
80	Evening Standard	<a href="#">In a first, Advanced Towed Artillery Gun System to be used on I-Day at Red Fort</a>	12 August 2022

81	Trivia Today	<a href="#">What is ATAGS, the Indigenous Howitzer Used for the First Time During Ceremonial Salute at Red Fort Today</a>	15 August 2022
82	Divya Bharat	<a href="#">On Independence Day, Made-In-India Gun Used In Ceremonial Salute</a>	15 August 2022
83	News Knowledia	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts</a>	15 August 2022
84	Uttar Pradesh Live	<a href="#">India-made Howitzer Guns to give ceremonial 21-gun salute on Independence Day, know what are here ATAGS</a>	12 August 2022
85	Spin On News	<a href="#">Swadesi ATAGS Gun In Seen First Time In Independence Day Celebration In Red Fort</a>	15 August 2022
86	Live News Vault	<a href="#">PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts</a>	15 August 2022
87	The Post Reader	<a href="#">Independence Day 2022: Indigenous artillery gun 'Atag' was also included in the salute of 21 guns, this happened for the first time</a>	15 August 2022
88	Daily Prabhat	<a href="#">I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
89	Gacialisdiyik	<a href="#">What Is The ATAGS, The Indigenous Howitzer Featured In The I-Day 21-Gun Salute?</a>	15 August 2022
90	News Sateek	<a href="#">What Is The ATAGS, The Indigenous Howitzer Featured In The I-Day 21-Gun Salute?</a>	15 August 2022
91	First India	<a href="#">PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
92	News Cut	<a href="#">स्वदेशी तोफ ATAGS ने लाल किल्ल्यावरून दागला बॉम्ब, PM मोदींनी केले कौतुक, जाणून घ्या ताकद</a>	15 August 2022
93	First India	<a href="#">PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
94	New Delhi News	<a href="#">I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
95	Daily World News	<a href="#">On Independence Day, Made-In-India Gun Used In Ceremonial Salute</a>	15 August 2022



96	News Upland	<a href="#">I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day</a>	15 August 2022
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Headline: DRDO-developed ATAGS to give 21 gun salute at Independence Day celebrations

Publication : ANI

Date : August 10, 2022

Journalist:

<https://www.aninews.in/news/national/general-news/drdo-developed-atags-to-give-21-gun-salute-at-independence-day-celebrations20220810214306/>

For the first time in the history of India, the indigenously developed artillery gun ATAGS (Advanced Towed Artillery Gun System) prototype developed under the government's Make in India initiative will be fired from the Red Fort during the Independence Day celebrations on August 15. The completely indigenous gun designed and developed by DRDO will give the ceremonial 21 Gun Salute along with the "25 Pounder British guns" which are traditionally fired till now. A team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been responsible for making this possible. Sangam Sinha, DG (R&M), DRDO said, "On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km." "The biggest thing is that for the first time it is Made in India by Bharat Forge. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms Bharat Forge Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a 155mm calibre Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. ATAGS is a world-class system which fires the Bimodular charge system in Zone 7. No other Gun in the world is known to have that capability yet.

ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation. This gun system is designed to provide one of the best accuracy and consistency in gun systems compared to other gun systems of the same calibre in the world. ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialised Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: In a first, DRDO's howitzer to be part of 21-gun salute on Independence Day

Publication : Indian Express

Date : August 8, 2022

Journalist: Sushant Kulkarni

<https://indianexpress.com/article/cities/pune/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gun-salute-8075628/>

In a first, the signature 21-gun salute during the Independence Day ceremony at the Red Fort this year will include the indigenous howitzer gun, ATAGS — developed by the DRDO facility in Pune — alongside the traditional British artillery guns.

Advanced Towed Artillery Gun System (ATAGS) is a home-grown 155 mm x 52 calibre howitzer gun developed by the Pune-based Armament Research and Development Establishment (ARDE) of the Defence Research and Development Organisation (DRDO).

Every year, the unfurling of the Tricolour by the Prime Minister is followed by a rendition of the national anthem which synchronises with the 21-gun salute fired by a ceremonial battery from an artillery regiment.

Over the years, this gun salute — which are blanks — is fired by the World War era howitzers of British make, known as 'Ordnance Quick Fire 25 Pounder' or just 25 Pounder. From the battery of eight guns that is generally deployed for the salute, seven fire three rounds each. This year, some ATAGS guns will be part of the battery that will fire along with some 25 pounders.

ARDE Director Ankhati Raju said, "It is a proud moment for me and the entire ARDE community that ATAGS will be giving salute to the nation during the 75th year of Independence. It is indeed a great achievement for ARDE and DRDO that for the first time an indigenously developed gun will be shouldering the responsibility of firing alongside the 25 pounder British Guns."

Some practice firing sessions of the ATAGS have already been held in the run up to the Independence Day celebrations.

ATAGS is a fully indigenous towed artillery gun system project undertaken in mission mode by DRDO as a part of artillery modernisation programme of the Indian Army. System has a firing range of 48 km and has features like fast deployability, high mobility, auxiliary power mode, automatic command and control system, state-of-the-art communication system and night capability in direct-fire mode.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Army with a modern 155 mm artillery gun. The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun. The system has undergone various levels of trials in different conditions and is currently undergoing an evaluation by the Directorate General Quality Assurance, a nodal agency for the quality assurance of all arms, ammunitions, equipment and stores supplied to Armed Forces.

The ARDE, which is part of the Armament and Combat Engineering (ACE) cluster of the DRDO, is tasked with research, design and development of conventional armaments for Armed forces. ARDE has expertise in small arms, artillery guns, rocket systems, air-delivered munitions and warheads.

Headline: In a first, indigenous ATAGS to be part of 21-gun salute on Independence Day

Publication : The Hindu

Date : August 10, 2022

Journalist: Dinaker Peri

[In a first, indigenous ATAGS to be part of 21-gun salute on Independence Day - The Hindu](#)

In a first, an indigenous artillery gun, the Advanced Towed Artillery Gun System (ATAGS), will be used along with the usual 25-Pounders for the 21-gun salute during the Independence Day celebrations at Red Fort this year.

“The initiative to use this indigenously developed gun will stand as a testament to India’s growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes,” Defence Secretary Ajay Kumar said, briefing the media on this year’s celebrations.

Since Independence, the ceremonial 21-gun salute is accorded by seven vintage Quick Fire 25 Pounder guns which fire blank rounds as the National Anthem is played after the hoisting of the National Flag by the Prime Minister.

This year, in addition to the 25-Pounders, as they are popularly known, one ATAGS will be used, Mr. Kumar said.

The ATAGS is a 155 mm, 52 calibre heavy artillery gun jointly developed by the Armament Research and Development Establishment (ARDE), the Pune-based laboratory of the Defence Research and Development Organisation (DRDO), in partnership with **Bharat Forge** and Tata Group. In May, the gun successfully completed validation trails towards meeting the specifications of the Army and is now ready for induction.

Speaking on the other highlights of the celebrations, Mr. Kumar said a Special Youth Exchange Programme is being organised for the first time this year and cadets from 14 countries have been invited to join the celebrations along with NCC cadets from August 9 to 17. “A total of 127 youth have been selected through a competition organised in different countries, in which lakhs of students participated,” Mr. Kumar said.

A total of 26 officers/supervisors and 127 cadets from the U.S., the UK, Argentina, Brazil, Fiji, Indonesia, Kyrgyzstan, The Maldives, Mauritius, Mozambique, Nigeria, Seychelles, UAE and Uzbekistan are taking part in the event.

Apart from attending the main event at Red Fort, the youth will be visiting places of cultural and historical importance in Delhi and Agra, the Defence Ministry said. Defence Minister Rajnath Singh interacted with the visiting teams on Wednesday evening.

In addition, as part of the Azadi Ka Amrit Mahotsav, NCC cadets from all districts of the country have been invited to attend the main event at Red Fort, Mr. Kumar said.

Mr. Kumar said in continuation to the initiative taken during Republic Day in 2022, the section of society, which is usually overlooked, has been invited as special guests for Independence Day as well. These include anganwadi workers, street vendors, mudra scheme borrowers and mortuary workers.

In another, Mr. Singh will be felicitating 25 winners of the Veer Gatha contest in New Delhi on August 12. Veer Gatha was launched to inspire and spread awareness among children about the gallant deeds and sacrifices of the armed forces, the Ministry said. It held nationwide contest, from October 21 to November 20, 2021, which saw the participation of more than eight lakh students from 4,788

schools. The second edition of Veer Gatha is all scheduled to be launched in September 2022, Mr. Kumar added.

Headline: An India-made gun salute to mark Independence Day celebrations

Publication : Hindu Business Line

Date : August 11, 2022

Journalist:

[An India-made gun salute to mark Independence Day celebrations - The Hindu BusinessLine](#)

Inviting anganwadi workers, street vendors, mudra scheme borrowers and mortuary employees are some of the special initiatives the Defence Ministry has taken to mark the 75th anniversary of Independence

An indigenous howitzer gun salute, invitations to anganwadi workers, street vendors, mudra scheme borrowers and mortuary employees as special guests are some of the special initiatives the Defence Ministry has taken to mark the 75 th anniversary of Independence on August 15.

#### India-made ATAGS

For the first time, India-made Advanced Towed Artillery Gun System (ATAGS) will be among those used for the ceremonial 21-gun salute during the Independence Day ceremony at Red Fort, Defence Secretary Ajay Kumar said on Wednesday. The gun has been developed under the government's 'Make in India' initiative by the Defence Research and Development Organisation. The ATAGS will give the ceremonial 21-Gun Salute along with the British guns which are being traditionally used till now, Kumar told reporters.

The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously, said the ministry. The gun has been especially customised, with certain technical specifications being tweaked for the ceremony, revealed the MoD.

The ATAGS project started in 2013 by the DRDO to replace the older guns used by the Army with a modern 155mm artillery gun. DRDO's ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for manufacturing the world class gun that fires the bimodular charge system in Zone 7, said the MoD.. The ATAGS has a firing range of 48 kms and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode, said the Ministry. No other gun in the world is known to have that capability yet, stated the ministry.

#### Recognising the unrecognised

Prime Minister Narendra Modi will lead the 'Azadi Ka Amrit Mahotsav' celebrations and deliver the customary address from the ramparts of the iconic Red Fort. In continuation to the initiative taken during Republic Day 2022, the government has invited those usually overlooked. Seated as special guests at Red Fort would be, among others, anganwadi workers, street vendors, mudra scheme borrowers and mortuary workers. Similarly, NCC cadets from all districts would be seated at 'Gyan Path' in front of the Red Fort's ramparts in a geographical formation of the map of India. They will be wearing traditional dresses, symbolising India's cultural diversity, to carry forward the message of 'Ek Bharat Shrestha Bharat,' said the Ministry.

A total of 26 officers, supervisors and 127 cadets and youths from 14 countries will be participating in a special Youth Exchange Programme organised between August 09- August 17. It's happening for the first time as part of Independence Day celebrations.

Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : Times of India

Date : August 16, 2022

Journalist:

<https://timesofindia.indiatimes.com/india/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts/articleshow/93578957.cms>

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said.

Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.

**Headline: India-made ATAGS to fire during Independence Day - What is the indigenous gun system?**

**Publication : Times Now**

**Date : August 6, 2022**

**Journalist:**

For the first time ever, an India-made howitzer gun will deliver the ceremonial 21 gun salute on the milestone 75th Independence Day celebrations of the country. The gun will be installed at the iconic Red Fort from where Prime Minister Narendra Modi will deliver the customary address to the nation. The Advanced Towed Artillery Gun System (ATAGS) prototype has been specially customised for the occasion.

ATAGS is a flagship of the make in India programme of the government that seeks to make the country self-reliant on arms and ammunition production. The ATAGS, which has been fully designed and developed by the Defence Research and Development Organisation (DRDO), will be fired along with the '25 pounder British Guns' that are traditionally fired until now.

Sangam Sinha, DG (R&M), DRDO, told news agency ANI that the ATAGS howitzer is the first in the world to have a 45 km range. "It's self-propelled and can be towed easily. This time it will be included in the 21-Gun salute and will surely be a game changer," he said.

While ATAGS makes its debut at the Independence Day on August 15th, 2022, it was first showcased at the Republic Day parade in 2017. At that time, hailing the development, Praveen Kumar Mehta, Director General Armaments and Combat Engineering Systems had said, "This gun is an example that you can build the best guns in the country with the best possible specifications that can match the specifications of any contemporary gun made in this class in any other country."

ATAGS is a 155mm/52 calibre gun which makes it a powerful weapon. A longer calibre length accords greater stability and thus lends to greater range and consistency. Anything higher would have made it difficult to tow, however, the weight is largely offset by a powerful auto-propulsion motor. ATAGS has also had successful trials in different terrains, so mobility is not deemed to be an issue.

The rate of firing of these weapons is 5 rounds in 60 seconds, or 10 rounds in 150 seconds and for sustained battle, it can fire 60 rounds in 60 minutes.

ATAGS are likely to be the mainstay of Indian artillery. The advantage of indigenous guns is that any repair or modification can be done within the country itself, saving additional time and cost.



Headline: DRDO's ATAGS To Give Indigenous 21-gun Salute On Aug 15; All About The India-made Howitzer

Publication : Republic World

Date : August 10, 2022

Journalist:

[DRDO's ATAGS to give indigenous 21-gun salute on Aug 15; All about the India-made howitzer | India News \(republicworld.com\)](https://www.republicworld.com/news/india/drdo-atags-to-give-indigenous-21-gun-salute-on-aug-15-all-about-the-india-made-howitzer)

As India marks 75 years of independence - Azadi Ka Amrit Mahotsav, a Made-in-India Advanced Towed Artillery Gun System (ATAGS) howitzer will be used to give a 21-gun salute for the first time in the history of the country.

The indigenous gun designed and developed by Defence Research and Development Organisation (DRDO) will give the 21-gun salute from the Red Fort on August 15. It will be used along with the "25 pounder British Guns" that are traditionally fired till now.

What is ATAGS?

According to DRDO, ATAGS is a large calibre gun system with the capacity to program and fire future Long Range Guided Munitions (LRGM) to achieve accuracy and deep strike. The system is configured with an all-electric drive that will ensure maintenance-free and reliable operation over long periods of time. The system is currently in the advanced stage of development.

All you need to know about ATAGS:

DRDO initiated the ATAGS project in 2013 to replace older guns in service in the Army with the latest 155mm artillery gun.

The Armament Research and Development Establishment (ARDE) partnered with two private companies Tata Advanced Systems Limited and **Bharat Forge** Limited for manufacturing specialised gun.

ATAGS has a firing range of 48 km and modern features like quick deployability, high mobility, auxiliary power mode, automatic command and control system with night capability in direct-fire mode and an advanced communication system.

ATAGS fires the Bimodular charge system in Zone 7. It is worth noting that no other gun in the work is known to have that capability.

The 155mm calibre Gun system is compatible with C4I systems like the ACCCS (Artillery Combat Command and Control System) called Shakti for technical fire control, deployment management, fire planning and operational logistics management of the Indian Army.

Sangam Sinha, DG (R&M), DRDO, said that the ATAGS howitzer is the first in the world to have a 45 km range. "It's self-propelled and can be towed easily. This time it will be included in the 21-Gun salute and will surely be a game changer," he said.

Headline: In a first, ATAGS to blaze during Independence Day 21-Gun Salute at Red Fort

Publication : ETV Bharat

Date : August 6, 2022

Journalist:

<https://www.etvbharat.com/english/national/bharat/advanced-artillery-guns-to-fire-at-ceremonial-gun-salute-at-red-fort/na20220806191222821821259>

This Independence Day "Red Fort" will be witnessing something special as the country celebrates "Azadi Ka Amrit Mahotsav" marking the 75 years of independence. For the first time in history, The Advanced Towed Artillery Gun System (ATAGS), a prototype developed under the government's Make In India concept, by DRDO will be part of the 'Ceremonial Gun Salute' at Red Fort on August 15.

The indigenous guns built by DRDO will be firing during the Ceremonial Gun Salute along with the '25 Pounder British guns' which were traditionally fired till now. The DRDO team of Armament Research and Development Establishment (ARDE) led by a serving Lieutenant Colonel is responsible for getting these firing practices conducted.

ATAGS has already proved its mettle in the recently conducted summer trials at Pokhran in May 2022 and is currently undergoing a DGQA evaluation. The project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. DRDO laboratory Armament Research and Development Establishment (ARDE) has partnered with **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialized gun

ATAGS, the 155mm caliber Gun has a firing range of 48 km. With advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, and automatic command, and control system with night capability in direct-fire mode, the gun is a world-class system that fires in a Bi-modular charge system in Zone 7. It is noteworthy that no other Gun in the world is known to have that capability yet.

Headline: What is ATAGS, the indigenous howitzer used in Independence Day 21-gun salute?

Publication : Indian Express

Date : August 7, 2022

Journalist:

<https://indianexpress.com/article/explained/what-is-atags-indigenous-howitzier-i-day-21-gun-salute-8090428/>

In a first, an indigenously developed howitzer gun, ATAG, became part of the 21-gun salute during the Independence Day ceremony at the Red Fort Monday. Developed by the DRDO, the Advanced Towed Artillery Gun System (ATAGS) was used alongside the traditional British-origin '25 Pounders' artillery guns.

Prime Minister Narendra Modi also referred to the gun while speaking about the Atmanirbhar Bharat initiative of the Centre during his Independence Day speech. "Today, for the first time in 75 years since Independence, a Made-in-India artillery gun was used in the 21-gun salute that is given to the tricolour. All Indians will be inspired and empowered by this sound. And that is why, today, I want to thank our Armed forces for carrying the responsibility of Atmanirbharta on their shoulders in an organized manner," the PM said.

The 21-gun salute tradition

When the National Anthem is played by the Military Band after the unfurling of the Tricolour at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

The 21-gun salute tradition

When the National Anthem is played by the Military Band after the unfurling of the Tricolour at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

Over the years, this 21-gun salute — which are blanks — was fired by the World War era howitzers of British make known as 'Ordnance Quick Fire 25 Pounder' or just '25 Pounder'.

Inclusion of ATAGS

This year, two Advanced Towed Artillery Gun System (ATAGS) howitzers joined the battery that fired along with other 25 Pounders, officials have said.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer gun developed by the Defence Research and Development Organisation (DRDO) with its Pune-based facility Armament Research and Development Establishment (ARDE) being the nodal agency.

Howitzers is an umbrella term for a category of long-range artillery guns.

Some practice firing sessions of the ATAGS were held in the run up to the Independence Day celebrations. Officials said that including the ATAGS in the symbolic activity of 21-gun salute is a crucial step in the journey and is significant towards its induction into the Army.

Development of the ATAGS

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155 mm artillery gun. With ARDE as the nodal laboratory, other DRDO facilities that

joined the development efforts are Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment (PXE), Centre for Artificial Intelligence and Robotics (CAIR), and Defence Electronics Applications Laboratory (DEAL). The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun system.

After the several tests of the subsystems in the initial phases of development, July 2016 marked a key milestone when the proof-firing of ATAGS was conducted during the technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore.

In August and September 2017, a record target range of around 48 km was achieved at Pokhran Field Firing Range.

The system has subsequently undergone various levels of trials in different weather and terrain conditions. In 2020, the ATAGS reported a mishap during one of its test firing at Pokhran which was probed by the DRDO.

The system is currently undergoing an evaluation by the Directorate General Quality Assurance (DGQA) marking its final stage before the Army places orders for it. The DGQA is a nodal agency for the quality assurance of all arms, ammunition, equipment and stores supplied to the Armed Forces.

#### ATAGS features

The armament system of ATAGS mainly comprises barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunition held by Army with a longer range, accuracy and precision and provides greater firepower.

The ATAGS is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It has advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in the direct fire mode.

During its September 2017 test at Pokhran, the maximum ranges of 38.5 km and 48 km, with boat tail and extended range full bore types of projectiles, were achieved. This, the DRDO officials say, are at least 20% more than ranges achieved by any contemporary gun system. During the same trials, a minimum range of 4.7 km was achieved from the systems meeting the critical parameter of minimum range at high angle. The specialised gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Army.

#### Future role

The development process of ATAGS by the DRDO coincides with development of Howitzer Dhanush for Advanced Weapons and Equipment India of the erstwhile Ordnance Factory Board.

In 2019, the Army and the Ministry of Defence gave bulk production clearance to produce 114 Dhanush. Officials hope that the two flagship products under Make In India — ATAGS and Dhanush — will successfully replace the older systems from the artillery in coming days.

Headline: Indigenous gun debuts, self-reliance in focus in Modi's Independence Day speech

Publication : Hindustan Times

Date : August 15, 2022

Journalist:

<https://www.hindustantimes.com/india-news/pm-calls-for-greater-self-reliance-lauds-armed-forces-for-promoting-vision-101660548256155.html>

Prime Minister Narendra Modi made a special mention of an indigenous artillery gun being deployed at the Independence Day function as he called for furthering self-reliance in different sectors while charting out the road map for India's growth and development in the next 25 years when the country will mark its Independence centenary, even as he lauded the armed forces for supporting the vision of Aatmanirbharta (self-reliance).

For the first time on Monday, a prototype of the advanced towed artillery gun system (ATAGS) was used for the ceremonial 21-gun salute, along with British guns that have been traditionally used for the event. The howitzer has been designed and developed under the government's Make in India initiative to strengthen the defence manufacturing sector in the country.

"For how long can we be dependent on others?" the PM asked addressing the country on the 76th Independence Day.

In his 80-minute address, Modi said "self-reliant India" was not a government programme, but a mass movement for the society to take forward. "It is the responsibility of the government, of every citizen, and of every unit of society."

The PM also invoked Indian nationalist and philosopher Aurobindo, who was born on August 15, to drive home the message of self-reliance. "As we celebrate Aurobindo's birthday, let us ensure we follow his mantra 'Swadeshi se Swaraj, Swaraj se Suraaj'," Modi said. His reference is to the practice of boycotting foreign-made products and using domestically made ones, popularly called the Swadeshi movement, and which many people believed was one of the routes to independence of self-rule (Swaraj). Suraaj stands for good governance.

The PM saluted armed forces personnel for furthering the vision of Aatmanirbhar Bharat while making a mention of the phased ban imposed by the government on the import of 310 different weapons and systems over the last two years. These weapons and platforms will be indigenised in phases over the next five to six years.

The Defence Research and Development Organisation (DRDO) began the ATAGS project in 2013 to replace older guns with a modern 155mm artillery gun. It partnered with two private firms, **Bharat Forge** Limited and Tata Advanced Systems Limited, for manufacturing the gun, which has a firing range of 48km.

Armed forces personnel have shouldered the responsibility of Aatmanirbhar Bharat and "unhein jitna salute karoon, utna kamm hai (no amount of respect is too much for them)," the PM said.

Self-reliance is the starting point for India to become a regional or global power, said Air Marshal Anil Chopra (retd), director general, Centre for Air Power Studies. "The defence production ecosystem is finally taking off, with aircraft, ships, tanks and guns being manufactured in the country," Chopra added.

The military hardware sought to be indigenised covers lightweight tanks, naval utility helicopters, artillery guns, missiles, loitering munitions, missile destroyers, ship-borne cruise missiles, light combat aircraft, light transport aircraft, long-range land-attack cruise missiles, basic trainer aircraft, multi-barrel rocket launchers, assault rifles, sniper rifles, specified types of helicopters, and airborne early warning and control (AEW&C) systems.

In July, Modi said the goal of attaining self-reliance in defence was critical for the country in the 21st century, and innovative indigenous solutions were important for future challenges.

India's military imports dropped 21% between 2012-16 and 2017-21, according to report published by Stockholm International Peace Research Institute (Sipri) in March. The country's defence exports touched the Rs13,000-crore mark in 2021-22, with the private sector's share pegged at 70%, according to defence ministry data.

The government has earmarked ₹84,598 crore, 68 % of the military's capital acquisition budget , for purchasing locally produced weapons and systems in 2022-23. Import substitution of ammunition, which is a recurring requirement, is a top priority for the government.

**Headline: Made In India Howitzer Gun to Make Independence Day Debut for 21 Gun Salute**

**Publication : News18**

**Date : August 13, 2022**

**Journalist:**

<https://www.news18.com/news/india/made-in-india-howitzer-gun-to-make-independence-day-debut-for-21-gun-salute-all-you-need-to-know-5746201.html>

As India celebrates 75 years of Independence with the grand 'Aazadi Ka Amrit Mahotsav', the country is looking forward to Prime Minister Narendra Modi hoisting the flag at Red Fort on August 15 as per tradition. However, this time, the world will see a change in the ceremony in a testament to India's growing capacity and capabilities.

For the first time, a home-grown howitzer gun, Advanced Towed Artillery Gun System (ATAGS) prototype, developed under the 'Make in India' initiative, will be used for the ceremonial 21-gun salute during the ceremony at Red Fort. The wholly indigenous gun, designed and developed by Defence Research and Development Organisation (DRDO), will give the ceremonial 21-Gun salute along with the British guns which were traditionally fired till now. The gun has been customised, with technical specifications being tweaked for the ceremony.

The ATAGS is a 155mm calibre gun system with a firing range of 48 kilometres and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. It's a world-class system which fires the bi-modular charge system in Zone 7. No other gun in the world is known to have that capability yet.

"Normally, seven guns are used for 21 shots in the 21 gun salute. These are all iconic British guns. This time, we will use the indigenous Howitzer for one of the 21 shots," said RP Pandey, Scientist G, at DRDO. "This specialised gun system is compatible with C4I systems like the Artillery Combat Command and Control System called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army," he added.

The gun is manufactured by **Bharat Forge** and Tata Power SED. Under the project that was started in the year 2013 to replace older guns in service in the Indian Army, the DRDO has developed a total of 10 prototypes.

The gun has been deputed at the Red Fort premises for necessary drills and has been tried and tested before. For now, officers designated for the duty are excited for D-day.

Headline: What is ATAGS Howitzer, the indigenous artillery gun used in I-Day gun salute

Publication : India Today

Date : August 15, 2022

Journalist:

<https://www.indiatoday.in/india/india-75/story/what-is-atags-howitzer-indigenous-artillery-gun-used-in-independence-day-gun-salute-1988122-2022-08-15>

For the first time since Independence, an India-made artillery gun boomed from the ramparts of the Red Fort on Monday when India celebrated its 75 years of Independence. Made in India, the Advanced Towed Artillery Gun System (ATAGS) Howitzer accorded the ceremonial 21-gun salute at the Red Fort in Delhi on Monday before PM Narendra Modi delivered his Independence Day address to the nation.

The ATAGS Howitzer (long-range artillery gun) that uses 155 mm × 52 calibre shells was completely developed by the Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

ATAGS is a large calibre Gun system with the capability to program and fire future Long Range Guided Munitions (LRGM) to achieve precision and deep strike. Developed over four years by the Armament Research & Development Establishment (ARDE) lab, it is the first indigenously developed artillery gun used for the Independence Day salute at Red Fort.

It has an all-electric drive and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communications system, and automatic command and control system with night capability in direct-fire mode.

During trials in 2014, the ATAGS Howitzer achieved a record range of 48 km. In May this year, it cleared all field trials. It is now awaiting commissioning in the Indian Army after a final round of checks and approvals.

Before this, only the British Ordnance QF 25-pounder was being used for the 21-gun salute right after the unfurling of the Tricolour. This year, two ATAGS Howitzer were used alongside the British guns.

The India-made Howitzer stands as a testament to India's growing capacity to develop arms and ammunition indigenously. Lt Colonel Gagandeep Singh Sandhu commanded the gun unit with firing instructor Naib Subedar Gulab Wable. The gun was specially customised, with certain technical specifications for the ceremony.

After the salute, PM Modi in his Independence Day speech said: "This was for the first time in 75 years since Independence that a Made-in-India artillery gun was used in the 21-gun salute to India's Tricolour. All Indians will be inspired by its sound."

The 21-gun salute is a British tradition that India acquired during its colonial days. The salute is accorded on exceptional occasions, such as on Republic Day, Independence Day, the oath-taking ceremony of the President of India, etc.



Headline: On Independence Day, Made-In-India Gun Used In Ceremonial Salute

Publication : NDTV

Date : August 15, 2022

Journalist:

<https://www.ndtv.com/india-news/on-independence-day-made-in-india-atag-gun-used-in-ceremonial-salute-5-points-3255687>

For the first time, a made-in-India howitzer gun was part of the 21-gun salute during the Independence Day celebrations at Red Fort in New Delhi on Monday. The Advanced Towed Artillery Gun (ATAG) was used along with British-made 25-Pounders.

Here are five facts about ATAGS:

The towed artillery gun has been developed by Defence Research and Development Organisation (DRDO) and produced by two firms **Bharat Forge** and Tata Advanced Systems Limited.

According to Defence Ministry's release, the armament system of ATAGS mainly comprise barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunitions held by Indian Army with a longer range, accuracy and precision and provides greater fire power.

ATAG is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It will have a firing range of 40 kilometres with advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in direct fire mode.

The DRDO has undertaken the development of the new-generation guns as a part of artillery modernisation programme of Indian Army. Armament Research and Development Establishment (ARDE) in Pune is the nodal laboratory of DRDO for design and development of ATAG along with other laboratories of the defence body.

The gun is expected to be the mainstay of the Indian Army tower howitzer fleet and may also be used to replace the Bofors howitzers.

**Headline: On I-Day, Modi hails military's contribution in realising Aatma Nirbhar Bharat in defence sector**

**Publication : New Indian Express**

**Date : August 13, 2022**

**Journalist:**

<https://www.newindianexpress.com/nation/2022/aug/15/on-i-day-modi-hails-militarys-contribution-in-realising-aatma-nirbhar-bharat-in-defence-sector-2487797.html>

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the Aatma Nirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun. "After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Atmanirbhar Bharat, I salute them for this," PM Modi said.

"For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward," the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins. "I also salute the children who are saying No to imported toys. When a 5-year-old says 'No videshi', Aatmanirbhar Bharat runs through his veins," he added.

Eulogising India's journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector. "Through the PLI (production linked incentive) schemes, we are becoming the manufacturing powerhouse of the world. People are coming to India to Make In India," he said.

"We need to be Aatmanirbhar in our energy sector. From solar energy to Mission Hydrogen to adoption to EVs (electric vehicles), we need to take these initiatives to the next level for energy independence," the Prime Minister added.

Earlier on Monday, PM Modi hoisted the Tricolour at the Red Fort. Prior to that, he inspected the Guard of Honour which was positioned directly in front of the National Flag across the moat below the ramparts.

The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour.

On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar.

Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime Minister. Thereafter, PM Modi inspected the Guard of Honour. MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

Meanwhile, people are enthusiastically taking part in the 'Har Ghar Tiranga' campaign under the aegis of Azadi Ka Amrit Mahotsav. The 'Har Ghar Tiranga' campaign commenced on Saturday and will run till Monday.

Headline: Independence Day 2022: 21 तोपों की सलामी में स्वदेशी आर्टिलरी गन 'अटैग' भी रहा शामिल, पहली बार हुआ ऐसा

Publication : ABP Live

Date : August 15, 2022

Journalist:

<https://www.abplive.com/news/india/swadesi-atags-gun-in-seen-first-time-in-independence-day-celebration-in-red-fort-ann-2192604>

लाल किले (Red Fort) पर स्वतंत्रता दिवस समारोह (Independence Day) के दौरान आज 21 तोपों की सलामी 07 ब्रिटिश पाउंडर-गन और एक स्वदेशी 'अटैग' गन से दी गई थी. देश आजाद होने के 75 साल बाद पहली बार ऐसा हुआ है कि 21 तोपों की सलामी में कोई स्वदेशी आर्टिलरी गन भी शामिल की गई. अभी तक द्वितीय विश्वयुद्ध (Second World War) की ब्रिटिश पाउंडर-गन से 21 तोपों की सलामी दी जाती आई थी.

भारतीय सेना ने 21 तोपों की सलामी का वीडियो भी ट्वीट किया है. वीडियो में लाल किले के परिसर में एक खंदक में 07 पाउंडर गन से फायरिंग दिखाई पड़ रही है. साथ ही डीआरडीओ (DRDO) द्वारा टाटा और भारत-फोर्ज के सहयोग से तैयार की गई अटैग गन से भी फायरिंग दिखाई पड़ रही है. भारतीय सेना की 871 फील्ड रेजीमेंट के गनर्स ने इस खास मौके पर ये सलामी दी. बता दें कि पहली बार ऐसा हुआ है कि इस साल लाल किले पर स्वतंत्रता दिवस समारोह में प्रधानमंत्री मोदी को 21 तोपों की सलामी में स्वदेशी आर्टिलरी गन, 'अटैग' को भी शामिल किया गया है.

स्वदेशी अटैग गन को किसने तैयार किया?

अटैग यानी एडवांस टोअड आर्टिलरी गन सिस्टम ( ATAGS या अटैग सिस्टम) को सरकारी रक्षा उपक्रम, डिफेंस रिसर्च एंड डेवलपमेंट ऑर्गेनाइजेशन यानी डीआरडीओ( DRDO) ने टाटा और भारत-फोर्ज कंपनियों (Bharat Forge) के साथ मिलकर तैयार किया है. 155 x 52 कैलिबर की इस एटीएजीएस तोप की रेंज करीब 48 किलोमीटर है और जल्द ही भारतीय सेना के तोपखाने का हिस्सा बनने वाली है. वर्ष 2018 में रक्षा मंत्रालय ने थल सेना के लिए 150 अटैग गन खरीदने की मंजूरी दी थी. रक्षा मंत्रालय के मुताबिक लाल किले में असली गन से फायर 'सेरेमोनियल' ही होता है . इसके लिए तोप की आवाज और गोले को 'कस्टमाइज' किया जाता है.

Headline: What is the indigenous howitzer ATAGS, which was fired in the I-Day 21-gun salute?

Publication : NewsX

Date : August 15, 2022

Journalist:

<https://www.newsx.com/top-news/indigenous-howitzer-atags-which-was-fired-in-the-i-day-21-gun-salute.html>

ATAG, an indigenously produced howitzer gun, was included in the 21-gun salute at Monday's Independence Day event at the Red Fort.

The Advanced Towed Artillery Gun System (ATAGS), developed by the DRDO, was employed alongside classic British-origin '25 Pounders' artillery cannons.

ATAGS inclusion

According to authorities, two Advanced Towed Artillery Gun System (ATAGS) howitzers joined the battery that fired with the other 25 Pounders this year.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer cannon created by the Defence Research and Development Organisation (DRDO), with the key agency being the Pune-based Armament Research and Development Establishment (ARDE).

In the run-up to the Independence Day celebrations, some ATAGS fire practise sessions were organised. According to officials, engaging the ATAGS in the symbolic action of the 21-gun salute is a critical step in the route toward its entrance into the Army.

The customary 21-gun salute

When the National Anthem is played by the Military Band following the Prime Minister's unfurling of the Tricolour at the Red Fort, a 21-volley cannon salute is fired by a ceremonial battery from an artillery regiment.

The custom of gun salutes originated in Western fleets, where guns from ports and approaching ships were fired in a certain manner to signal that there was no violent intent. This custom was continued as a manner of paying respects or extending an official welcome to the Crown, royals, military leaders, and heads of state. The tradition was passed down from the British monarchs, who had gun salutes consisting of 101 volleys, 31 volleys, 21 volleys, and so on, depending on the hierarchy. In India, artillery cannon salutes are fired on Republic Day, Independence Day, and at the President's inauguration ceremony, among other events.

The creation of the ATAGS

DRDO launched the ATAGS project in 2013 to replace obsolete weapons in the Indian Army with new 155 mm artillery systems. Other DRDO facilities that participated in the development efforts, in addition to ARDE, are the Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment (PXE), Centre for Artificial Intelligence and Robotics (CAIR), and Defence Electronics Applications Laboratory (DEAL). The ARDE worked with **Bharat Forge** Limited and Tata Advanced Systems Ltd to develop this specialised gun system.

Following multiple testing of the subsystems throughout the early stages of development, the proof-firing of ATAGS occurred during technical trials at DRDO's Proof and Experimental Establishment (PXE)

at Balasore in July 2016. Pokhran Field Firing Range set a new target range record of roughly 48 kilometres in August and September 2017.

Following that, the system underwent multiple stages of testing in various weather and terrain circumstances. The ATAGS reported a mishap during one of its test firings at Pokhran in 2020, which was investigated by the DRDO.

Maximum ranges of 38.5 km and 48 km were reached with boat tail and extended range full bore bullets during a September 2017 test at Pokhran. According to DRDO officials, this is at least 20% more than the ranges of any modern gun system. During the same test, systems matching the crucial criteria of minimum range at high angle attained a minimum range of 4.7 km. The specialised gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems such as the Army's Shakti Artillery Combat Command and Control System (ACCCS) for technical fire control, fire planning, deployment management, and operational logistics management.

#### Prospective responsibilities

The DRDO's development of ATAGS corresponds with the development of the former Ordnance Factory Board's Howitzer Dhanush for Advanced Weapons and Equipment India. The Army and the Ministry of Defence approved bulk manufacturing of 114 Dhanush in 2019. Officials expect that the two flagship products of Make In India, ATAGS and Dhanush, will successfully replace the obsolete artillery systems in the coming days.

Headline: Gun salute with desi Howitzer on I-Day

Publication : Daily Pioneer

Date : August 11, 2022

Journalist:

[Gun salute with desi Howitzer on I-Day \(dailypioneer.com\)](https://dailypioneer.com)

For the first time, an indigenously designed and manufactured Howitzer gun will be used for ceremonial gun salute during the Independence Day here to showcase capabilities of the Indian defence industry.

Also, people from different walks of life like mortuary workers, mudra scheme borrowers and anganwadi workers will be special invitees for the event at the Red Fort.

Besides these novel additions, National Cadet Corps (NCC) cadets, wearing traditional and local dresses, will form the gathering when Prime Minister Narendra Modi addresses the nation on Monday, Defence Secretary Ajay Kumar said here on Wednesday.

Giving details of the new features of the Independence Day celebrations at the Red Fort this year, he said an indigenously made Howitzer will be used for the ceremonial 21-gun salute. The gun salute entails firing of blanks by the World War II era howitzers of British make till now.

The Howitzer or the Advanced Towed Artillery Gun System (ATAGS) is developed under the Government's "Make in India" initiative by the Defence Research and Development Organisation (DRDO).

The ATAGS will give the ceremonial 21-gun salute along with the British guns which are being traditionally used till now, Kumar said.

The initiative to use the gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been especially customised, with certain technical specifications tweaked for the ceremony. The DRDO's Armament Research and Development Establishment (ARDE), Pune, led by scientists and artillery officers worked on the project to make use of the gun possible for the Independence Day ceremony.

The ATAGS project was started in 2013 by the DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun.

This specialised gun system is compatible with C4I systems like the Artillery Combat Command and Control System called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army. The ARDE has collaborated with **Bharat Forge Limited** and Tata Advanced Systems Ltd for the manufacturing of this specialised gun.

The Defence Secretary also said the NCC cadets from all districts of the country have been invited to attend the main event at Red Fort. These cadets will be seated at 'Gyan Path' in front of the Red Fort's ramparts in a geographical formation of the map of India.

The cadets will adorn local dresses, symbolising India's cultural diversity, to carry forward the message of 'Ek Bharat Shrestha Bharat,' he said.

Moreover, in an effort to involve sections of society, which are usually overlooked, this year's celebrations at the Red Fort will see the presence of anganwadi workers, street vendors and mudra scheme borrowers besides others. They have been invited as special guests, he added. This initiative was first taken during the Republic Day parade this year.

A total of 26 officers and supervisors and 127 foreign cadets from 14 countries -- US, UK, Argentina, Brazil, Fiji, Indonesia, Kyrgyzstan, The Maldives, Mauritius, Mozambique, Nigeria, Seychelles, the UAE and Uzbekistan -- are already in India for the Independence Day celebrations. Apart from attending the main event at Red Fort, they will visit places of cultural and historical importance in Delhi and Agra.



Headline: Independence Day 2022: What is ATAGS, the Indigenous Howitzer Used for First time During Ceremonial Salute at Red Fort Today

Publication : India.com

Date : August 15, 2022

Journalist:

<https://www.india.com/explainer/atags-the-indigenous-howitzer-made-in-india-gun-used-for-first-time-during-ceremonial-salute-at-red-fort-independence-day-watch-video-5572876/>

During the ceremonial 21-shot salute to the tricolour at the historic Red Fort on India's 76th Independence Day today, a made-in-India gun was used for the first time in 75 years of the nation's independence. Also, for the first time, MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

So far, British guns have been used for ceremonial salute. "The sound that we always wanted to hear, we are hearing it after 75 years. It is after 75 years that the tricolour has got the ceremonial salute at the Red Fort for the first time from a made-in-India gun," Prime Minister Narendra Modi said. He further added that all Indians will be inspired and feel empowered on hearing this made-in-India gun roar.

In his speech at the Red Fort, Prime Minister Modi also commended the armed forces personnel for adopting his vision of Atmanirbhar Bharat (self-reliant India) and taking steps towards realising it.

"I want to salute the soldiers of this country from my heart. The manner in which my vision of Atmanirbhar Bharat has been collectively adopted by the soldiers and officers of the armed forces, I can not salute them enough." It is not a small resolution when a soldier decided to list 300 items that it will not import from other countries, Modi said.

He was referring to the Defence Ministry's decision to issue multiple "positive indigenisation lists" that lists 300 plus items which will not be imported after a certain period of time. "I can see the seeds of Atmanirbhar Bharat in that resolution that will lead to the birth of a big tree," Modi added.

What is ATAGS — The Indigenous howitzer gun

The indigenous howitzer gun that was used for the ceremonial salute on Monday has been designed by the Centre-run Defence Research and Development Organisation (DRDO). And, this year, two Advanced Towed Artillery Gun System (ATAGS) howitzers joined the battery that fired along with other 25 Pounders, said officials.

Sangam Sinha, DG (R&M), DRDO said, "On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km."

"The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

ATAGS is a 155mm calibre Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. A team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been responsible for making this possible.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a world-class system which fires the Bimodular charge system in Zone 7. No other Gun in the world is known to have that capability yet. ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation. This gun system is designed to provide one of the best accuracy and consistency in gun systems compared to other gun systems of the same calibre in the world. ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialised Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: ATAGS Howitzer on Red Fort Video:  
Indigenous guns fired from Red Fort for the first  
time; Modi said, the ears were thirsty

Publication : Lokmat

Date : August 15, 2022

Journalist:

<https://www.lokmat.com/national/video-made-in-india-atags-howitzer-firing-red-fort-in-delhi-first-time-independence-day-modi-said-waiting-for-this-sound-a607/>

India became independent from British rule in 1947. 30 years after this, India embarked on a project to develop an air-to-air missile to become self-reliant in the defense sector. Since then, India has been focusing on manufacturing indigenous weapons. Today's Independence Day will be known for one more thing. My ears were thirsty for this voice, Modi said during his speech. the sound of what of indigenous cannon.

For the first time, a salute was fired from the Red Fort by an indigenous howitzer gun. The name of this gun is Advanced Towed Artillery Gun System (ATAGS). The guns are jointly developed by DRDO's Ordnance Research and Development Establishment (ARDE), Tata Advanced Systems Limited, Mahindra Defense Naval System and **Bharat Forge** Limited. The barrel of this gun is 155mm/52 caliber. It was recently successfully tested at Pokran Field Firing Range in Rajasthan.

The Indian Army currently has 7 of these 155 mm guns. 40 guns have been ordered. Apart from this, another 150 guns will be manufactured. Burst mode fires 3 rounds in 15 seconds, Intense fires 15 rounds in 3 minutes and 60 rounds in 60 minutes. Firing range is 48 km. It is being increased to 52. ATAGS has taken about four years to develop. Indians were first featured in the Republic Day parade on 26 January 2017.

After hearing the sound of this cannon, Modi mentioned it in his speech. A self-reliant India is the responsibility of every citizen, every government and every section of society. After 75 years of independence, our ears were thirsty to hear this voice. After 75 years, a Made in India cannon saluted the Tricolor from the Red Fort, Modi said.

Headline: I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day

Publication : The Print

Date : August 15, 2022

Journalist:

<https://theprint.in/india/i-day-2022-pm-modi-salutes-defence-forces-after-made-in-india-gun-used-for-first-time-in-ceremonial-salute-at-red-fort-on-i-day/1083404/>

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the AatmaNirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun.

"After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Atmanirbhar Bharat, I salute them for this," PM Modi said.

"For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward," the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute today has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins.

"I also salute the children who are saying No to imported toys. When a 5-year-old says 'No videshi', Aatmanirbhar Bharat runs through his veins," he added.

Eulogising India's journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector.

"Through the PLI (production linked incentive) schemes, we are becoming the manufacturing powerhouse of the world. People are coming to India to Make In India," he said.

"We need to be Aatmanirbhar in our energy sector. From solar energy to Mission Hydrogen to adoption to EVs (electric vehicles), we need to take these initiatives to the next level for energy independence," the Prime Minister added.

Earlier today, PM Modi hoisted the Tricolour at the Red Fort. Prior to that, he inspected the Guard of Honour which was positioned directly in front of the National Flag across the moat below the ramparts.

The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour.

On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar.

Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime Minister. Thereafter, PM Modi inspected the Guard of Honour.

MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

Meanwhile, people are enthusiastically taking part in the 'Har Ghar Tiranga' campaign under the aegis of Azadi Ka Amrit Mahotsav.

The 'Har Ghar Tiranga' campaign commenced on Saturday and will run till Monday.

Headline: Independence Day 2022: पहली बार देश में बनी हॉवित्जर देगी 21 तोप की सलामी, जानिए इसके बारे में सबकुछ

Publication : DNA India

Date : August 11, 2022

Journalist:

[Independence Day 2022: पहली बार देश में बनी हॉवित्जर देगी 21 तोप की सलामी, जानिए इसके बारे में सबकुछ \(dnaindia.com\)](https://www.dnaindia.com)

डीएनए हिंदी: देश की आजादी की 75वीं वर्षगांठ का समारोह बेहद अनूठा साबित होने जा रहा है. पहली बार स्वतंत्रता दिवस (Independence Day 2022) के मौके पर लाल किले (Red Fort Delhi) से देश में ही बनी हॉवित्जर () से सलामी दी जाएगी. केंद्र सरकार ने 15 अगस्त को पारंपरिक 21 तोप की सलामी (ceremonial 21 Gun Salute) वाले समारोह में 25 पाउंडर ब्रिटिश गन्स (25 Pounder British guns) के साथ स्वदेशी आर्टिलरी गन ATAGS (Advanced Towed Artillery Gun System) को भी दागने की मंजूरी दी है.

ATAGS को DRDO ने 'मेक इन इंडिया (Make in India)' पहल के तहत पूरी तरह स्वदेशी मैटीरियल से विकसित किया है. आजादी के बाद से अब तक 21 तोपों की सलामी 25 पाउंडर ब्रिटिश गन्स से ही देने की परंपरा रही है. इस समारोह के लिए ATAGS को लाल किले पर पहुंचाने के बाद बुधवार को इसकी जांच की गई.

DRDO के महानिदेशक (R&M) संगम सिन्हा (Sangam Sinha) के मुताबिक, ATAGS दुनिया की सबसे लंबी दूरी की तोप है, जिससे 45 से 48 किलोमीटर दूर तक सफल निशाना लगाया जा सकता है. उन्होंने कहा, इस तोप को पुणे स्थित DRDO की आर्मामेंट रिसर्च एंड डवलपमेंट एस्टेबलिशमेंट (ARDE) की टीम ने डवलप किया है. सबसे बड़ी बात यह है कि पहली बार भारत में मेड इन इंडिया के तहत भारत फोर्ज (Bharat Forge) कंपनी ने इसका उत्पादन देश में ही किया है. उन्होंने कहा, देश की आजादी के अमृत वर्ष में यह सबसे बड़ा तोहफा है, जो भारतीय सेना (Indian Army) को बड़ा सपोर्ट देगा.

ह हैं कुछ खास फीचर

155mm कैलिबर की ATAGS की फायरिंग रेंज 48 किलोमीटर तक है.

यह हाई मोबिलिटी, क्रिक डेप्लॉयबिलिटी, ऑक्सलरी पॉवर मोड से लैस है.

यह एडवांस्ड कम्युनिकेशन, ऑटोमेटिक कमांड-कंट्रोल सिस्टम से चलती है.

इस तोप की खासियत है कि यह रात में भी सीधा फायर करने में सक्षम है.

यह वर्ल्ड की इकलौती तोप है, जो जोन-7 में बॉईमॉड्यूलर चार्ज सिस्टम से फायर करती है.

परीक्षणों में यह इसी कैलिबर वाली दुनिया की टॉप गन सिस्टम्स के बराबर सटीक निकली है.

**Headline: लाल किले से पहली बार दागी गई स्वदेशी तोप ATAGS, PM मोदी ने की तारीफ, जानिए इसकी ताकत**

**Publication : Aaj Tak**

**Date : August 15, 2022**

**Journalist:**

<https://www.aajtak.in/india/news/story/made-in-india-howitzer-atags-155-mm-first-time-fired-in-independence-parade-at-red-fort-tstrd-1518592-2022-08-15>

15 अगस्त 1947 को देश आज़ाद हुआ. लेकिन इसके करीब 30 साल बाद पहली बार सतह से हवा में मार करने वाली मिसाइल प्रोजेक्ट की शुरुआत हुई. तब से लेकर आजतक भारत स्वदेशी हथियारों, मिसाइलों और टैंकों पर ध्यान दे रहा है. बना रहा है. आज़ादी के अमृत महोत्सव के मौके पर लाल किले से पहली बार स्वदेशी हॉवित्जर तोपों से सलामी दी गई. इस तोप का नाम है एडवांस्ड टोड आर्टिलरी गन सिस्टम (Advanced Towed Artillery Gun System- ATAGS). प्रधानमंत्री नरेंद्र मोदी ने भी अपने भाषण के दौरान इन तोपों की तारीफ की.

इन तोपों को डीआरडीओ की आर्मामेंट रिसर्च एंड डेवलपमेंट इस्टैबलिशमेंट (ARDE), टाटा एडवांस्ड सिस्टम्स लिमिटेड, महिंद्रा डिफेंस नेवल सिस्टम और भारत फोर्ज लिमिटेड ने मिलकर बनाया है. यह तोप 155 mm/52 कैलिबर की है. हाल ही में राजस्थान के पोकरण फील्ड फायरिंग रेंज में इसका सफल परीक्षण किया गया था. इस तोप को किसी भी स्थान पर ले जाकर तैनात किया जा सकता है. चाहे पाकिस्तान की सीमा हो या फिर चीन की सीमा के पास लद्दाख में.

भारतीय सेना के पास 155 mm की यह गन फिलहाल 7 हैं. साल 2016 में इसका पहला परीक्षण हुआ था. 40 तोपों का ऑर्डर किया हुआ है. इसके अलावा 150 और तोप बनाए जाएंगे. इसे चलाने के लिए 6 से 8 लोगों की जरूरत पड़ती है. बर्स्ट मोड में 15 सेकेंड में 3 राउंड, इंटेस में 3 मिनट में 15 राउंड और 60 मिनट में 60 राउंड फायर करता है. इसकी फायरिंग रेंज 48 किलोमीटर है. लेकिन इसे बढ़ाकर 52 करने का प्रयास किया जा रहा है.

चीन हो या PAK की सीमा, कहर हर जगह

इस गन का वजन 18 टन है. इसकी नली यानी बैरल की लंबाई 8060 मिलिमीटर है. यह माइनस 3 डिग्री से लेकर प्लस 75 डिग्री तक एलिवेशन ले सकता है. अगर इसमें HE-BB या हाई एक्सप्लोसिव बेस ब्लीड एम्पूनिशन लगाया जाए तो इसकी रेंज बढ़कर 52 किलोमीटर हो जाती है. इसमें थर्मल साइट और गनर्स डिस्प्ले लगा हुआ है.

ATAGS को विकसित करने में करीब चार साल लगे हैं. इसके ऑर्डिनेंस सिस्टम और रीकॉयल सिस्टम की वजह से इसमें थोड़ी देरी हुई. इसे सबसे पहले 26 जनवरी 2017 को गणतंत्र दिवस परेड पर लोगों के सामने प्रदर्शित किया गया था. अब तक इसके छह से सात परीक्षण हो चुके हैं. भारत के पास इस तरह के अन्य और भी तोप हैं. आइए जानते हैं उनके बारे में भी.

धनुष (Dhanush) : 155 mm/45 कैलिबर टोड हॉवित्जर धनुष को साल 2019 में भारतीय सेना में शामिल किया गया है. यह बोफोर्स तोप का स्वदेशी वर्जन है. फिलहाल सेना के पास 12 धनुष है. 114 का ऑर्डर गया हुआ है. जिनकी संख्या अंत तक बढ़ाकर 414 की जा सकती है. अब तक 84 बनाए जा चुके हैं. इसे चलाने के लिए 6 से 8 कू की जरूरत होती है. इसके गोले की रेंज 38 किलोमीटर है. बर्स्ट मोड में यह 15 सेकेंड में तीन राउंड दागता है. इंटेस मोड में 3 मिनट में 15 राउंड और संस्टेंड मोड में 60 मिनट में 60 राउंड. यानी जरूरत के हिसाब से दुश्मन के छक्के छुड़ा सकता है.

एम777 (M777): 155 mm लाइट टोड हॉवित्जर अमेरिका से भारत मंगाया गया है. करीब 110 हॉवित्जर भारतीय सेना में तैनात हैं. 145 और ऑर्डर किए गए हैं, जिनकी एसेंबलिंग भारत में ही एक स्वदेशी निजी कंपनी द्वारा की जाएगी. इस हॉवित्जर ने अफगानिस्तान युद्ध, इराक वॉर, सीरिया वॉर समेत कई युद्धों में अपना बेहतरीन प्रदर्शन

दिखाया है. इसे चलाने के लिए 8 कू की जरूरत होती है. यह एक मिनट में 7 गोले दाग सकता है. इसके गोले की रेंज 24 से 40 किलोमीटर है. इसका गोला करीब एक किलोमीटर प्रति सेकेंड की गति से चलता है.

हॉबिट्स FH77A/B बोफोर्स (Haubits FH77A/B Bofors): भारत के पास कुल 410 बोफोर्स तोप हैं. जिन्हें 2035 तक धनुष हॉवित्जर से बदल दिया जाएगा. इस तोप का गोला 24 किलोमीटर तक जाता है. यह 9 सेकेंड में 4 राउंड फायर करता है. कारगिल युद्ध के समय इसी तोप के गोलों ने हिमालय की चोटियों पर बैठे पाकिस्तानी दुश्मनों को मार गिराया था. अब भारत के पास इससे बेहतर धनुष हॉवित्जर है.



Headline: This I-Day, Howitzer Developed By DRDO To Be A Part Of 21-Gun Salute

Publication : Bharat Shakti

Date : August 7, 2022

Journalist:

<https://bharatshakti.in/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gun-salute/>

In a first, the signature 21-gun salute during the Independence Day ceremony at the Red Fort this year will include the indigenous howitzer gun, ATAGS — developed by the DRDO facility in Pune — alongside the traditional British artillery guns.

Advanced Towed Artillery Gun System (ATAGS) is a home-grown 155 mm x 52 calibre howitzer gun developed by the Pune-based Armament Research and Development Establishment (ARDE) of the Defence Research and Development Organisation (DRDO).

Every year, the unfurling of the Tricolour by the Prime Minister is followed by a rendition of the national anthem which synchronises with the 21-gun salute fired by a ceremonial battery from an artillery regiment.

Over the years, this gun salute — which are blanks — is fired by the World War era howitzers of British make, known as ‘Ordnance Quick Fire 25 Pounder’ or just 25 Pounder. From the battery of eight guns that is generally deployed for the salute, seven fire three rounds each. This year, some ATAGS guns will be part of the battery that will fire along with some 25 pounders.

ARDE Director Ankhati Raju said, “It is a proud moment for me and the entire ARDE community that ATAGS will be giving salute to the nation during the 75th year of Independence. It is indeed a great achievement for ARDE and DRDO that for the first time an indigenously developed gun will be shouldering the responsibility of firing alongside the 25 pounder British Guns.”

Some practice firing sessions of the ATAGS have already been held in the run up to the Independence Day celebrations.

ATAGS is a fully indigenous towed artillery gun system project undertaken in mission mode by DRDO as a part of artillery modernisation programme of the Indian Army. System has a firing range of 48 km and has features like fast deployability, high mobility, auxiliary power mode, automatic command and control system, state-of-the-art communication system and night capability in direct-fire mode.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Army with a modern 155 mm artillery gun. The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun. The system has undergone various levels of trials in different conditions and is currently undergoing an evaluation by the Directorate General Quality Assurance, a nodal agency for the quality assurance of all arms, ammunitions, equipment and stores supplied to Armed Forces.

The ARDE, which is part of the Armament and Combat Engineering (ACE) cluster of the DRDO, is tasked with research, design and development of conventional armaments for Armed forces. ARDE has expertise in small arms, artillery guns, rocket systems, air-delivered munitions and warheads.

Headline: DRDO developed ATAGS to be part of 21 gun salute on Independence Day

Publication : IDRW

Date : August 7, 2022

Journalist:

<https://idrw.org/drdo-developed-atags-to-be-part-of-21-gun-salute-on-independence-day/>

Defense Research and Development Organisation (DRDO) developed the 155mm/52 caliber Advanced Towed Artillery Gun System (ATAGS) with two industry partners, Tata Advanced Systems Ltd, and **Bharat Forge** Ltd, for the first time and will create history when it will be part of the 21 gun salute that historically has been carried out by the World War 2 vintage 25 pounder guns.

Two ATAGS Guns will be part of the 7 25-pounder guns that go off in a closely synchronized action with the unfurling of the national flag and anthem from the first gunfire to the last. All Seven Guns fire three rounds each but this time Two rounds will be fired by Two ATAGS Guns.

21 gun salute ammunition consists of blank rounds that are provided by the Ordnance Factory Board. Army HQ due to the vintage nature of this gun is planning to phase this World War 2 vintage 25-pounder gun with a 105 mm Indian Ordnance Gun and is working to develop a blank round that can provide just the right decibel of sound.

Headline: 'Made in India' ATAGS to replace British-era guns for Independence Day gun salute at Red Fort

Publication : Asianet News

Date : August 6, 2022

Journalist:

<https://newsable.asianetnews.com/video/india-defence/made-in-india-atags-to-replace-british-era-guns-for-independence-day-gun-salute-at-red-fort-rg6g4y>

The Advanced Towed Artillery Gun System (ATAGS) will script history when it makes its debut at the Red Fort in the national capital during the 21-gun salute to mark the nation's Independence Day.

Developed by the Defence Research and Development Organisation, the 155 mm X 52 calibre ATAGS is a fully indigenous towed artillery gun system. The ATAGS armament comprises a barrel, breech mechanism, muzzle brake and recoil mechanism that enables the firing of 155 mm calibre ammunitions with a more extended range and precision.

Priced at about Rs 15 crore per gun, the ATAGS is a shining example of the Make in India thrust of the Narendra Modi government and the commitment to 'Aatmanirbhar Bharat'. The ATAGS is configured with an all-electric drive to ensure longer maintenance-free operations. The artillery gun reportedly has a firing range of over 40 Kms with advanced features in terms of high mobility, advanced communication system, quick deployability, auxiliary power mode, automatic command and control system with night firing capability in direct fire mode.

The indigenous guns will replace the 25 Pounder British guns, which were used till last year for the ceremonial gun salute. The defence ministry has released a video about this historic feat.

**Headline: Advanced Towed Artillery Gun System Fires Two Rounds During Independence Day Gun Salute Rehearsals**

**Publication : India Ahead**

Date : August 4, 2022

Journalist:

<https://indiaaheadnews.com/videos/advanced-towed-artillery-gun-system-atags-fires-two-rounds-during-independence-day-gun-salute-rehearsals-227167/>

For the first time in history, the Advanced Towed Artillery Gun System (ATAGS), a prototype developed under the government's Make In India concept, fired two rounds from the Red Fort. The firing took place on 2nd August 2022, as part of their practice firing, alongside the Ceremonial 25 Pounder Guns. These practice firings which constitute the famous 21 Gun salute are part of rehearsals for Independence Day celebrations 2022.

For the first time ever, indigenous guns built by DRDO, will be firing during the Ceremonial Gun Salute along with the '25 Pounder British guns' which were traditionally fired till now.

The DRDO team of Armament Research and Development Establishment (ARDE) led by a serving Lieutenant Colonel is responsible for getting these firing practices conducted.

ATAGS has already proved its mettle in the recently conducted summer trials at Pokhran in May 2022 and are currently undergoing DGQA evaluation.

The Advanced Towed Artillery Gun System (ATAGS) project started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun.

DRDO laboratory Armament Research and Development Establishment (ARDE) has partnered with **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS, the 155mm caliber gun has a firing range of 48 kms. With advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode, the gun is a world class system which fires in Bi-modular charge system in Zone 7. It is noteworthy that no other Gun in the world is known to have that capability yet.

As per information received from highly placed DRDO officials, the gun is designed to provide one the best accuracy and consistency in gun systems around the world.

The specialised Gun System is compatible with C3I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army.

Headline: This I-Day, howitzer developed by DRDO to be part of the 21-gun salute

Publication : World Republic

Date : August 7, 2022

Journalist:

<https://worldrepublicnews.com/this-i-day-howitzer-developed-by-drdo-to-be-part-of-the-21-gun-salute/>

In a first, the signature 21-gun salute at the Independence Day ceremony at the Red Fort this year will feature the indigenous howitzer gun, ATAGS – developed by the DRDO facility in Pune – alongside the guns of traditional British artillery.

Advanced Towed Artillery Gun System (ATAGS) is a 155mm x 52 caliber howitzer gun developed by the Pune-based Armament Research and Development Establishment (ARDE) of the Defense Research and Development Organization (DRDO) .

Each year, the deployment of the tricolor flag by the Prime Minister is followed by a performance of the national anthem which is synchronized with the 21-gun salute fired by a ceremonial battery of an artillery regiment.

Over the years this cannon salute – which is blank – has been fired by British World War II era howitzers known as the ‘Ordnance Quick Fire 25 Pounder’ or simply 25 Pounder. Of the battery of eight guns which is usually deployed for the salute, seven fire three shots each. This year, some ATAGS guns will be part of the battery which will fire some 25-pounders.

ARDE Director, Ankhathi Raju said, “It is a proud moment for me and the entire ARDE community that ATAGS honors the nation in the 75th year of the independence. It is indeed a great achievement for ARDE and DRDO that for the first time a locally developed gun will take on the responsibility of firing alongside the British 25 pounder guns.

Some ATAGS shooting training sessions have already taken place in the run up to Independence Day celebrations.

ATAGS is an all-indigenous towed artillery gun system project undertaken in mission mode by DRDO under the Indian Army Artillery Modernization Programme. The system has a firing range of 48 km and has features such as rapid deployment capability, high mobility, auxiliary power mode, automatic command and control system, advanced communication system and a night capability in direct fire mode.

The ATAGS project was launched in 2013 by DRDO to replace old guns in service with the army with a modern 155 mm artillery gun. ARDE collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd in the manufacture of this specialist weapon. The system has undergone various levels of testing under different conditions and is currently undergoing evaluation by the Directorate General of Quality Assurance, a nodal agency for the quality assurance of all weapons, ammunition, equipment and supplies. supplied to the armed forces.

ARDE, which is part of the Armament and Combat Engineering (ACE) division of the DRDO, has the mission of researching, designing and developing conventional armaments for armies. ARDE has expertise in small arms, artillery guns, rocket systems, airborne munitions and warheads.

Headline: This I-Day, howitzer developed by DRDO to be part of the 21-gun salute

Publication : Bharat Times

Date : August 7, 2022

Journalist:

<https://news.bharattimes.co.in/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gun-salute-henry-club/>

In a first, the signature 21-gun salute during the Independence Day celebrations at the Red Fort this year will involve the indigenous cannon, ATAGS – developed by the DRDO facility in Pune – along with conventional British artillery guns.

The Advanced Towed Artillery Gun System (ATAGS) is a domestic 155 mm x 52 caliber howitzer gun developed by the Pune-based Armament Research and Development Establishment (ARDE) of the Defense Research and Development Organization (DRDO).

Every year, the national anthem is sung after the Prime Minister unfurls the tricolor, which coincides with a 21-gun salute fired by a ceremonial battery from an artillery regiment.

Over the years, these gun salutes – which are empty – have been fired by World War I howitzers of British make, known as the ‘Ordnance Quick Fire 25 Pounder’ or simply the 25 Pounder. Normally seven bullets fired three rounds each from a battery of eight guns used for salutes. This year, some ATAGS guns will be part of the battery that will fire with about 25 pounders.

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A few practice firing sessions of the ATAGS have already been conducted ahead of the Independence Day celebrations.

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Publication : Aval News

Date : August 7, 2022

Journalist:

<https://avalnews.in/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gu/>

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Publication : The Chhattisgarh

Date : August 7, 2022

Journalist:

<http://www.thechhattisgarh.com/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gun-salute/>

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Publication : News Islands

Date : August 7, 2022

Journalist:

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Publication : Sedi News

Date : August 7, 2022

Journalist:

<https://sedinews.com/a-howitzer-developed-by-drdo-to-be-part-of-this-i-day-21-gun-salute-sedi-news/>

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Headline: A howitzer developed by DRDO as part of this I-Day, 21-gun salute

Publication : Tazaa News

Date : August 7, 2022

Journalist:

<https://tazaanews.com/a-howitzer-developed-by-drdo-as-part-of-this-i-day-21-gun-salute-tazaa-news/>

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Publication : Abbo News

Date : August 7, 2022

Journalist:

<https://abbonews.com/this-i-day-howitzer-developed-by-drdo-to-be-part-of-the-21-gun-salute-abbo-news/>

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Headline: THIS I-DAY, HOWITZER DEVELOPED BY DRDO TO BE PART OF 21-GUN SALUTE

Publication : Post of Asia

Date : August 7, 2022

Journalist:

<https://postofasia.com/this-i-day-howitzer-developed-by-drdo-to-be-part-of-21-gun-salute/>

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Headline: This I-Day, howitzer developed by DRDO to be part of the 21-gun salute

Publication : Harpia News

Date : August 7, 2022

Journalist:

<https://harpianews.com/this-i-day-howitzer-developed-by-drdo-to-be-part-of-21-gun-salute/>

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Headline: DRDO has developed ATAGS that takes a part of 21 gun salute on Independence Day 2022

Publication : My Daily News

Date : August 7, 2022

Journalist:

[https://mydailymails.in/drdo-developed-atags2022/](https://mydailymails.in/drdo-developed-atags-2022/)

Defense research and development organization (DRDO) has developed the 155mm/52 caliber advanced towed artillery gun system (ATAGS). The advanced towed artillery gun developed by two industries partner named TATA advanced system Ltd and **Bharat Forge** Ltd. It will be the first time in history that has been carried out by the World War II vintage 25 pounder guns. The two ATAGS Guns will be a part of 7, 25-pounder guns that go off in a closely simultaneously action with the unfurling of the national flag and anthem from the first gunfire to the last.

All the seven artillery guns fire three rounds each but this time, there will be two rounds fire decided. And this thing does by two ATAGS Guns.

The 21-gun salute would be carried out by blank rounds in ammunition which are provided by the Ordnance Factory Board. Army Headquarters is planning to phase out this World War 2 vintage 25-pounder gun with a 105mm Indian Ordnance cannon due to the antiquated nature of this gun and is working to develop a blank round that delivers the correct decibel of sound.

Headline: This I-Day, howitzer developed by DRDO to be part of the 21-gun salute

Publication : Colors of India

Date : August 7, 2022

Journalist:

<https://colorsofindia.media/world/india/this-i-day-howitzer-developed-by-drdo-to-be-a-part-of-21-gun-salute/>

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**Headline: For the first time in India, the Tricolour was hoisted amid a 21-gun salute by Made-In-India Howitzer gun, ATAGS: All you need to know**

**Publication : Op India**

**Date : August 15, 2022**

**Journalist:**

<https://www.opindia.com/2022/08/explainer-made-in-india-howitzer-gun-used-21-gun-salute-76-independence-day/>

In a first, the hoisting of the Indian tricolour at Red Fort by Prime Minister Narendra Modi was accompanied by a 21-gun-salute by two howitzer guns, which were made under the 'Make-in-India' initiative.

The development coincides with the Diamond Jubilee of India's Independence. The guns were designed by a team of scientists and artillery officers led by the Armament Research and Development Establishment (ARDE) of the Defence Research and Development Organisation (DRDO).

Until last year, the ceremonial 21-gun-salute was executed using 7 vintage '25 pounder British guns.' However, on the occasion of India's 76th Independence Day, two homegrown howitzer guns were used alongside the 25-Pounders.

Also called the 'Advanced Towed Artillery Gun System' (ATAGS) prototype, the indigenous howitzer is reportedly the longest-range cannon in the world. It must be mentioned that the term 'howitzer' is used to describe long-range artillery guns.

While speaking about the matter, Sangam Sinha, DG (Resource & Management) of DRDO stated, "On the occasion of the elixir of freedom, a folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km."

He further emphasised, "The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army."

The project began in 2013, with an aim to replace obsolete guns and induct 155mm artillery guns. For this purpose, DRDO joined hands with two private companies, namely, Tata Advanced Systems Limited and **Bharat Forge** Limited, for developing the howitzer guns.

Besides the Armament Research and Development Establishment (ARDE), Instruments Research and Development Establishment, Proof and Experimental Establishment, Centre for Artificial Intelligence and Robotics, Defence Electronics Applications Laboratory and Vehicle Research and Development Establishment of the DRDO were also part of the development process.

Indian Defence Secretary Dr Ajay Kumar informed, "The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes."

The key features of the howitzer gun include advanced communication system, automatic command and control system, auxiliary power mode, high mobility and quick deployability. It also fires the Bimodular charge system in Zone 7, which sets it apart from other ATAGS prototype.

The indigenous howitzer gun works easily with C4I systems and can aid in fire planning, technical fire control, deployment management, and the Indian army's operational logistics management. It has been found effective in extreme weather conditions.

The major milestone in its development was achieved in July 2016 during the proof-firing of the howitzer gun in Balasore. In the following year, the ATAGS prototype achieved the target range of 48 km at the Pokhran Field Firing Range.

“During its September 2017 test at Pokhran, the maximum ranges of 38.5 km and 48 km, with boat tail and extended range full bore types of projectiles, were achieved. This, the DRDO officials say, are at least 20% more than ranges achieved by any contemporary gun system,” reported Indian Express.

It further added, “During the same trials, a minimum range of 4.7 km was achieved from the systems meeting the critical parameter of minimum range at high angle.” The prototype was also subject to several firing sessions, prior to the Independence Day celebrations.

It has undergone trials in the month of April and under current evaluation of the Directorate General of Quality Assurance (DGQA). The agency is responsible for the quality assurance of arms, ammunition, and equipment supplied to the Indian Armed Forces.

The development of the Advanced Towed Artillery Gun System by DRDO and Howitzer Dhanush for Advanced Weapons and Equipment India by now-defunct Ordnance Factory Board is set to modernise the Indian army.

Headline: In A First, Made-In-India ATAGS Used For Ceremonial Gun Salute On Independence Day

Publication : India Times

Date : August 15, 2022

Journalist:

<https://www.indiatimes.com/news/india/made-in-india-atags-used-for-ceremonial-gun-salute-on-independence-day-577233.html>

As India celebrates 75 years of Independence, for the first time in history, a made-in-India gun was used for the ceremonial 21-shot salute to the national flag on Monday.

The Advanced Towed Artillery Gun (ATAG), designed by the Defence Research and Development Organisation (DRDO) was used for the 21-gun salute during the Independence Day ceremony at the Red Fort in Delhi, where Prime Minister Narendra Modi hoisted the national flag.

The indigenous howitzer gun was used alongside the traditional British-origin '25 Pounders' artillery guns.

So far only British-made guns were used for the ceremonial salute.

"The sound that we always wanted to hear, we are hearing it after 75 years. It is after 75 years that the tricolour has got the ceremonial salute at the Red Fort for the first time from a made-in-India gun," Prime Minister Narendra Modi said.

He said all Indians will get inspired and feel empowered on hearing this made-in-India gun roar.

Developed by DRDO

The ATAG was developed by a team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers.

"On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km," Sangam Sinha, DG (R&M), DRDO said.

"The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

ATAGS project

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

Why ATAGS is special

ATAGS is a 155mm calibre Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. ATAGS is a world-class system that fires the Bimodular charge system in Zone 7. No other Gun in the world is known to have that capability yet.

ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation. This gun system is designed to provide one of the best accuracy and

consistency in gun systems compared to other gun systems of the same calibre in the world. ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialised Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: Where did the 21-gun salute come from?

Publication : DailyO

Date : August 15, 2022

Journalist:

<https://www.dailyo.in/amp/news/where-did-the-21-gun-salute-come-from-36945>

Every year during Independence and Republic Day, the Indian Tricolour is accorded a 21-gun salute. This year is special since it is the first time that the gun salute will feature an indigenous howitzer, the Advanced Towed Artillery Gun System (ATAGS), alongside British Artillery Guns.

ATAGS is developed by the Armament and Combat Engineering (ACE), a part of the Defence Research and Development Organisation (DRDO) in Pune. ATAGS is a home-grown 155 mm x 52 calibre howitzer gun that will be used to give the 21-gun salute.

The ATAGS project was started in 2013 by ACE in order to replace the older guns in service in the Army with modern artillery guns. It collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun.

What is a 21-gun salute? The 21-gun salute is used worldwide and is one of the highest honours given to any individual or entity. India has adopted the heritage of the 21-gun salute from the British. In fact, all the Commonwealth nations adopted this tradition from the British Empire.

During the British Raj, India developed a formal hierarchical system of gun salutes. Before it gained independence, the hierarchy of salutes within British India stood as follows:

In India, out of the eight guns that are generally deployed for the salute, seven fire three rounds each. This year, some ATAGS guns will be part of the battery that will fire, along with some 25-pounders, or 'Ordnance Quick Fire 25 Pounder', a major British field gun and howitzer used during the Second World War, also the standard artillery gun which is used by India during this salute.

Evolution: Cannon salutes originated in the 14th century with the advent of firearms and cannons. As these early devices contained only one projectile, discharging them once rendered them ineffective, hence the 'all at once' firing tradition was practised.

In the early days, warships fired seven-gun salutes. Why the number seven was selected has been a debate, but people believe it was chosen because of its astrological and Biblical significance as a sign of peace offering to the enemy.

The British navy ships and coastal defence used to meet and greet by firing in this order to send the message that "the port lacks any hostile intent and welcomes the ship".

Over time, as the quality of gunpowder improved, each side fired a total of 21 shots. This tradition was later adopted by the other services as well.

How did the 21-gun salute come to India? There is no doubt that the British brought this tradition with them to India. As mentioned in the above table, the number of gun salutes represented the hierarchy of the post.

Right now, receiving a 21-gun salute is the highest honour, which is also the international standard, and it can be received by the President of India. She/He is honoured with the 21-gun salute on several occasions. Every new president is honoured with this salute after their swearing-in ceremony. During Independence and Republic Day, the Indian National Flag and the President are both honoured with a 21-gun salute.



Headline: Independence Day 2022: Made-in-India Gun ATAGS Used First Time For Salute At Red Fort

Publication : India Ahead News

Date : August 15, 2022

Journalist:

<https://indiaaheadnews.com/india/independence-day-2022-made-in-india-gun-atags-used-first-time-for-ceremonial-salute-at-red-fort-230578/>

A made-in-India gun was used for the first time in 75 years for the ceremonial 21-shot salute to the tricolour at the historic Red Fort on Independence Day. So far, British guns have been used for the ceremonial salute. Also, for the first time, MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

“The sound that we always wanted to hear, we are hearing it after 75 years. It is after 75 years that the tricolour has got the ceremonial salute at the Red Fort for the first time from a made-in-India gun,” Prime Minister Narendra Modi said.

He said all Indians will get inspired and feel empowered on hearing this made-in-India gun roar. The indigenous howitzer gun that was used for the ceremonial salute on Monday has been designed by the Centre-run Defence Research and Development Organisation (DRDO).

For the first time in history, the Advanced Towed Artillery Gun System (ATAGS), a prototype developed under the government’s Make In India concept, fired two rounds from the Red Fort during practice firing.

The firing took place on 2nd August 2022, as part of their practice firing, alongside the Ceremonial 25 Pounder Guns. These practice firings which constitute the famous 21 Gun salute were part of rehearsals for Independence Day celebrations 2022.

The DRDO team of Armament Research and Development Establishment (ARDE) led by a serving Lieutenant Colonel was responsible for getting these firing practices conducted.

ATAGS has already proved its mettle in the recently conducted summer trials at Pokhran in May 2022 and are currently undergoing DGQA evaluation.

The project started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. DRDO laboratory Armament Research and Development Establishment (ARDE) has partnered with **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS, the 155mm caliber Gun has a firing range of 48 kms. With advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode, the gun is a world class system which fires in Bi-modular charge system in Zone 7. It is noteworthy that no other Gun in the world is known to have that capability yet.

According to the information received from highly placed DRDO officials, the gun is designed to provide one of the best accuracy and consistency in gun systems around the world.

The specialised Gun System is compatible with C3I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management and operational logistics management of the Indian Army.

In his speech, Prime Minister Modi also commended the armed forces personnel for adopting his vision of Atmanirbhar Bharat (self-reliant India) and taking steps towards realising it.

“I want to salute the soldiers of this country from my heart. The manner in which my vision of Atmanirbhar Bharat has been collectively adopted by the soldiers and officers of the armed forces, I can not salute them enough.”

It is not a small resolution when a soldier decided to list 300 items that it will not import from other countries, Modi said. He was referring to the Defence Ministry’s decision to issue multiple “positive indigenisation lists” that lists 300 plus items which will not be imported after a certain period of time.

“I can see the seeds of Atmanirbhar Bharat in that resolution that will lead to the birth of a big tree,” Modi added.



Headline: IATAGS Tow Howitzer to be Part of 21-gun Salute on Indian Independence Day  
Indigenously developed ATAGS to fire on 21-Gun Salute on Independence Day

Publication : Military Leak

Date : August 15, 2022

Journalist:

<https://militaryleak.com/2022/08/13/atags-tow-howitzer-to-be-part-of-21-gun-salute-on-indian-independence-day/>

In a first, an indigenous artillery gun, the Advanced Towed Artillery Gun System (ATAGS), will be used along with the usual 25-Pounders for the 21-gun salute during the Independence Day celebrations at Red Fort this year. The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes. TheHindu reported that since Independence, the ceremonial 21-gun salute is accorded by seven vintage Quick Fire 25 Pounder guns which fire blank rounds as the National Anthem is played after the hoisting of the National Flag by the Prime Minister. This year, in addition to the 25-Pounders, as they are popularly known, one ATAGS will be used.

The Advanced Towed Artillery Gun System (ATAGS) is a towed 155 mm/52 calibre howitzer that is being developed for the Indian Army by the Defence Research and Development Organisation (DRDO) and manufactured by **Bharat Forge** and Tata Power SED. The Advanced Towed Artillery Gun System (ATAGS) project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. DRDO laboratory Armament Research and Development Establishment (ARDE) partnered with private players **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB) for this purpose. It was part of the Development cum Production Partner programme (DCPP) of DRDO. It was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The gun consists of a barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunition with a firing range of 48 km. It has an all-electric drive to ensure reliability and minimum maintenance over a long period of time. It has advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. The gun is two tons lighter than guns in the same category and is designed to provide better accuracy and range and is capable of firing five successive rounds in short duration. It is compatible with C3I systems like Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army.

Headline: Made in India Howitzer: पहली बार दागी गई स्वदेशी तोप, सलामी से निखरा आजादी का रंग, जानिए ATAGS की ताकत

Publication : Editorji

Date : August 13, 2022

Journalist:

<https://www.editorji.com/amp/hindi/india-news/indigenous-artillery-fired-for-the-first-time-know-the-power-of-atags-1660553314724>

लाल किले की प्राचीर से पीएम मोदी ने तिरंगा फहराया (PM Modi Hoisted the Tricolor) तो पूरा इलाका भारत में बनी इन तोपों के शोर से गूँज उठा. आजाद भारत के इतिहास में पहली बार मेड इन इंडिया तोप (Made In India Cannon) से सलामी दी गई. इस तोप का नाम है एडवांस्ड टोड आर्टिलरी गन सिस्टम (Advanced Towed Artillery Gun System- ATAGS). इससे निकले हर गोले की गूँज आत्मनिर्भर भारत की कहानी को ब्या करती है. स्वतंत्रता दिवस समारोह के दौरान पारंपरिक 21 तोपों की सलामी के दौरान पहली बार स्वदेश विकसित होवित्जर तोप का इस्तेमाल किया गया. इसकी मारक क्षमता 48 किलोमीटर है.

क्या है खासियत ?

इन आधुनिक तोपों को DRDO की आर्मामेंट रिसर्च एंड डेवलपमेंट इस्टैबलिशमेंट (ARDE), टाटा एडवांस्ड सिस्टम्स लिमिटेड (Tata Advanced Systems Limited), महिंद्रा डिफेंस नेवल सिस्टम (Mahindra Defense Naval System) और भारत फोर्ज लिमिटेड (Bharat Forge Limited) ने मिलकर बनाया है. इससे 155 MM के गोले दागे जा सकते हैं. हाल ही में राजस्थान के पोकरण फील्ड फायरिंग रेंज (Pokaran Field Firing Range) में इसका सफल परीक्षण किया गया था. पाकिस्तान की सीमा हो या फिर चीन की सीमा के पास लद्दाख. इस तोप को किसी भी स्थान पर तैनात किया जा सकता है. क्योंकि ये खास तोप माइंस 30 से लेकर 75 डिग्री तापमान तक सटीक फायर कर सकती है.

Headline: ATAGS Howitzer Gun: First time in independent India, Tiranga was hoisted amid indigenous guns' salute

Publication : TFI Post

Date : August 13, 2022

Journalist:

<https://tfipost.com/2022/08/howitzer-gun-first-time-in-independent-india-tiranga-was-hoisted-amid-indigenous-guns-salute/>

India gained its independence back in 1947, however, it took 75 years to break the clutches of slavery. The previous governments till recent times focused on what the British had left and no heed was paid towards India's indigenous defence sector. However, this is no longer the norm as PM Modi's arrival has changed the course of India and the Independence day celebration stands deposition for the same.

Howitzer Gun makes its debut

India celebrated 75 years of Independence with the grand 'Azadi ka Amrit Mahotsav', Prime Minister of India Narendra Modi as usual hoisted the flag at the Red Fort. However, the event wasn't planned as per tradition, the world saw a change in the ceremony as a testament to India's growing capabilities.

Yesterday, as India celebrated its 76th Independence Day and for the first time in independent India, the Tiranga was hoisted amid a 21-gun salute by indigenous Howitzer gun, Advanced Towed Artillery Gun System (ATAGS) prototype. Until last year, 7 vintage '25 Pounder' British guns were used for the 21-gun salute. But yesterday, two howitzer guns were used alongside the '25 pounders'.

What is ATAGS?

The indigenous Howitzer gun, ATAGS gave the ceremonial 21-Gun salute along with the traditional British guns. This indigenous Howitzer Gun has been designed and developed by the Defence Research and Development Organisation (DRDO) with its Pune-based facility Armament Research and Development Establishment being the nodal agency. It is produced by two firms **Bharat Forge** and TATA Advanced Systems Limited. This gun is the longest-range cannon in the world.

ATAGS is a 155mm calibre Gun system with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. The gun was customized, as its technical specifications were tweaked for the ceremony.

Howitzer Gun: A symbol of India's growing self-reliance

The indigenous Howitzer Gun that was fired among the British ones emerged as the symbol of India's growing self-reliance. This was also acknowledged by the PM in his speech.

PM during his I-Day speech said, "My dear countrymen, for the first time, that is after 75 years, made-in-India Howitzer Gun, Advanced Towed Artillery Gun System (ATAGS) prototype, was used for the ceremonial gun salute,..."  
PM Modi further added, "After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Aatmanirbhar Bharat (self-reliant India),..."

This also showcases India's strength in developing defence products indigenously and how India under PM Modi is cutting down its dependence on other nations. To note, the import of 310 defence products has been banned and India is aggressively progressing towards becoming self-reliant and an exporter of defence products. The \$375 million export of the BrahMos supersonic cruise missiles to the Philippines stands as an evidence.

India is inking defence deals with countries like Spain, Philippines, Vietnam, Malaysia among others based on its manufacturing capabilities developed due to Aatmanirbhar Abhiyaan. The home grown product that has gained the attention of whole world is Tejas. Even countries like US and Australia are also lined up to buy Tejas and all this has happened with PM Modi's push for Make In India initiative. With self reliance (Aatmanirbharta), India is also turning into an export hub, and this will play a crucial role in India's emergence as a global superpower.

PM Modi made mention of 'Panch Pran' (5 pledges) during his speech and the use of indigenous howitzer is the example of the second one 'remove any trace of colonial mindset' and with these 5 Prans India will progress on the world stage.

Headline: PM Modi Hails 'Atmanirbhar' Drive As Indigenous Howitzer Debuts

Publication : News Smashers

Date : August 13, 2022

Journalist:

<https://newssmashers.com/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts-india-news/>

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said. Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.

Headline: Indigenous artillery gun 'Atag' was also included in the salute of 21 guns, this happened for the first time

Publication : Mamedia24

Date : August 15, 2022

Journalist:

<https://mamedia24.com/indigenous-artillery-gun-atag-was-also-included-in-the-salute-of-21-guns-this-happened-for-the-first-time/>

During the Independence Day celebrations at the Red Fort, a 21-gun salute was given today with 07 British Pounder-Guns and an indigenous 'Atag' Gun. For the first time after 75 years of independence, an indigenous artillery gun was also included in the salute of 21 guns. Till now, a 21-gun salute was given from the British pounder-gun of the Second World War.

The Indian Army has also tweeted a video of the 21-gun salute. The video shows firing from a 07 pounder gun in a moat in the premises of the Red Fort. Along with this, firing is also visible from the Atag gun prepared by DRDO in collaboration with Tata and Bharat-Forge. Gunners of 871 Field Regiment of the Indian Army gave this salute on this special occasion. Let us tell you that for the first time this year, the indigenous artillery gun, 'Atag', has also been included in the 21-gun salute to Prime Minister Modi at the Independence Day celebrations at the Red Fort.

Who designed the indigenous Atag gun?

Atag i.e. Advanced Towed Artillery Gun System (TAGS or Atag System) has been prepared by the Government Defense Undertaking, Defense Research and Development Organization (DRDO) in collaboration with Tata and **Bharat Forge** companies. This TAGS gun of 155 x 52 caliber has a range of about 48 km and is soon going to be part of the artillery of the Indian Army. In the year 2018, the Defense Ministry had approved the purchase of 150 Atag guns for the Army. According to the Ministry of Defense, the fire from the real gun in the Red Fort is 'ceremonial' only. For this, the sound of the cannon and the shell are 'customised'.

Headline: Made-in-India gun used in ceremonial salute on Independence Day

Publication : The Local Report

Date : August 15, 2022

Journalist:

<https://www.thelocalreport.in/made-in-india-gun-used-in-ceremonial-salute-on-independence-day-5-points/>

The ATAG gun was used for the first time on Independence Day 2022.

The first ever made in India howitzer was part of a 21-gun salute during the Independence Day celebrations at the Red Fort in New Delhi on Monday. The Advanced Todd Artillery Gun (ATG) was used with British-made 25-pounders.

Here are five facts about ATAG:

Todd Artillery Gun is developed by Defense Research and Development Organization (DRDO) and manufactured by two firms **Bharat Forge** and Tata Advanced Systems Limited.

According to a Defense Ministry release, the armament system of ATAGS mainly consists of barrel, breech mechanism, muzzle brake and recoil mechanism, used by the Indian Army to fire 155 mm caliber ammunition with long range, accuracy and precision. Provides more fire power.

The ATAG is configured with an all electric drive to ensure maintenance free and reliable operation over a long period of time. It will have a firing range of 40 kms with advanced features like high maneuverability, quick deployment, auxiliary power mode, advanced communication system, automatic command and control system with capability to fire in direct fire mode at night.

DRDO has undertaken the development of new generation guns as a part of the Artillery Modernization Program of the Indian Army. The Ordnance Research and Development Establishment (ARDE) at Pune is DRDO's nodal laboratory for the design and development of ATAGs along with other laboratories of the defense body.

The gun is expected to be the mainstay of the Indian Army's tower howitzer fleet and could also be used to replace the Bofors howitzer.

Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : Real Time India

Date : August 15, 2022

Journalist:

<https://realtimeindia.in/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts-india-news/>

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said. Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.



Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : Pehal News

Date : August 15, 2022

Journalist:

<https://www.pehalnews.in/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts-india-news-times-of-india/2322936/>

With an indigenously-developed howitzer gun booming for the primary time within the ceremonial 21-gun salute throughout the Independence Day ceremony, PM Modi on Monday saluted the continued drive by the armed forces in direction of 'Atmanirbhar Bharat' in defence manufacturing and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM stated. The house-grown 155mm/ 52 calibre superior towed artillery gun methods (ATAGS), developed by DRDO with manufacturing companions Tata Advanced Systems and **Bharat Forge**, was used together with the British-origin weapons historically fired until now for the ceremonial salute on the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM stated. Modi additionally referred to the three "positive indigenisation" lists notified by the defence ministry, beneath which the imports of 310 defence merchandise have been progressively banned, as effectively as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this yr. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he stated.

Headline: Independence Day 2022: Made In India  
Cannon Salute For The First Time At Red Fort

Publication : National Bulletin

Date : August 15, 2022

Journalist:

<https://thenationalbulletin.in/independence-day-2022-made-in-india-cannon-salute-for-the-first-time-at-red-fort>

India is celebrating its 75th Independence Day. At the same time, Prime Minister Narendra Modi hoisted the tricolor from the Red Fort for the 9th consecutive time. In his address to the nation, PM Modi said that self-reliant India, it becomes the responsibility of every citizen, of every government, of every unit of society. This is not a government agenda. This is a mass movement of the society, which we have to take forward.

PM Modi said that today when we heard this voice, for which the ears yearned. He said that after 75 years, the Made in India cannon has done the task of saluting the flag from the Red Fort. PM Modi said that we should be proud of our heritage. When we will connect with our earth. Only then will you fly high. When we fly high, we will be able to give solutions to the world too.

On the occasion of Independence Day, on 15 August 2022, the first indigenous Howitzer artillery salute was given from the Red Fort. These guns are jointly made by DRDO's Armament Research and Development Establishment (ARDE), Tata Advanced Systems Limited, Mahindra Defense Naval System and **Bharat Forge** Limited. The name of this howitzer gun is Advanced Towed Artillery Gun (ATAGS). It is of 155 mm/52 caliber.

The Indian Army currently has 7 of this 155 mm gun. Its first test was done in the year 2016. 40 guns have been ordered. Apart from this, 150 more cannons will be made. It requires 6 to 8 people to run it. It fires 3 rounds in 15 seconds in burst mode, 15 rounds in 3 minutes in intense and 60 rounds in 60 minutes. Its firing range is 48 km. But efforts are being made to increase it to 52.

Headline: Indigenously developed artillery gun to fire 21-gun salute on I-Day

Publication : Business Journal

Date : August 15, 2022

Journalist:

<https://business-journal.in/top-stories/indigenously-developed-artillery-gun-to-fire-21-gun-salute-on-i-day-business-journal/>

For the first time, the thunderous 21-gun salute that is fired during the salute to the tricolour at Red Fort on Independence Day will be fired by indigenously developed guns – the Advanced Towed Artillery Gun System (ATAGS), developed by the Defence Research & Development Organisation (DRDO) in collaboration with Tata Aerospace & Defence and with Bharat Forge Ltd.

“The moment is significant since this year marks 75 years of India’s independence and also the first time an indigenously developed gun will be fired on the occasion,” said an announcement from Bharat Forge on Saturday.

The gun salute is a dramatic, centuries-old military salute or mark of respect, that involves firing guns or artillery. The military unit or warship that fires its guns effectively demonstrates to the person or institution being saluted that it is disarming itself and rendering itself harmless since, at least in earlier times, it took a significant amount of time to reload the guns.

The tradition of gun salutes is as old as the invention of gunpowder and guns. Great Britain created a formal ranking of individuals and states, specifying who was entitled to how many gunshots. States, such as Hyderabad and Jammu & Kashmir, that were entitled to gun salutes were known as ‘salute states’.

When India became a sovereign country in 1947, it was, like other sovereign countries, entitled to a 21-gun salute. Since then, on state occasions such as Republic Day and Independence Day, and during the visits of other countries’ heads of state, the playing of the national anthem is accompanied by the firing of a 21-gun salute.

To fire the salute precisely, there is a special ceremonial battery from 2281 Field Regiment stationed in Delhi. The firing of 21 rounds at exactly the same interval is a task of great precision and the ceremonial battery trains to get it exactly correct. The ATAGS is an indigenous 155 mm x 52 caliber howitzer gun. The howitzer, which has been developed under the Indian Army’s artillery modernisation programme has, during its test firing programme, fired a shot to a world record beating range of 48 km.

The ATAGS has a unique all-electric drive, as well as the unique ability to fire six-round bursts with propellant up to Zone 7, generating pressures in the gun chamber that could blow up lesser barrels.

“The ultra-modern towed gun is manufactured with cutting-edge technology, with shoot and scoot capability and can fire a complete range of NATO Standard and in-service ammunition,” said Bharat Forge. The gun also boasts of high mobility in desert and mountainous terrains.

Commenting on the occasion, Defence Secretary Ajay Kumar said, “The initiative to use this indigenously developed gun will stand as a testament to India’s growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes.”



Headline: PM salutes Defence forces after first time 'Made-In-India' gun used in ceremonial salute at Red Fort

Publication : The Real Kashmir

Date : August 15, 2022

Journalist:

<https://therealkashmir.com/pm-salutes-defence-forces-after-first-time-made-in-india-gun-used-in-ceremonial-salute-at-red-fort/>

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the AatmaNirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun. "After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Atmanirbhar Bharat, I salute them for this," PM Modi said.

"For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward," the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute today has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins.

"I also salute the children who are saying No to imported toys. When a 5-year-old says 'No videshi', Aatmanirbhar Bharat runs through his veins," he added.

Eulogising India's journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector.

Headline: On Independence Day, Made-In-India Gun Used In Ceremonial Salute

Publication : Divya Bharat

Date : August 15, 2022

Journalist:

<https://divya-bharat.com/on-independence-day-made-in-india-gun-used-in-ceremonial-salute-5-points/>

The ATAG gun was used for the first time on Independence Day 2022.

For the first time, a made-in-India howitzer gun was part of the 21-gun salute during the Independence Day celebrations at Red Fort in New Delhi on Monday. The Advanced Towed Artillery Gun (ATAG) was used along with British-made 25-Pounders.

Here are five facts about ATAG:

The towed artillery gun has been developed by Defence Research and Development Organisation (DRDO) and produced by two firms **Bharat Forge** and Tata Advanced Systems Limited.

According to Defence Ministry's release, the armament system of ATAGS mainly comprise barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunitions held by Indian Army with a longer range, accuracy and precision and provides greater fire power.

ATAG is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It will have a firing range of 40 kilometres with advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in direct fire mode.

The DRDO has undertaken the development of the new-generation guns as a part of artillery modernisation programme of Indian Army. Armament Research and Development Establishment (ARDE) in Pune is the nodal laboratory of DRDO for design and development of ATAG along with other laboratories of the defence body.

The gun is expected to be the mainstay of the Indian Army tower howitzer fleet and may also be used to replace the Bofors howitzers.

Headline: In A First, Made-In-India ATAGS Used For Ceremonial Gun Salute On Independence Day

Publication : Core Tech Sai

Date : August 15, 2022

Journalist:

<https://coretechsai.com/in-a-first-made-in-india-atags-used-for-ceremonial-gun-salute-on-independence-day/>

As India celebrates 75 years of Independence, for the primary time in historical past, a made-in-India gun was used for the ceremonial 21-shot salute to the nationwide flag on Monday.

The Superior Towed Artillery Gun (ATAG), designed by the Defence Analysis and Growth Organisation (DRDO) was used for the 21-gun salute throughout the Independence Day ceremony on the Crimson Fort in Delhi, the place Prime Minister Narendra Modi hoisted the nationwide flag.

Made in India gun used for the primary time

The indigenous howitzer gun was used alongside the normal British-origin '25 Pounders' artillery weapons.

Up to now solely British-made weapons have been used for the ceremonial salute.

"The sound that we at all times needed to listen to, we're listening to it after 75 years. It's after 75 years that the tricolour has received the ceremonial salute on the Crimson Fort for the primary time from a made-in-India gun," Prime Minister Narendra Modi stated.

He stated all Indians will get impressed and really feel empowered on listening to this made-in-India gun roar.

Developed by DRDO

The ATAG was developed by a staff of DRDO's Armament Analysis and Growth Institution (ARDE), Pune led by Scientists and Artillery Officers.

"On the event of the elixir of freedom, folding cannon is a superb present for India. That is the longest-range cannon on this planet and is able to hitting targets from 45 to 48 km," Sangam Sinha, DG (R&M), DRDO stated.

"The most important factor is that for the primary time it's Made in India by **Bharat Forge**. It's an indigenous artillery gun getting used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is at the moment on the Crimson Fort. This will probably be a giant help to the Indian Military," he added.

ATAGS undertaking

The ATAGS undertaking was began in 2013 by DRDO to switch older weapons in service within the Indian Military with a contemporary 155mm artillery gun. ARDE partnered with two personal companies **Bharat Forge** Restricted and Tata Superior Methods Restricted for the manufacturing of this specialised gun.

Why ATAGS is particular

ATAGS is a 155mm calibre Gun System with a firing vary of 48 km and superior options like excessive mobility, fast deployability, auxiliary energy mode, superior communication system, automated command and management system with night time functionality in direct-fire mode. ATAGS is a world-

class system that fires the Bimodular cost system in Zone 7. No different Gun on this planet is thought to have that functionality but.

ATAGS has already proved its mettle throughout the just lately performed summer season trials and is at the moment present process DGQA analysis. This gun system is designed to offer the most effective accuracy and consistency in gun programs in comparison with different gun programs of the identical calibre on this planet. ATAGS has been confirmed in excessive climate circumstances and has gone by means of rigorous trials and evaluations.

This specialised Gun System is suitable with C4I programs just like the Artillery Fight Command and Management System (ACCCS) referred to as Shakti for technical hearth management, hearth planning, deployment administration, and operational logistics administration of the Indian Military.



Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : Live News Vault

Date : August 15, 2022

Journalist:

<https://livenewsvault.com/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts-india-information/>

With an indigenously-developed howitzer gun booming for the primary time within the ceremonial 21-gun salute in the course of the Independence Day ceremony, PM Modi on Monday saluted the continuing drive by the armed forces in the direction of 'Atmanirbhar Bharat' in defence manufacturing and acquisitions. "For the primary time after 75 years, a Made-in-India cannon has saluted the tricolour from the Purple Fort. Will there be any Indian who won't be impressed by this sound?" the PM mentioned. The house-grown 155mm/ 52 calibre superior towed artillery gun methods (ATAGS), developed by DRDO with manufacturing companions Tata Superior Methods and **Bharat Forge**, was used together with the British-origin weapons historically fired until now for the ceremonial salute on the Purple Fort.

"Right now I wish to congratulate the troopers of my nation from my coronary heart. I salute the best way Military jawans have shouldered this accountability of self-reliance in an organised approach and with braveness. The soldier carries demise in his palms. He stands firmly within the center when there isn't a hole between demise and life," the PM mentioned. Modi additionally referred to the three "constructive indigenisation" lists notified by the defence ministry, beneath which the imports of 310 defence merchandise have been progressively banned, in addition to the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this yr. "The decision of our nation isn't small when the armed forces make an inventory and resolve to not import over 300 defence merchandise. On this decision, I can see the seed of a brilliant way forward for 'Atmanirbhar Bharat' that may convert this dream right into a banyan tree. Salute! Salute! Salute to our navy management," he mentioned.

Headline: What is the indigenous Howitzer ATAGS used in the 21-gun salute on Independence Day?

Publication : DailyIndia.net

Date : August 15, 2022

Journalist:

<https://dailyindia.net/what-is-the-indigenous-howitzer-atags-used-in-the-21-gun-salute-on-independence-day/88726/>

The Indigenous Howitzer: It is for the first time in 75 years after independence that made-in-India artillery guns were used in the 21-gun salute given to the tricolor. For the first time, the indigenous Howitzer Gun, ATAG, became part of the 21-Gun Salute during the Independence Day celebrations at the Red Fort on Monday. It is developed by DRDO. During this ceremony, the Advanced Towed Artillery Gun System (ATAGS) was used with 25 Pounders artillery guns of traditional British origin.

During this celebration, Prime Minister Narendra Modi in his Independence Day speech, while talking on self-reliant India (Atmanirbhar Bharat), also mentioned the gun. PM Modi said, "Indians will be inspired and empowered by this sound and that is why today I want to thank our armed forces for carrying the responsibility of self-reliance on their shoulders in an organized manner."

#### 21 gun salute tradition

Every year on August 15, after the Prime Minister hoists the tricolor at the Red Fort, the military band plays the national anthem, while on the other hand the Artillery Regiment gives a festive salute of 21 volley guns. A volley gun refers to a gun that has multiple single-shot barrels that fire rounds simultaneously in a volley fire.

The tradition of cannon salutes dates back to Western navies (where ships coming to and from ports used to fire guns in a particular way to make it clear that they had no intention of war. This tradition began to be used as a way of paying respects at official receptions.

India inherited this tradition from the British rulers. In British rule, 101 volley, 31 volley and 21 volley gun salutes were given according to rank and status. Similarly, depending on the position and status, in India, on Republic Day, Independence Day and other occasions, as well as during the swearing-in ceremony of the President, a gun salute is given.

The tradition of the 21-gun salute given in these years is based on the British howitzers of the World War Era. Empty shells are fired in it. It is also known as the Ordnance Quick Fire 25 Pounder or simply '25 Pounder'.

#### ATAGS fired shells

ATAGC itself is called howitzer which are small artillery. In the Second World War, when there was a problem in carrying the big guns around, a small cannon was made and this gun was known as the Howitzer Gun. This year two advanced Todd artillery gun systems—the ATAGS howitzers—join the battery, which fired with another 25 pounders. Howitzers, like other artillery equipment, are usually arranged in a group called a battery.

As its ATAGS name suggests, it is a truck-drawn cannon. This gun is indigenous and its capability is 155 \* 52 mm. It has been made by Defense Research and Development Organization- DRDO. In this, DRDO Pune's facility Ordnance Research and Development Establishment – ARDE is the nodal agency. A few practice firing sessions of the ATAGS were done ahead of the Independence Day celebrations. Army officials say that the induction of ATAGS in the symbolic act of the 21-gun salute is an important step in this journey and is very important towards its induction in the army.

## Who made ATAGS

The ATAGS project was initiated by DRDO in 2013 to replace the old guns in the Indian Army with modern 155 mm artillery guns. With ARDE as the nodal laboratory, other service facilities of DRDO also participated in its development. These included Defense Electronics Application Laboratory including Instruments Research and Development Establishment, Vehicle Research and Development Establishment, Proof and Experimental Establishment, Center for Artificial Intelligence and Robotics. ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Limited to manufacture this exclusive system.

Its successful test was held on July 14, 2016. When proof-firing of ATAGS was done during technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore. Subsequently, in August and September 2017, a record target range of about 48 km was achieved at the Pokhran Field Firing Range. During its testing in the year 2020, an accident occurred due to barrel burst and four workers were injured. This was followed by a successful test of ATAGS in June 2021 at an altitude of 15,000 feet.

After this, it was tested for a week from 26 April 2022 to 3 May at the Pokhran Field Firing Range. After this, many tests were done depending on the weather and the conditions of the areas. At present, the ATAGS is being evaluated by the Directorate General Quality Assurance-DGQA. The DGQA makes the final decision on it before its use in the army. DGQA is the nodal agency for quality assurance of all arms, ammunition, equipment and stores supplied to the Armed Forces.

## ATAGS feature of

Compared to Bofors cannon, ATAGS can be fired up to a distance of 48 km while Bofors cannon can be fired only up to 32 km. The 155 mm ATAGS cannon is capable of firing the longest distance in the world. It is also accurate in terms of temperature. It can fire from 30 degree to 75 degree Celsius. Its 26.44 feet long barrel can fire 5 shells every minute. The self load system in this is exactly like an automatic rifle. It has automatic loading technology and thermal sight system for targeting. It can be easily targeted even at night. It is also equipped with wireless communication.

## future role

The development process of ATAGS made by DRDO resembles that of India's advanced weapon and equipment howitzer Dhanush, made earlier by the Ordnance Factory Board. In the year 2019, the Army and the Defense Ministry gave approval for the bulk production of 114 Dhanushs. The officials are hopeful that ATAGS and Dhanush, the two flagship products under Make in India, will successfully replace the old system with artillery in the coming days.

**Headline: Independence Day 2022: Indian-made rifle ATAGS used for ceremonial salute at Red Fort**

**Publication : Achi News**

**Date : August 15, 2022**

**Journalist:**

<https://achinews.com/independence-day-2022-indian-made-rifle-atags-used-for-ceremonial-salute-at-red-fort-achi-news/>

For the first time in 75 years, an Indian-made gun was used to fire a ceremonial 21-shot salute to the tricolor at the historic Red Fort on Independence Day. Hitherto, British guns were used for ceremonial honors. Also, Mi-17 helicopters rained flowers on Red Fort for the first time during the Independence Day celebrations.

“The sound we always wanted to hear, we hear after 75 years. For the first time after 75 years at the Red Fort, the tricolor has been saluted with a gun made in India,” said Prime Minister Narendra Modi.

He said all Indians will be inspired and empowered by hearing the roar of this Made in India gun. The indigenous howitzer gun used for the ceremonial salute on Monday was designed by the Centre-run Defense Research and Development Organization (DRDO).

For the first time in history, the Advanced Excavated Artillery Gun System (ATAGS), developed under the government’s Make in India concept, fired two rounds from the Red Fort during a practice firing.

A ceremonial firing with 25 pounder guns was held on August 2, 2022 as part of their training exercise. The practice firing, which includes the famous 21-gun salute, is part of the rehearsals for the 2022 Independence Day celebrations.

A DRDO team of Ordnance Research and Development Organization (ARDE) headed by Lt. Col. was responsible for conducting these firing exercises.

ATAGS has already proven its capability in the recent summer trials conducted in Pokhran in May 2022 and is currently undergoing DGQA evaluation.

The project was initiated by DRDO in 2013 to replace the old guns in service with the Indian Army with a modern 155mm cannon. DRDO Laboratory Ordnance Research and Development Organization (ARDE) has partnered with **Bharat Forge** Ltd and Tata Advanced Systems Ltd to develop this special gun.

ATAGS, a 155 mm caliber gun with a firing range of 48 km. A night capable gun in direct-fire mode with advanced features such as high mobility, rapid deployment, auxiliACHI power system, advanced communication system, automatic command and control system, is a world-class system firing bi-modular charge system in Zone 7. Notably, no other gun in the world has that capability yet.

According to information received from DRDO officials, the gun has been designed to provide better accuracy and stability in gun systems around the world.

Special gun systems such as the Artillery Combat Command and Control System (ACCCS) known as Shakti are compatible with C3I systems for technical fire control, fire planning, deployment management and operational logistics management of the Indian Army.

In his speech, Prime Minister Modi also praised the armed forces for embracing his vision of Atmanirbar Bharat (Self-Reliance India) and taking steps to realize it.

“I want to salute the soldiers of this country from the bottom of my heart. I cannot salute the way soldiers and army officers collectively embraced my vision of Atmanirbar Bharat.

Modi said that the decision of the soldier to list 300 items that should not be imported from other countries was not a small decision. He was referring to the Defense Ministry’s decision to issue several “positive indigenization lists” that list more than 300 items that will not be imported after a certain period.

“I can see the seeds of Atmanirpar Bharat in that resolution which will lead to the birth of a big tree,” Modi added.

Headline: What is ATAGS, the indigenous howitzer featuring in I-Day 21-gun salute?

Publication : Viral Trunk

Date : August 15, 2022

Journalist:

<https://viraltrunk.com/what-is-atags-the-indigenous-howitzer-featuring-in-i-day-21-gun-salute/>

In a first, an indigenously developed howitzer gun, ATAG, will be part of the 21-gun salute during the Independence Day ceremony at the Red Fort.

Developed by the DRDO, the Advanced Towed Artillery Gun System (ATAGS) will be used alongside the traditional British-origin '25 Pounders' artillery guns.

The 21-gun salute tradition

When the National Anthem is played by the Military Band after the unfurling of the Tricolour at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

The tradition of gun salutes originates from the Western navies where guns from the ports and those from incoming ships used to be fired in a particular manner to convey that there was no belligerent intention. This tradition was carried forward as a way of paying respects or for according official welcome to the Crown, royals, military commanders and heads of states. India inherited the tradition from the British rulers who had gun salutes comprising 101 volleys, 31 volleys and 21 volleys, and so on depending on the hierarchy. In India, artillery gun salutes are fired on the Republic Day, the Independence Day and also at the time of oath taking ceremony of the President, among other occasions.

Over the years, this 21-gun salute — which are blanks — was fired by the World War era howitzers of British make known as 'Ordnance Quick Fire 25 Pounder' or just '25 Pounder'.

Inclusion of ATAGS

This year, two Advanced Towed Artillery Gun System (ATAGS) howitzers will be part of the battery that will fire along with other 25 Pounders, officials have said.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer gun developed by the Defence Research and Development Organisation (DRDO) with its Pune-based facility Armament Research and Development Establishment (ARDE) being the nodal agency.

Howitzers is an umbrella term for a category of long-range artillery guns.

Some practice firing sessions of the ATAGS have already been held in the run up to the Independence Day celebrations. Officials said that including the ATAGS in the symbolic activity of 21-gun salute is a crucial step in the journey and is significant towards its induction into the Army.

Development of the ATAGS

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155 mm artillery gun. With ARDE as the nodal laboratory, other DRDO facilities that joined the development efforts are Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment (PXE), Centre for Artificial Intelligence and Robotics (CAIR), and Defence Electronics Applications Laboratory (DEAL). The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun system.

After the several tests of the subsystems in the initial phases of development, July 2016 marked a key milestone when the proof-firing of ATAGS was conducted during the technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore.

In August and September 2017, a record target range of around 48 km was achieved at Pokhran Field Firing Range.

The system has subsequently undergone various levels of trials in different weather and terrain conditions. In 2020, the ATAGS reported a mishap during one of its test firing at Pokhran which was probed by the DRDO.

The system is currently undergoing an evaluation by the Directorate General Quality Assurance (DGQA) marking its final stage before the Army places orders for it. The DGQA is a nodal agency for the quality assurance of all arms, ammunition, equipment and stores supplied to the Armed Forces.

#### ATAGS features

The armament system of ATAGS mainly comprises barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunition held by Army with a longer range, accuracy and precision and provides greater firepower.

The ATAGS is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It has advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in the direct fire mode.

During its September 2017 test at Pokhran, the maximum ranges of 38.5 km and 48 km, with boat tail and extended range full bore types of projectiles, were achieved. This, the DRDO officials say, are at least 20% more than ranges achieved by any contemporary gun system.

During the same trials, a minimum range of 4.7 km was achieved from the systems meeting the critical parameter of minimum range at high angle.

The specialised gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Army.

#### Future role

The development process of ATAGS by the DRDO coincides with development of Howitzer Dhanush for Advanced Weapons and Equipment India of the erstwhile Ordnance Factory Board.

In 2019, the Army and the Ministry of Defence gave bulk production clearance to produce 114 Dhanush. Officials hope that the two flagship products under Make In India — ATAGS and Dhanush — will successfully replace the older systems from the artillery in coming days.

Headline: Where did the 21-gun salute come from?

Publication : Digismak

Date : August 15, 2022

Journalist:

<https://digismak.com/where-did-the-21-gun-salute-come-from/>

Every year during Independence and Republic Day, the Indian Tricolour is accorded a 21-gun salute. This year is special since it is the first time that the gun salute will feature an indigenous howitzer, the Advanced Towed Artillery Gun System (ATAGS), alongside British Artillery Guns.

ATAGS is developed by the Armament and Combat Engineering (ACE), a part of the Defence Research and Development Organisation (DRDO) in Pune. ATAGS is a home-grown 155 mm x 52 calibre howitzer gun that will be used to give the 21-gun salute.

The ATAGS project was started in 2013 by ACE in order to replace the older guns in service in the Army with modern artillery guns. It collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun.

What is a 21-gun salute? The 21-gun salute is used worldwide and is one of the highest honours given to any individual or entity. India has adopted the heritage of the 21-gun salute from the British. In fact, all the Commonwealth nations adopted this tradition from the British Empire.

During the British Raj, India developed a formal hierarchical system of gun salutes. Before it gained independence, the hierarchy of salutes within British India stood as follows:

In India, out of the eight guns that are generally deployed for the salute, seven fire three rounds each. This year, some ATAGS guns will be part of the battery that will fire, along with some 25-pounders, or 'Ordnance Quick Fire 25 Pounder', a major British field gun and howitzer used during the Second World War, also the standard artillery gun which is used by India during this salute.

Evolution: Cannon salutes originated in the 14th century with the advent of firearms and cannons. As these early devices contained only one projectile, discharging them once rendered them ineffective, hence the 'all at once' firing tradition was practised.

In the early days, warships fired seven-gun salutes. Why the number seven was selected has been a debate, but people believe it was chosen because of its astrological and Biblical significance as a sign of peace offering to the enemy.

The British navy ships and coastal defence used to meet and greet by firing in this order to send the message that "the port lacks any hostile intent and welcomes the ship".

Over time, as the quality of gunpowder improved, each side fired a total of 21 shots. This tradition was later adopted by the other services as well.

How did the 21-gun salute come to India? There is no doubt that the British brought this tradition with them to India. As mentioned in the above table, the number of gun salutes represented the hierarchy of the post.

Right now, receiving a 21-gun salute is the highest honour, which is also the international standard, and it can be received by the President of India. She/He is honoured with the 21-gun salute on several occasions. Every new president is honoured with this salute after their swearing-in ceremony. During Independence and Republic Day, the Indian National Flag and the President are both honoured with a 21-gun salute.



Headline: What is ATAGS, the local howitzer featured in the I-Day 21-gun salute?

Publication : Geo TV News

Date : August 15, 2022

Journalist:

<https://geotvnews.com/what-is-atags-the-local-howitzer-featured-in-the-i-day-21-gun-salute-gtn-news/>

For the first time, an indigenously manufactured howitzer gun, the ATAG, will be part of the 21-gun salute during the Independence Day celebrations at the Red Fort.

Developed by DRDO, the Advanced Towed Artillery Gun System (ATAGS) will be used alongside conventional British-origin '25-pounders' artillery guns.

Tradition of the 21-gun salute

When the national anthem is played by a military band after the Prime Minister unfurls the tricolor at the Red Fort, a ceremonial battery of 21 guns is fired by the artillery regiment.

The tradition of gun salutes originated in Western navies where guns were fired in a specific manner from ports and incoming ships to signal that no war was intended. The tradition was carried forward as a tribute or official welcome to the crown prince, royal families, military commanders and heads of state. India inherited this tradition from the British rulers who had gun salutes of 101 volleys, 31 volleys and 21 volleys, and so on in order of rank. In India, cannon salutes are fired on Republic Day, Independence Day and the swearing-in ceremony of the President, among other occasions.

Over the years, this 21-gun salute – which is empty – became known as the 'Ordnance Quick-Fire 25-pounder' or simply the '25-pounder' by World War-era British howitzers.

Inclusion of ATAGS

This year, two Advanced Towed Artillery Gun System (ATAGS) howitzers will be part of the battery that will fire along with other 25-pounders, officials said.

The ATAGS is an indigenous 155 mm x 52 caliber howitzer gun developed by the Defense Research and Development Organization (DRDO) and its Pune-based Armament Research and Development Establishment (ARDE) nodal agency.

Howitzers is an umbrella term for a category of long-range artillery.

Some practice firing sessions of ATAGS have already been held during the Independence Day celebrations. Officials said that the induction of ATAGS in the symbolic activity of 21-gun salute is an important step in the journey and is crucial towards its induction into the Army.

Development of ATAGS

The ATAGS project was initiated in 2013 by the DRDO to replace the old guns in the Indian Army with modern 155 mm artillery guns. With ARDE as the nodal laboratory, other DRDO facilities involved in the development effort are Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment (PXE), Center for Artificial Intelligence and Robotics (CAIR), and Defense Electronics Applications Laboratory (DEAL). ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Limited to develop this special gun system.

After several tests of subsystems in the early stages of development, July 2016 marked a major milestone when the ATAGS was proof-fired during technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore.

In August and September 2017, a record target of about 48 km was achieved at the Pokhran Field Firing Range.

The system was later subjected to various levels of testing in different weather and terrain conditions. In 2020, ATAGS reported an accident during one of its test firings in Pokhran which was investigated by DRDO.

The system is currently undergoing testing by the Directorate General Quality Assurance (DGQA) and marks the final stage before the Army orders it. DGQA is the nodal agency for quality assurance of all arms, ammunition, equipment and stores supplied to the armed forces.

#### Characteristics of ATAGS

The armament system of ATAGS mainly consists of barrel, breech mechanism, muzzle brake and recoil mechanism to fire the 155 mm caliber ammunition that the army has with long range, accuracy and precision and more fire. Provides power.

ATAGS are configured with an all-electric drive to ensure long-term maintenance-free and reliable operation. It has advanced features in terms of high mobility, rapid deployment, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in direct fire mode.

During its September 2017 test at Pokhran, maximum ranges of 38.5 km and 48 km, respectively, with boattail and extended-range full-bore type projectiles were achieved. DRDO officials say this is at least 20 percent more than the range achieved by any contemporary gun system.

During the same trial, a range of at least 4.7 km was achieved from systems meeting the critical parameter of minimum range at high angle.

The special gun system is compatible with C4I (Command, Control, Communication, Computer and Intelligence) systems such as the Artillery Combat Command and Control System (ACCCS) for technical fire control, fire planning, deployment management, and operational logistics management. For is called Shakti. the army

#### Future role

The development of ATAGS by DRDO coincides with the development of howitzer Dhanush by the erstwhile Ordnance Factory Board for Advanced Weapons and Equipment India.

In 2019, the Army and Ministry of Defense gave bulk production clearance to produce 114 Dhanush. Officials are hopeful that the two flagship products under Make in India – ATAGS and Dhanush – will successfully replace the old artillery systems in the coming days.

Headline: What is ATAGS, the indigenous howitzer featuring in I-Day 21-gun salute?

Publication : News Tribe

Date : August 15, 2022

Journalist:

<https://www.newstribes.in/what-is-atags-the-indigenous-howitzer-featuring-in-i-day-21-gun-salute/>

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Headline: Country's First: Made-in-India howitzer gun to fire 21-gun salute on Independence Day

Publication : News On Air

Date : August 15, 2022

Journalist:

[Country's First: Made-in-India howitzer gun to fire 21-gun salute on Independence Day | \(newsonair.com\)](https://www.newsonair.com)

'For the first-time in the history of India' has become a synonym to the country's defence ecosystem as unprecedented feats take place every other day. This time to a home-grown howitzer gun, 'Advanced Towed Artillery Gun System' (ATAGS) prototype, developed under the Government's Make in India' initiative, will give the 21-gun ceremonial salute during India's 75th Independence Day ceremony at iconic Red Fort in New Delhi on 15 August, 2022.

The entirely made-in-India gun has been designed and developed by (Defence Research and Development Organisation) DRDO and will give the ceremonial 21 Gun Salute along with the "25 Pounder British guns" which have traditionally fired till now. DRDO's Armament Research and Development Establishment (ARDE), Pune team led by Scientists and Artillery Officers has been responsible for making this possible.

Briefing the media, Defence Secretary of India Dr Ajay Kumar said, "The initiative to use this indigenously developed gun will stand as a testament to India's growing capacity of developing arms and ammunition indigenously. The gun has been specifically customised both in terms of blank firing and sound attributes so that it will be useful for ceremonial purposes."

This year, in addition to the 25-Pounders, as they are popularly known, one ATAGS will be used, Dr Kumar added.

Notably, since Independence, the ceremonial 21-gun salute is accorded by seven vintage Quick Fire 25 Pounder guns which fire blank rounds as the National Anthem is played after the hoisting of the National Flag by the Prime Minister.

"On the occasion of the elixir of freedom, a folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km," said Sangam Sinha, DG ((Resource &. Management), DRDO.

"The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

Decoding the made-in-India ATAGS

Started in 2013 by DRDO, ATAGS project was initiated to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE, a DRDO's Pune-based lab then partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

Advanced Towed Artillery Gun System, or ATAGS, is a 155mm calibre Gun System, which has a firing range of 48 kms along with advanced features that includes high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode.

Importantly, ATAGS is a world class gun which fires the Bimodular charge system in Zone 7. Notably, no other gun in the world is known to have that capability yet.

Further, the gun is compatible with C4I systems like the Artillery Combat Command and Control System called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army.

ATAGS has already proved its mettle during the recently conducted summer trials in April 2022 and is presently undergoing Directorate General of Quality Assurance (DGQA) evaluation. Additionally, ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

Headline: Country's First: Made-in-India howitzer gun to fire 21-gun salute on Independence Day

Publication : DT Next

Date : August 10, 2022

Journalist:

[DRDO-developed ATAGS to give 21 gun salute at Independence Day celebrations \(dtnext.in\)](https://dtnext.in)

For the first time in the history of India, the indigenously developed artillery gun ATAGS (Advanced Towed Artillery Gun System) prototype developed under the government's Make in India initiative will be fired from the Red Fort during the Independence Day celebrations on August 15.

The completely indigenous gun designed and developed by DRDO will give the ceremonial 21 Gun Salute along with the "25 Pounder British guns" which are traditionally fired till now.

A team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been responsible for making this possible.

Sangam Sinha, DG (R&M), DRDO said, "On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km."

"The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a 155mm calibre Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode.

ATAGS is a world-class system which fires the Bimodular charge system in Zone 7.

No other Gun in the world is known to have that capability yet. ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation.

This gun system is designed to provide one of the best accuracy and consistency in gun systems compared to other gun systems of the same calibre in the world.

ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialised Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: DRDO has developed ATAGS that takes a part of 21 gun salute on Independence Day 2022

Publication : Daily mails

Date : August 7, 2022

Journalist:

<https://mydailymails.in/drdodevelopedatags2022/>

Defense research and development organization (DRDO) has developed the 155mm/52 caliber advanced towed artillery gun system (ATAGS). The advanced towed artillery gun developed by two industries partner named TATA advanced system Ltd and **Bharat Forge** Ltd. It will be the first time in history that has been carried out by the World War II vintage 25 pounder guns. The two ATAGS Guns will be a part of 7, 25-pounder guns that go off in a closely simultaneously action with the unfurling of the national flag and anthem from the first gunfire to the last.

All the seven artillery guns fire three rounds each but this time, there will be two rounds fire decided. And this thing does by two ATAGS Guns.

The 21-gun salute would be carried out by blank rounds in ammunition which are provided by the Ordnance Factory Board. Army Headquarters is planning to phase out this World War 2 vintage 25-pounder gun with a 105mm Indian Ordnance cannon due to the antiquated nature of this gun and is working to develop a blank round that delivers the correct decibel of sound.



**Headline: Independence Day 2022: DRDO-Developed ATAGS To Give Ceremonial 21 Gun Salute at I-Day Celebrations**

**Publication : Latestly**

**Date : August 10, 2022**

**Journalist:**

[Independence Day 2022: DRDO-Developed ATAGS To Give Ceremonial 21 Gun Salute at I-Day Celebrations | LatestLY](#)

For the first time in the history of India, the indigenously developed artillery gun ATAGS (Advanced Towed Artillery Gun System) prototype developed under the government's Make in India initiative will be fired from the Red Fort during the Independence Day celebrations on August 15.

The completely indigenous gun designed and developed by DRDO will give the ceremonial 21 Gun Salute along with the "25 Pounder British guns" which are traditionally fired till now. A team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been responsible for making this possible.

Sangam Sinha, DG (R&M), DRDO said, "On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km." "The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a 155mm calibre Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. ATAGS is a world-class system which fires the Bimodular charge system in Zone 7. No other Gun in the world is known to have that capability yet.

ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation. This gun system is designed to provide one of the best accuracy and consistency in gun systems compared to other gun systems of the same calibre in the world. ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialised Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: In a first, ATAGS to blaze during Independence Day 21-Gun Salute at Red Fort

Publication : IGMP

Date : August 8, 2022

Journalist:

[In a first, ATAGS to blaze during Independence Day 21-Gun Salute at Red Fort \(theigmp.org\)](https://theigmp.org)

This Independence Day "Red Fort" will be witnessing something special as the country celebrates "Azadi Ka Amrit Mahotsav" marking the 75 years of independence. For the first time in history, The Advanced Towed Artillery Gun System (ATAGS), a prototype developed under the government's Make In India concept, by DRDO will be part of the 'Ceremonial Gun Salute' at Red Fort on August 15.

The indigenous guns built by DRDO will be firing during the Ceremonial Gun Salute along with the '25 Pounder British guns' which were traditionally fired till now. The DRDO team of Armament Research and Development Establishment (ARDE) led by a serving Lieutenant Colonel is responsible for getting these firing practices conducted.

ATAGS has already proved its mettle in the recently conducted summer trials at Pokhran in May 2022 and is currently undergoing a DGQA evaluation. The project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. DRDO laboratory Armament Research and Development Establishment (ARDE) has partnered with **Bharat Forge Limited** and Tata Advanced Systems Limited for the manufacturing of this specialized gun

ATAGS, the 155mm caliber Gun has a firing range of 48 km. With advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, and automatic command, and control system with night capability in direct-fire mode, the gun is a world-class system that fires in a Bi-modular charge system in Zone 7. It is noteworthy that no other Gun in the world is known to have that capability yet.

Headline: DRDO-developed ATAGS to give 21-gun salute on 75th Independence Day

Publication : Business Upturn

Date : August 10, 2022

Journalist:

[DRDO-developed ATAGS to give 21-gun salute on 75th Independence Day \(businessupturn.com\)](https://businessupturn.com)

During the Independence Day celebrations on August 15, the indigenously created artillery gun ATAGS (Advanced Towed Artillery Gun System), manufactured under the government's Make in India initiative, will be launched from the Red Fort for the first time in India's history.

Along with the conventional "25 Pounder British guns" that have been fired till today, the entire indigenous gun created and built by the DRDO will fire the ceremonial 21 Gun Salute. This was accomplished by a group from the DRDO's Armament Research and Development Establishment (ARDE), Pune, under the direction of scientists and artillery officers.

"On the occasion of the spirit of freedom, folding cannon is a magnificent present for India," remarked Sangam Sinha, DG (R&M), DRDO. The aiming range of this cannon, which is the longest in the world, is 45 to 48 kilometres.

The fact that it is Made in India by **Bharat Forge** is the most important aspect. The 21-gun salute on Independence Day is being performed with an indigenous artillery piece. The ATAGS is currently located at the Red Fort and was created by DRDO. This will be a huge help to the Indian Army, he continued.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

The 155mm calibre ATAGS Gun System has modern features like high mobility, quick deployability, auxiliary power mode, advanced communication system, autonomous command and control system, and nighttime direct-fire capabilities. Its shooting range is 48 kilometres. The Bimodular charge system is fired in Zone 7 by the top-tier ATAGS system. As of yet, no other Gun is known to have that capability.

**Headline: Made in India, Howitzer Gun Will Make Debut for 21 Gun Salute On Independence Day**

**Publication : See Positive**

**Date : August 10, 2022**

**Journalist:**

[Made in India, Howitzer Gun Will Make Debut for 21 Gun Salute On Independence Day \(seepositive.in\)](https://www.seepositive.in)

As India commemorates 75 years of independence with the grand 'Aazadi Ka Amrit Mahotsav,' the country anticipates Prime Minister Narendra Modi hoisting the flag at the Red Fort on August 15, as is customary. However, the ceremony will be different this time, as a testament to India's growing capacity and capabilities.

First time a home-grown howitzer gun will be used

For the first time, a home-grown howitzer gun, the Advanced Towed Artillery Gun System (ATAGS) prototype, developed as part of the 'Make in India' initiative, will be used for the ceremonial 21-gun salute at Red Fort. The entirely indigenous gun, designed and developed by the Defence Research and Development Organisation (DRDO), will fire the traditional 21-gun salute alongside the British guns. The gun has been customised for the ceremony, with technical specifications altered.

Advanced features of the ATAGS

The ATAGS is a 48-kilometer-range 155mm calibre gun system with advanced features such as high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system, and night capability in direct-fire mode. It's a world-class system that powers Zone 7's bi-modular charge system. No other gun in the world has that capability as of yet.

“Normally, seven guns are used for 21 shots in the 21-gun salute. These are all iconic British guns. This time, we will use the indigenous Howitzer for one of the 21 shots,” said RP Pandey, Scientist G, at DRDO. “This specialised gun system is compatible with C4I systems like the Artillery Combat Command and Control System called Shakti for technical fire control, fire planning, deployment management, operational logistics management of the Indian Army,” he added.

**Bharat Forge** and Tata Power SED manufacture the gun. The DRDO has created ten prototypes as part of a project that began in 2013 to replace older guns in service with the Indian Army.

The gun has previously been tried and tested and has been assigned to the Red Fort premises for necessary drills. For the time being, officers assigned to the mission are looking forward to D-Day.

Headline: I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India gun used for first time in ceremonial salute at Red Fort on I-Day

Publication : News Web India

Date : August 15, 2022

Journalist:

[I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India gun used for first time in ceremonial salute at Red Fort on I-Day \(webindia123.com\)](https://www.webindia123.com)

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the AatmaNirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun.

"After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Aatmanirbhar Bharat, I salute them for this," PM Modi said.

"For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward," the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute today has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins.

"I also salute the children who are saying No to imported toys. When a 5-year-old says 'No videshi', Aatmanirbhar Bharat runs through his veins," he added.

Eulogising India's journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector.

"Through the PLI (production linked incentive) schemes, we are becoming the manufacturing powerhouse of the world. People are coming to India to Make In India," he said.

"We need to be Aatmanirbhar in our energy sector. From solar energy to Mission Hydrogen to adoption to EVs (electric vehicles), we need to take these initiatives to the next level for energy independence," the Prime Minister added.

Earlier today, PM Modi hoisted the Tricolour at the Red Fort. Prior to that, he inspected the Guard of Honour which was positioned directly in front of the National Flag across the moat below the ramparts.

The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour.

On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar.

Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime Minister. Thereafter, PM Modi inspected the Guard of Honour.

MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

Meanwhile, people are enthusiastically taking part in the 'Har Ghar Tiranga' campaign under the aegis of Azadi Ka Amrit Mahotsav.

The 'Har Ghar Tiranga' campaign commenced on Saturday and will run till Monday.

Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts | India News

Publication : Real Time India

Date : August 15, 2022

Journalist:

[PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts | India News - Realtimeindia](#)

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said. Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.

Headline: Indian gun to be used for Independence Day ceremonial salute

Publication : Lokmat Times

Date : August 15, 2022

Journalist:

<https://www.lokmatimes.com/national/indian-gun-to-be-used-for-independence-day-ceremonial-salute-a475/>

In a first, an indigenous howitzer will be deployed for the ceremonial 21-gun salute at the upcoming 75th Independence Day ceremony at Red Fort next week along with British guns that have been traditionally used for the event, defence secretary Ajay Kumar said on Wednesday. The howitzer, a prototype of the advanced towed artillery gun system (ATAGS), has been designed and developed under the government's Make in India initiative to strengthen the defence manufacturing sector. The use of the indigenously developed gun will reflect India's capacity to develop arms and ammunition locally, he said.

The gun's technical specifications have been tweaked for the ceremony. The Defence Research and Development Organisation (DRDO) began the ATAGS project in 2013 to replace older army guns with a modern 155 mm artillery gun. It partnered with two private firms, **Bharat Forge** Limited and Tata Advanced Systems Limited, for manufacturing the gun, which has a firing range of 48 km. Special invitees to the function include mortuary workers, anganwadi workers and street vendors, officials said. This is in line with the initiative taken during Republic Day 2022 to allow all sections to attend the event. The NCC cadets from across the country have also been invited to attend the event. "These cadets will be seated at 'Gyan Path' in front of the Red Fort's ramparts in a geographical formation of the map of India. They will adorn local dresses, symbolising India's cultural diversity, to carry forward the message of 'Ek Bharat Shrestha Bharat,' the ministry said in a statement.



Headline: I-Day 2022: PM Modi lauds Defence forces after 'Made-In-India' gun used for first time in ceremonial salute on I-Day

Publication : Organizer

Date : August 15, 2022

Journalist:

<https://organiser.org/2022/08/15/91488/bharat/i-day-2022-pm-modi-lauds-defence-forces-after-made-in-india-gun-used-for-first-time-in-ceremonial-salute-on-i-day/>

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the AatmaNirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun. "After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Atmanirbhar Bharat, I salute them for this," PM Modi said.

"For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward," the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute today has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins.

"I also salute the children who are saying No to imported toys. When a 5-year-old says 'No videshi', Aatmanirbhar Bharat runs through his veins," he added.

Eulogising India's journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector.

"Through the PLI (production linked incentive) schemes, we are becoming the manufacturing powerhouse of the world. People are coming to India to Make In India," he said.

"We need to be Aatmanirbhar in our energy sector. From solar energy to Mission Hydrogen to adoption to EVs (electric vehicles), we need to take these initiatives to the next level for energy independence," the Prime Minister added.

Earlier today, PM Modi hoisted the Tricolour at the Red Fort. Prior to that, he inspected the Guard of Honour which was positioned directly in front of the National Flag across the moat below the ramparts.

The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour.

On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar.

Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime Minister. Thereafter, PM Modi inspected the Guard of Honour.

MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

Meanwhile, people are enthusiastically taking part in the 'Har Ghar Tiranga' campaign under the aegis of Azadi Ka Amrit Mahotsav.

The 'Har Ghar Tiranga' campaign commenced on Saturday and will run till Monday.

Headline: ATAGS made in India to be fired on Independence Day – What exactly is the indigenous firearms system?

Publication : WhatsHappening

Date : August 11, 2022

Journalist:

[ATAGS made in India to be fired on Independence Day -What exactly is the indigenous firearms system? - whatshappening](#)

ATAGS made in India to be fired on Independence Day – What exactly is the indigenous firearms system?

The entirely indigenous Advanced Towed Artillery Gun System will be fired during the ceremonial 21-gun salute at Red Fort to commemorate the country's 75th anniversary. Discover what this advanced gun system is capable of.

For the first time, an India-made howitzer gun will fire the ceremonial 21-gun salute during the country's 75th Independence Day celebrations. The gun will be installed at the iconic Red Fort, from which Prime Minister Narendra Modi will deliver the nation's annual address. The prototype of the Advanced Towed Artillery Gun System (ATAGS) has been specially customised for the occasion. ATAGS is a flagship project of the government's Make in India initiative, which aims to make the country self-sufficient in the production of arms and ammunition. The ATAGS, which has been fully designed and developed by the Defence Research and Development Organisation (DRDO), will be fired alongside the traditional '25 pounder British Guns'.

What exactly are the ATAGS?

DRDO launched the ATAGS project in 2013 with the goal of developing an entirely indigenous 155mm artillery gun to replace older guns in the Army's inventory.

For the production of these specialised guns, the DRDO collaborated with two private companies, Tata Advanced Systems Limited and **Bharat Forge** Limited.

The gun system is extremely mobile and can be deployed quickly. Auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode are among its other features.

It can fire the Bimodular charge system (a type of ammunition) in Zone 7 (the maximum range) – no other gun, according to reports, can do so. According to reports, the gun also has a larger chamber capacity of 25 litres, which is larger than other existing contemporary gun systems in the world. While the gun is designed to have a range of 45 kilometres, it achieved a range of more than 48 kilometres during trials.

While ATAGS will make its debut on August 15th, 2022, it was first seen at the Republic Day parade in 2017. Praveen Kumar Mehta, Director General Armaments and Combat Engineering Systems, lauded the development at the time, saying, "This gun is an example that you can build the best guns in the country with the best possible specifications that can match the specifications of any contemporary gun made in this class in any other country."

ATAGS is a powerful weapon with a 155mm/52 calibre gun. A longer calibre length provides more stability and thus more range and consistency. Any higher would have made towing difficult, but the weight is more than offset by a powerful auto-propulsion motor. ATAGS has also had successful trials in various terrains, so mobility is not an issue.

These weapons can fire 5 rounds in 60 seconds, 10 rounds in 150 seconds, and 60 rounds in 60 minutes in a sustained battle.

ATAGS are expected to be the backbone of Indian artillery. The advantage of indigenous firearms is that any repair or modification can be done within the country, saving time and money.

Headline: DRDO-developed ATAGS to present 21 gun salute at Independence Day celebrations

Publication : Business Lend

Date : August 12, 2022

Journalist:

[DRDO-developed ATAGS to present 21 gun salute at Independence Day celebrations \(businesslend.com\)](https://businesslend.com)

For the primary time within the historical past of India, the indigenously developed artillery gun ATAGS (Advanced Towed Artillery Gun System) prototype developed beneath the federal government's Make in India initiative will probably be fired from the Red Fort throughout the Independence Day celebrations on August 15.

The utterly indigenous gun designed and developed by DRDO will give the ceremonial 21 Gun Salute together with the "25 Pounder British weapons" that are historically fired until now. A workforce of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been chargeable for making this attainable.

Sangam Sinha, DG (R&M), DRDO stated, "On the event of the elixir of freedom, folding cannon is a good reward for India. This is the longest-range cannon on the earth and is able to hitting targets from 45 to 48 km."

"The greatest factor is that for the primary time it's Made in India by **Bharat Forge**. It is an indigenous artillery gun getting used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is presently on the Red Fort. This will probably be a giant assist to the Indian Army," he added.

The ATAGS mission was began in 2013 by DRDO to switch older weapons in service within the Indian Army with a contemporary 155mm artillery gun. ARDE partnered with two non-public companies **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a 155mm calibre Gun System with a firing vary of 48 km and superior options like excessive mobility, fast deployability, auxiliary energy mode, superior communication system, computerized command and management system with night time functionality in direct-fire mode. ATAGS is a world-class system which fires the Bimodular cost system in Zone 7. No different Gun on the earth is thought to have that functionality but.

ATAGS has already proved its mettle throughout the lately carried out summer season trials and is presently present process DGQA analysis. This gun system is designed to offer the most effective accuracy and consistency in gun methods in comparison with different gun methods of the identical calibre on the earth. ATAGS has been confirmed in

excessive climate situations and has gone by rigorous trials and evaluations.

This specialised Gun System is appropriate with C4I methods like the Artillery Combat Command and Control System (ACCCS) known as Shakti for technical fireplace management, fireplace planning, deployment administration, and operational logistics administration of the Indian Army.

Headline: Gun salute made in India to mark Independence Day celebrations

Publication : Allmaa

Date : August 10, 2022

Journalist:

[Gun salute made in India to mark Independence Day celebrations](#) › AllMaa

Swadeshi howitzer gun salute, particular visitor invites to Anganwadi staff, road distributors, Mudra scheme debtors and mortuary staff are a few of the particular initiatives taken by the Ministry of Protection to have fun the seventy fifth Independence Day on August 15. India-made ATAGS For the primary time, the Indian-made Superior Drilled Artillery Gun System (ATAGS) can be included within the ceremonial 21-gun salute on the Independence Day celebrations on the Crimson Fort, Protection Secretary Ajay Kumar mentioned on Wednesday. The rifle has been developed by the Protection Analysis and Growth Company underneath the federal government's 'Make in India' initiative. Kumar advised reporters that the ATAGS will provide a ceremonial 21-gun salute together with the standard British weapons used thus far. The transfer to make use of this indigenously developed gun will stand as a testimony to India's rising capability to develop arms and ammunitions indigenously. , the ministry mentioned. The gun was particularly custom-made, with some technical specs modified for the ceremony, the MoD revealed. The ATAGS venture was launched by DRDO in 2013 to switch the outdated weapons utilized by the military with a contemporary 155mm cannon. DRDO's ARDE has partnered with two non-public corporations, **Bharat Forge** Restricted and Tata Superior Methods Restricted, to develop a world-class gun that fires a bimodular cost system in Zone 7, the MoD mentioned. Mobility, fast deployment, auxiliary energy system, superior communication system, automated command and management system with evening functionality in direct-fire mode, the ministry mentioned. No different gun on this planet is thought to have that functionality, the ministry mentioned. The unrecognized Prime Minister will acknowledge Narendra Modi and preside over the 'Azadi Ka Amrit Mahotsav' celebrations, delivering his customary handle from the ramparts of the enduring Crimson Fort. As a follow-up to the initiative taken throughout Republic Day 2022, the federal government has invited the normally missed. Crimson Fort will host Anganwadi staff, road distributors, debtors of Mudra scheme and mortuary staff as particular friends. Equally, NCC cadets from all districts will sit on the 'Kian Path' reverse the Crimson Fort fort on the geographical format of the Indian map. They may put on conventional costumes symbolizing India's cultural variety and take ahead the message of 'Ek Bharat Shrestha Bharat', the ministry mentioned. A complete of 26 officers, supervisors and 127 cadets and youths from 14 nations are taking part within the particular youth change program organized from August 09 to August 17. It's being held for the primary time as a part of the Independence Day celebrations. Revealed on August 10, 2022.

Headline: DRDO-developed ATAGS to give 21 gun salute at Independence Day celebrations

Publication : The Wall

Date : August 12, 2022

Journalist:

[DRDO-developed ATAGS To Give 21 Gun Salute At Independence Day Celebrations - The Wall.fyi](#)

For the primary time within the historical past of India, the indigenously developed artillery gun ATAGS (Advanced Towed Artillery Gun System) prototype developed below the federal government's Make in India initiative will probably be fired from the Red Fort in the course of the Independence Day celebrations on August 15.

The utterly indigenous gun designed and developed by DRDO will give the ceremonial 21 Gun Salute together with the "25 Pounder British weapons" that are historically fired until now. A group of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been chargeable for making this attainable.

Sangam Sinha, DG (R&M), DRDO stated, "On the event of the elixir of freedom, folding cannon is a superb present for India. This is the longest-range cannon on the planet and is able to hitting targets from 45 to 48 km."

"The greatest factor is that for the primary time it's Made in India by **Bharat Forge**. It is an indigenous artillery gun getting used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is at present on the Red Fort. This will probably be a giant assist to the Indian Army," he added.

The ATAGS challenge was began in 2013 by DRDO to switch older weapons in service within the Indian Army with a contemporary 155mm artillery gun. ARDE partnered with two non-public companies **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialised gun.

ATAGS is a 155mm calibre Gun System with a firing vary of 48 km and superior options like excessive mobility, fast deployability, auxiliary energy mode, superior communication system, automated command and management system with evening functionality in direct-fire mode. ATAGS is a world-class system which fires the Bimodular cost system in Zone 7. No different Gun on the planet is understood to have that functionality but.

ATAGS has already proved its mettle in the course of the lately carried out summer time trials and is at present present process DGQA analysis. This gun system is designed to offer among the finest accuracy and consistency in gun programs in comparison with different gun programs of the identical calibre on the planet. ATAGS has been confirmed in excessive climate situations and has gone by rigorous trials and evaluations.



This specialised Gun System is appropriate with C4I programs like the Artillery Combat Command and Control System (ACCCS) referred to as Shakti for technical health management, health planning, deployment administration, and operational logistics administration of the Indian Army.

Headline: Independence Day 2022: Made In India  
Cannon Salute For The First Time At Red Fort

Publication : National Bulletin

Date : August 15, 2022

Journalist:

[Independence Day 2022: Made in India cannon salute for the first time at Red Fort - The National Bulletin](#)

India is celebrating its 75th Independence Day. At the same time, Prime Minister Narendra Modi hoisted the tricolor from the Red Fort for the 9th consecutive time. In his address to the nation, PM Modi said that self-reliant India, it becomes the responsibility of every citizen, of every government, of every unit of society. This is not a government agenda. This is a mass movement of the society, which we have to take forward.

PM Modi said that today when we heard this voice, for which the ears yearned. He said that after 75 years, the Made in India cannon has done the task of saluting the flag from the Red Fort. PM Modi said that we should be proud of our heritage. When we will connect with our earth. Only then will you fly high. When we fly high, we will be able to give solutions to the world too.

On the occasion of Independence Day, on 15 August 2022, the first indigenous Howitzer artillery salute was given from the Red Fort. These guns are jointly made by DRDO's Armament Research and Development Establishment (ARDE), Tata Advanced Systems Limited, Mahindra Defense Naval System and **Bharat Forge** Limited. The name of this howitzer gun is Advanced Towed Artillery Gun (ATAGS). It is of 155 mm/52 caliber.

The Indian Army currently has 7 of this 155 mm gun. Its first test was done in the year 2016. 40 guns have been ordered. Apart from this, 150 more cannons will be made. It requires 6 to 8 people to run it. It fires 3 rounds in 15 seconds in burst mode, 15 rounds in 3 minutes in intense and 60 rounds in 60 minutes. Its firing range is 48 km. But efforts are being made to increase it to 52.

Headline: Howitzer cannon ATAGS thundered on Independence Day, know what is its firepower, restless neighboring countries

Publication : India Print

Date : August 15, 2022

Journalist:

<https://www.theindiaprint.com/national-news-english/howitzer-cannon-atags-thundered-on-independence-day-know-what-is-its-firepower-restless-neighboring-countries-309707>

The indigenously developed Howitzer cannon was used for the first time during the traditional 21-gun salute during the Independence Day celebrations at the Red Fort. The Defense Research and Development Organization (DRDO) developed the 'Advanced Towed Artillery Gun System' (ATAGS) for this gun under the government's 'Make in India' initiative. For the first time in the 76th year of independence, the ATAGS cannon was used along with the traditionally used British guns in the 21-gun salute. The Defense Ministry said the initiative to use the cannon would be a testament to India's growing capability to develop arms and ammunition indigenously. In such a situation, let us know what is the specialty of these guns. After all, how has DRDO planned this cannon? What role will it play in the defense system of the country? What are their characteristics? What is the specialty of this cannon?

1- Actually, the ATAGS project was started by DRDO in 2013. Its purpose was to replace the old guns serving in the Indian Army with a modern 155 mm cannon. The Advanced Towed Gun System (ATAGS) has been developed by DRDO in association with Tata and Bharat-Forge companies. This ATAGS gun of 155 x 52 caliber has a range of about 48 km. Soon it is going to be part of the artillery of the Indian Army.

2- In the year 2018, the Defense Ministry approved the purchase of 150 Atag guns. ATAGS is a world-class gun system. Some special changes have been made in the firing of its shells for the Independence Day celebrations. The ATAGS project was initiated by DRDO in 2013 to replace the old guns in the Indian Army with modern 155 mm artillery guns.

3- These guns have been manufactured at DRDO's Pune-based facility Ordnance Research and Development Establishment. The ATAGS project was initiated by the DRDO in the year 2013 to replace the old guns in the Indian Army with modern 155 mm artillery guns. It was successfully test fired at Pokhran Field Firing Range in Rajasthan. These guns can be taken and deployed at any place. These guns have been made jointly by DRDO's Armament Research and Development Establishment, Tata Advanced Systems Limited, Mahindra Defense Naval System, and **Bharat Forge** Limited.

Indigenous artillery is very accurate in the Indian defense system

Dr. Abhishek Pratap Singh, an expert in defense affairs, says that the design and capability of these indigenous guns have been prepared according to the Indian defense systems. In terms of safety, it can be easily carried from one place to another. It is very light compared to other guns in the world. It can be operated from anywhere. Somewhere the border area of India is a plateau and somewhere it is desert. There are high peaks on the border of India. These indigenous guns can be easily carried even in the hilly areas of the country. Security will be further strengthened after the induction of indigenous guns in India's army.

Salute with indigenous guns from Red Fort after 75 years

Prime Minister Narendra Modi said that the voice we always wanted to hear, we are hearing after 75 years. It is after 75 years that the tricolor has received the ceremonial salute at the Red Fort with a gun made in India for the first time. Significantly, until now British guns have been used for ceremonial

salutes. For the first time during the Independence Day celebrations, Mi-17 helicopters have also showered flowers on the Red Fort.

What is the 21-gun salute tradition?

1- In India, when the national anthem is played by a military band after the Prime Minister hoists the tricolor at the Red Fort, an artillery regiment is formally given a 21-gun salute. By the way, the tradition of the cannon salute was started by the navies of western countries. There, artillery was fired from ships passing through the ports in a special way to convey that they had no fighting intentions. This tradition was later carried on as a way of paying respect. For example, it was used for official receptions for crowns, royals, military commanders, and heads of state.

2- India inherited this tradition from the British rulers. The highest salute before independence was the 101 gun salute. It was also known as the royal salami. It was given only to the Emperor of India i.e. the British Crown. In addition to 101, 31 and then 21 gun salutes were also used. In India, a 21-gun salute is given on Republic Day, Independence Day, and other occasions as well as during the swearing-in ceremony of the President.

Headline: India-made Howitzer Guns to deliver the ceremonial 21-gun salute on Independence Day, Know What are ATAGS Here

Publication : Pakki Khabar

Date : August 12, 2022

Journalist:

[India-made Howitzer Guns to deliver the ceremonial 21-gun salute on Independence Day, Know What are ATAGS Here | Pakkikhabar](#)

India-made ATAGS to fireside on Independence Day: The milestone of India's seventy fifth Independence Day shall be marked with India-made Howitzer Weapons delivering the ceremonial 21-gun salute on fifteenth August 2022. As per the official replace shared by the Authorities, the indigenous Superior Towed Artillery Gun System(ATAGS) prototype has been specifically developed to mark the event and shall be put in on the Crimson Fort. The ceremonial 21 Gun Salute shall be delivered by the Made in India Howitzer Weapons will ship the gun salute after Prime Minster Narendra Modi delivers his Independence Day speech.

ATAGS – Flagship of Make in India Marketing campaign

The Superior Towed Artillery Gun System (ATAGS) has been developed utterly indigenously and is a flagship product of PM Modi's Make in India marketing campaign. The event of ATAGS comes as a part of the federal government's push to make the nation self-reliant within the defence sector with the production of arms and ammunition being executed in-house in India. The official replace additionally states that the India-made Howitzer Weapons that are a part of the ATAGS Prototype system shall be fired alongside the '25 pounder British Weapons' which can be historically fired till now.

What are ATAGS and Why are they essential?

The ATAGS Prototype that shall be used as a part of Independence Day celebrations has been specifically developed by DRDO – Defence Analysis and Improvement Group. As per a report filed by ANI, the Made in India Howitzer Weapons are the primary ATAGS on the earth to have a variety of 45 Km. Sangam Sinha, DG (R&M), DRDO stated that "It's self-propelled and may be towed simply. This time it will likely be included within the 21-Gun salute and can certainly be a sport changer."

The event course of for an indigenously developed ATAGS began in 2013 as a part of the federal government's imaginative and prescient to design, develop and manufacture anindigenous 155mm artillery gun, which might substitute its international counterparts being utilized by the Indian Military at present. With DRDO main the event course of, the analysis group tied up with two non-public companies i.e., Tata Superior Methods Restricted and **Bharat Forge** Restricted, to handle the manufacturing of the indigenously developed ATAGS.

The distinctive design of the India Made ATAGS has given it the power to fireside the Bimodular cost system (a kind of ammunition) in Zone 7 (a most vary). As per defence consultants, at present different ATAGS on the earth has this functionality. Along with this, in the course of the redesign course of, DRDO consultants have additionally given it an elevated chamber capability of 25 litres, which is once more above another gun system that exists on the earth. In the course of the testing course of, the weapons which have been designed to have a variety of 45 Km, achieved a variety of 48 Km. ATAGS is a 155mm/52 calibre gun which makes it a strong weapon.

Made in India ATAGS Howitzer Weapons – Key Options and Highlights

Highest Capturing Vary: 45 Km

Elevated Chamber Capability of 25 Litres

Charge of Firing: 5 Rounds in 60 Seconds / 10 Rounds in 150 Seconds / 60 Rounds in 60 Minutes

Excessive Mobility and Fast Deployment

Auxiliary energy mode

Superior communication system

Computerized command and management system

Evening functionality in direct-fire mode

**Headline: Independence celebration will be very special at Red Fort, 21 gun salute will be given with indigenous gun**

**Publication : NSBB**

**Date : August 14, 2022**

**Journalist:**

[Independence celebration will be very special at Red Fort, 21 gun salute will be given with indigenous gun - Nsbb](#)

On the occasion of the Amrit Mahotsav of Independence i.e. 75th Independence Day, this year the celebration of independence at the Red Fort is also going to be very special. From the ramparts of the Red Fort, the eyes of the countrymen will remain on Prime Minister Narendra Modi's address to the country, as well as for the first time this year, a 21-gun salute will be given with the indigenous gun. The Independence Day celebrations at the Red Fort will begin at 6.55 am, when the Army's Delhi Area GOC will arrive.

After the arrival of the GOC, the Defense Secretary will arrive and then the chiefs of the three forces i.e. Army, Air Force and Navy. The arrival of Minister of State for Defense Ajay Bhatt at 7.08 am and Defense Minister Rajnath Singh will arrive at 7.11 am. Prime Minister Narendra Modi will arrive at the Red Fort as soon as the clock strikes 7.18.

PM Modi's program

Before the Red Fort, PM Narendra Modi will pay tribute to the Father of the Nation Mahatma Gandhi by reaching Raj Ghat. On reaching the Red Fort, the PM will be given a guard of honor for the tri-service ie troops of the three armies. The PM will hoist the flag at the Red Fort exactly at 7.30. Soon after this, the national anthem will be played and a 21-gun salute will be given. It will be the first time after 75 years of independence that an indigenous artillery gun will also be included in the salute of 21 guns. Till now, a 21-gun salute was being given from the British pounder-gun of World War II.

21 gun salute with indigenous gun

For the first time this year, at the Independence Day celebrations at the Red Fort, the Prime Minister will be given a 21-gun salute from the indigenous artillery gun, 'Atag'. This year's 21-gun salute at the Red Fort will include an indigenous Atag cannon along with six British pounder guns. The Advanced Towed Artillery Gun System (TAGS or Atag System) has been developed by DRDO in association with Tata and Bharat-Forge companies. This TAGS gun of 155 x 52 caliber has a range of about 48 km and is soon going to be part of the artillery of the Indian Army.

Nation's eyes on PM's address

In the year 2018, the Defense Ministry had approved the purchase of 150 Atag guns for the Army. According to the Ministry of Defense, the fire from the real gun in the Red Fort will be ceremonial. For this, the sound of the cannon and the shell have been 'customised'. After the flag hoisting and the national anthem, ie at 7.33, the PM will address the country. For the last eight years, the PM's speech has been around 90 minutes. In such a situation, it is believed that this year will also be the same. Because this year the country is celebrating the nectar festival of independence. In such a situation, all eyes will be on the PM's address.

Who will be involved in the program?

In his speech, PM has been speaking on burning issues like agriculture, defence, business, economy, international relations and diplomacy. During the PM's address, apart from the members of the

cabinet, judges of the Supreme Court and High Court, the Chief Minister of Delhi and foreign diplomats will be present. According to the Ministry of Defense, for the first time this year, NCC cadets have been called from all the districts of the country on the theme 'Ek Bharat Shreshtha Bharat'. These cadets will sit at the place of their district in the map of India on the Gyanpath in front of the Red Fort. From costumes to costumes, they will come wearing everything according to their locality.

Underprivileged people of the society were also invited

Like Republic Day, for the first time this year, those underprivileged people of the society, who have always been ignored, have been invited to the Red Fort. Mortuary workers, street vendors, Anganwadi workers, Mudra loan beneficiaries have also been called in the programme. Online invitations have been sent to three ministries of the central government. Apart from this, for the first time under the Youth Exchange Program, selected NCC cadets from 14 countries will participate in the ceremony.

126 young cadets from 14 countries will be involved

About 126 young cadets from 14 countries will participate in the Independence Day 2022 at the Red Fort this year. The countries whose cadets have reached India include Mauritius, Argentina, Brazil, Kyrgyzstan, Uzbekistan, UAE, England, America, Maldives, Nigeria, Fiji, Indonesia, Seychelles and Mozambique. These foreign cadets have participated in the competition organized in their respective countries and after being selected in it, these NCC cadets have come to India. All these youths have come to India to interact with NCC cadets under the Culture Exchange Program.



**Headline: In a first, Advanced Towed Artillery Gun System to be used on I-Day at Red Fort**

**Publication : Evening Standard**

**Date : August 12, 2022**

**Journalist:**

[In a first, Advanced Towed Artillery Gun System to be used on I-Day at Red Fort – Evening Standard](#)

To mark the 75 years of independence (Azadi Ka Amrit Mahotsav), an indigenous howitzer developed by DRDO will be used to render the 21-gun salute during the Independence Day celebrations at Red Fort.

To date, only British guns (Ordnance QF 25-pounder) were used during the annual celebrations of nationhood. But this year, the Advanced Towed Artillery Gun System (ATAGS) will be part of the ceremony.

Here are a few points you should know about the new weapon

It was developed by ARDE, a leading lab of DRDO, which primarily deals with the research, design, and development of arms and artillery. **Bharat Forge** Ltd and Tata Advanced Systems Ltd have been entrusted with the responsibility of manufacturing the 155 mm x 52 ATAGS.

DRDO started the project in 2013 to replace the existing guns, 130mm M-46 Russian Gun and FH77B Swedish Bofors, with ATAGS.

Unlike other guns that can fire only three rounds per minute, the new ATAGS howitzer is capable of burst firing five rounds per minute.

The firing range of the new heavy artillery gun is 45 km, the first in the world. It achieved a range of more than 48 km (48.074 km) in trials in the Balasore firing range. Thanks to its 25 liters chamber capacity that helped in achieving the 48 km range.

It completed all field trials in different conditions and is ready for induction into the army.

The artillery can be easily carried in the mountains as it weighs only 18 tonnes, and can be operated by a crew of seven men. The maximum speed of the howitzer is 80-100 per hour when towed, and 18 km per hour without a tow.

Headline: What is ATAGS, the Indigenous Howitzer Used for the First Time During Ceremonial Salute at Red Fort Today

Publication : Trivia Today

Date : August 15, 2022

Journalist:

[What is ATAGS, the Indigenous Howitzer Used for the First Time During Ceremonial Salute at Red Fort Today - triviatodayanswers](#)

During the ceremonial 21-shot salute to the tricolor at the historic Red Fort on India's 76th Independence Day today, a made-in-India gun was used for the first time in 75 years of the nation's independence. Also, for the first time, MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

So far, British guns have been used for ceremonial salute. "The sound that we always wanted to hear, we are hearing it after 75 years. It is after 75 years that the tricolor has got the ceremonial salute at the Red Fort for the first time from a made-in-India gun," Prime Minister Narendra Modi said. He further added that all Indians will be inspired and feel empowered on hearing this made-in-India gun roar.

In his speech at the Red Fort, Prime Minister Modi also commended the armed forces personnel for adopting his vision of Atmanirbhar Bharat (self-reliant India) and taking steps towards realizing it.

"I want to salute the soldiers of this country from my heart. The manner in which my vision of Atmanirbhar Bharat has been collectively adopted by the soldiers and officers of the armed forces, I cannot salute them enough." It is not a small resolution when a soldier decides to list 300 items that he will not import from other countries, Modi said.

He was referring to the Defense Ministry's decision to issue multiple "positive indigenization lists" that lists 300 plus items which will not be imported after a certain period of time. "I can see the seeds of Atmanirbhar Bharat in that resolution that will lead to the birth of a big tree," Modi added.

What is ATAGS — The Indigenous howitzer gun

The indigenous howitzer gun that was used for the ceremonial salute on Monday has been designed by the Centre-run Defense Research and Development Organization (DRDO). And, this year, two Advanced Towed Artillery Gun System (ATAGS) howitzers joined the battery that fired along with other 25 pounders, said officials.

Sangam Sinha, DG (R&M), DRDO said, "On the occasion of the elixir of freedom, folding cannon is a great gift for India. This is the longest-range cannon in the world and is capable of hitting targets from 45 to 48 km."

"The biggest thing is that for the first time it is Made in India by **Bharat Forge**. It is an indigenous artillery gun being used for the 21-gun salute on Independence Day. The ATAGS is developed by DRDO and is currently at the Red Fort. This will be a big support to the Indian Army," he added.

ATAGS is a 155mm caliber Gun System with a firing range of 48 km and advanced features like high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night capability in direct-fire mode. A team of DRDO's Armament Research and Development Establishment (ARDE), Pune led by Scientists and Artillery Officers have been responsible for making this possible.

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155mm artillery gun. ARDE partnered with two private firms **Bharat Forge** Limited and Tata Advanced Systems Limited for the manufacturing of this specialized gun.

ATAGS is a world-class system which fires the Bimodular charge system in Zone 7. No other Gun in the world is known to have that capability yet. ATAGS has already proved its mettle during the recently conducted summer trials and is currently undergoing DGQA evaluation. This gun system is designed to provide one of the best accuracy and consistency in gun systems compared to other gun systems of the same caliber in the world. ATAGS has been proven in extreme weather conditions and has gone through rigorous trials and evaluations.

This specialized Gun System is compatible with C4I systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Indian Army.

Headline: On Independence Day, Made-In-India Gun Used In Ceremonial Salute

Publication : Divya Bharat

Date : August 15, 2022

Journalist:

[On Independence Day, Made-In-India Gun Used In Ceremonial Salute: 5 Points - Divya Bharat IN \(divya-bharat.com\)](https://divya-bharat.com)

The ATAG gun was used for the first time on Independence Day 2022.

For the first time, a made-in-India howitzer gun was part of the 21-gun salute during the Independence Day celebrations at Red Fort in New Delhi on Monday. The Advanced Towed Artillery Gun (ATAG) was used along with British-made 25-Pounders.

Here are five facts about ATAG:

The towed artillery gun has been developed by Defence Research and Development Organisation (DRDO) and produced by two firms **Bharat Forge** and Tata Advanced Systems Limited.

According to Defence Ministry's release, the armament system of ATAGS mainly comprise barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunitions held by Indian Army with a longer range, accuracy and precision and provides greater fire power.

ATAG is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It will have a firing range of 40 kilometres with advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in direct fire mode.

The DRDO has undertaken the development of the new-generation guns as a part of artillery modernisation programme of Indian Army. Armament Research and Development Establishment (ARDE) in Pune is the nodal laboratory of DRDO for design and development of ATAG along with other laboratories of the defence body.

The gun is expected to be the mainstay of the Indian Army tower howitzer fleet and may also be used to replace the Bofors howitzers.

Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : News Knowledia

Date : August 15, 2022

Journalist:

[PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts \(knowledia.com\)](https://www.knowledia.com/news/pm-modi-hails-atmanirbhar-drive-as-indigenous-howitzer-debuts)

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said.

Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.

Headline: India-made Howitzer Guns to give ceremonial 21-gun salute on Independence Day, know what are here ATAGS

Publication : Uttar Pradesh Live

Date : August 12, 2022

Journalist:

<https://www.uttarpradeshlive.com/india-made-howitzer-guns-to-give-ceremonial-21-gun-salute-on-independence-day-know-what-are-here-atags/>

Independence Day milestone will be marked with a ceremonial 21-gun salute on 15 August 2022 with Indian made Howitzer Guns. As per the official update shared by the government, the indigenously developed Advanced Towed Artillery Gun System (ATAGS) prototype has been specially developed to mark the occasion and will be installed at the Red Fort. Formal 21 gun salute to be given by Made in India Howitzer guns will give a gun salute after Prime Minister Narendra Modi's Independence Day speech.

Head of ATAGS – Make in India campaign

The Advanced Towed Artillery Gun System (ATAGS) is completely indigenously developed and is a flagship product of PM Modi's Make in India campaign. The development of ATAGS comes as part of the government's effort to make the country self-reliant in the defense sector with the production of arms and ammunition in India. The official update also states that the India-made howitzer guns that are part of the ATAGS prototype system will be fired along with the '25 Pounder British Guns' that have so far been conventionally fired.

What are ATAGS and why are they important?

The ATAGS prototype to be used as part of the Independence Day celebrations has been specially developed by DRDO – Defense Research and Development Organization. According to a report filed by ANI, the Made in India howitzer gun is the world's first ATAGS with a range of 45 kms. DRDO DG (R&M) Sangam Sinha said, "It is self propelled and can be pulled easily. This time it will be inducted in a 21 gun salute and will definitely be a game changer.

The development process for the indigenously developed ATAGS began in 2013 as part of the government's vision to design, develop and manufacture 155 mm artillery guns, which could replace their foreign counterparts currently being used by the Indian Army. Is. With DRDO leading the development process, the research organization tied up with two private firms, Tata Advanced Systems Limited and **Bharat Forge** Limited, to manage the production of indigenously developed ATAGS.

The unique design of the India Made ATAGS gives it the capability to fire Bimodular Charge System (a type of ammunition) in Zone 7 (Maximum Range). According to defense experts, currently other ATAGS in the world have this capability. Moreover, during the redesign process, DRDO experts have also given it an increased chamber capacity of 25 liters, which is again above any other gun system in the world. During the test process, the guns, designed for a range of 45 km, reached a range of 48 km. ATAGS is a 155mm/52 caliber gun which makes it a powerful weapon.

Made in India ATAGS Howitzer Gun – Key Features & Key Features

Highest Shooting Range: 45km

Increased chamber capacity of 25 liters

Firing rate: 5 rounds in 60 seconds / 150 rounds in 10 seconds / 60 rounds in 60 minutes

High mobility and quick deployment

auxiliary power mode

advanced communication system

automated command and control system

Night capability in direct-fire mode

Headline: Swadesi ATAGS Gun In Seen First Time In Independence Day Celebration In Red Fort

Publication : Spin on News

Date : August 15, 2022

Journalist:

[Swadesi ATAGS Gun In Seen First Time In Independence Day Celebration In Red Fort ANN - \(spinonnews.com\)](https://spinonnews.com)

During the Independence Day celebrations at the Red Fort, a 21-gun salute was given today with 07 British Pounder-Guns and an indigenous 'Atag' Gun. For the first time after 75 years of independence, an indigenous artillery gun was also included in the salute of 21 guns. Till now, a 21-gun salute was given from the British pounder-gun of the Second World War.

The Indian Army has also tweeted a video of the 21-gun salute. The video shows firing from a 07 pounder gun in a moat in the premises of the Red Fort. Along with this, firing is also visible from the Atag gun prepared by DRDO in collaboration with Tata and Bharat-Forge. Gunners of 871 Field Regiment of the Indian Army gave this salute on this special occasion. Let us tell you that for the first time this year, the indigenous artillery gun, 'Atag', has also been included in the 21-gun salute to Prime Minister Modi at the Independence Day celebrations at the Red Fort.

Who designed the indigenous Atag gun?

Atag i.e. Advanced Towed Artillery Gun System (ATAGS or Atag System) has been prepared by the Government Defense Undertaking, Defense Research and Development Organization (DRDO) in collaboration with Tata and Bharat Forge companies. This ATAGS gun of 155 x 52 caliber has a range of about 48 km and is soon going to be part of the artillery of the Indian Army. In the year 2018, the Defense Ministry had approved the purchase of 150 Atag guns for the Army. According to the Ministry of Defense, the fire from the real gun in the Red Fort is 'ceremonial' only. For this, the sound of the cannon and the shell are 'customised'.



Headline: PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts

Publication : Live News Vault

Date : August 15, 2022

Journalist:

[PM Modi hails 'Atmanirbhar' drive as indigenous howitzer debuts | India Information - Live News Vault](#)

With an indigenously-developed howitzer gun booming for the first time in the ceremonial 21-gun salute during the Independence Day ceremony, PM Modi on Monday saluted the ongoing drive by the armed forces towards 'Atmanirbhar Bharat' in defence production and acquisitions. "For the first time after 75 years, a Made-in-India cannon has saluted the tricolour from the Red Fort. Will there be any Indian who will not be inspired by this sound?" the PM said. The home-grown 155mm/ 52 calibre advanced towed artillery gun systems (ATAGS), developed by DRDO with production partners Tata Advanced Systems and **Bharat Forge**, was used along with the British-origin guns traditionally fired till now for the ceremonial salute at the Red Fort.

"Today I want to congratulate the soldiers of my country from my heart. I salute the way Army jawans have shouldered this responsibility of self-reliance in an organised way and with courage. The soldier carries death in his hands. He stands firmly in the middle when there is no gap between death and life," the PM said.

Modi also referred to the three "positive indigenisation" lists notified by the defence ministry, under which the imports of 310 defence products have been progressively banned, as well as the \$375 million export of the BrahMos supersonic cruise missiles to the Philippines inked earlier this year. "The resolution of our country is not small when the armed forces make a list and decide not to import over 300 defence products. In this resolution, I can see the seed of a bright future of 'Atmanirbhar Bharat' that will convert this dream into a banyan tree. Salute! Salute! Salute to our military leadership," he said.

Headline: Independence Day 2022: Indigenous artillery gun 'Atag' was also included in the salute of 21 guns, this happened for the first time

Publication : The Post Reader

Date : August 15, 2022

Journalist:

[Independence Day 2022: Indigenous artillery gun 'Atag' was also included in the salute of 21 guns, this happened for the first time - The Post Reader](#)

Independence Day 2022: During the Independence Day celebrations at the Red Fort, a 21-gun salute was given today with 07 British Pounder-Guns and an indigenous 'Atag' gun. For the first time after 75 years of independence, an indigenous artillery gun was also included in the 21-gun salute. Till now, 21-gun salute was given from the British pounder-gun of the Second World War.

For the first time, indigenously developed Advanced Towed Artillery Gun System (ATAGS) fired during the ceremonial 21 Gun Salute from the premises of Red Fort today.

Who designed the indigenous Atag gun?

Atag i.e. Advanced Towed Artillery Gun System (ATAGS or Atag System) has been prepared by the Government Defense Undertaking, Defense Research and Development Organization (DRDO) in collaboration with Tata and **Bharat Forge** companies. This ATAGS gun of 155 x 52 caliber The range is about 48 kilometers and is soon going to be part of the artillery of the Indian Army. In the year 2018, the Defense Ministry had approved the purchase of 150 Atag guns for the Army. According to the Ministry of Defense, the fire from the real gun in the Red Fort is 'ceremonial' only. For this, the sound of the cannon and the shell are 'customised'.

Headline: I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day

Publication : Daily Prabhat

Date : August 15, 2022

Journalist:

[I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day – Daily PRABHAT](#)

After the ceremonial 21-gun salute to the National Flag at the historic Red Fort on Independence Day on Monday in which a made-in-India gun was used for the first time in 75 years, Prime Minister Narendra Modi hailed the contribution of the armed forces in realising the AatmaNirbhar Bharat in the Defence sector.

PM Modi in his address to the nation from the ramparts of the Red Fort said that all Indians will get inspired and feel empowered on hearing the roar of the made-in-India howitzer gun.

“After 75 years we have heard the proud sound of a Made-in-India weapon in the Independence Day gun salute. I salute the armed forces for this feat. The way they have borne the responsibility for my call for Aatmanirbhar Bharat, I salute them for this,” PM Modi said.

“For how long would we be dependent on the other countries? Aatmanirbhar Bharat is the responsibility of every section of society, every person and every government. Aatmanirbhar Bharat is not a government agenda or a government programme. It is a social movement which we have to carry forward,” the prime minister said.

The Advanced Towed Artillery Gun System (ATAGS) that was used for the ceremonial salute today has been designed by the Centre-run Defence Research and Development Organisation (DRDO) in partnership with **Bharat Forge** Limited, Mahindra Defence Naval System, Tata Power Strategic Engineering Division and public sector unit Ordnance Factory Board (OFB).

The gun is a towed 155 mm/52 calibre howitzer and was first publicly showcased at 68th Republic Day parade on 26 January 2017.

The Prime Minister also saluted the small children who said no to the imported toys and said that Aatmanirbhar Bharat runs through his veins.

“I also salute the children who are saying No to imported toys. When a 5-year-old says ‘No videshi’, Aatmanirbhar Bharat runs through his veins,” he added.

Eulogising India’s journey of Make In India, the Prime Minister highlighted the need to be self-reliant in the energy sector.

“Through the PLI (production linked incentive) schemes, we are becoming the manufacturing powerhouse of the world. People are coming to India to Make In India,” he said.

“We need to be Aatmanirbhar in our energy sector. From solar energy to Mission Hydrogen to adoption to EVs (electric vehicles), we need to take these initiatives to the next level for energy independence,” the Prime Minister added.

Earlier today, PM Modi hoisted the Tricolour at the Red Fort. Prior to that, he inspected the Guard of Honour which was positioned directly in front of the National Flag across the moat below the ramparts.

The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour.

On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar.

Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime Minister. Thereafter, PM Modi inspected the Guard of Honour.

MI-17 helicopters showered flowers at the Red Fort during Independence Day celebrations.

Meanwhile, people are enthusiastically taking part in the 'Har Ghar Tiranga' campaign under the aegis of Azadi Ka Amrit Mahotsav.

The 'Har Ghar Tiranga' campaign commenced on Saturday and will run till Monday.

Headline: What Is The ATAGS, The Indigenous Howitzer Featured In The I-Day 21-Gun Salute?

Publication : Gacialisdiyik

Date : August 15, 2022

Journalist:

[What is the ATAGS, the indigenous howitzer featured in the I-Day 21-gun salute? - in.gacialisdityk.com](https://in.gacialisdityk.com)

In a first, an indigenously developed howitzer gun, ATAG, became part of the 21-gun salute during the Independence Day ceremony at the Red Fort Monday. Developed by the DRDO, the Advanced Towed Artillery Gun System (ATAGS) was used alongside the traditional British-origin '25 Pounders' artillery guns.

Prime Minister Narendra Modi also referred to the gun while speaking about the Atmanirbhar Bharat initiative of the Centre during his Independence Day speech. "Today, for the first time in 75 years since Independence, a Made-in-India artillery gun was used in the 21-gun salute that is given to the tricolour. All Indians will be inspired and empowered by this sound. And that is why, today, I want to thank our Armed forces for carrying the responsibility of Atmanirbharta on their shoulders in an organized manner," the PM said.

#### The 21-gun salute tradition

When the National Anthem is played by the Military Band after the unfurling of the Tricolour at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

#### The 21-gun salute tradition

When the National Anthem is played by the Military Band after the unfurling of the Tricolour at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

Over the years, this 21-gun salute — which are blanks — was fired by the World War era howitzers of British make known as 'Ordnance Quick Fire 25 Pounder' or just '25 Pounder'.

#### Inclusion of ATAGS

This year, two Advanced Towed Artillery Gun System (ATAGS) howitzers joined the battery that fired along with other 25 Pounders, officials have said.

The ATAGS is an indigenous 155 mm x 52 calibre howitzer gun developed by the Defence Research and Development Organisation (DRDO) with its Pune-based facility Armament Research and Development Establishment (ARDE) being the nodal agency.

Howitzers is an umbrella term for a category of long-range artillery guns.

Some practice firing sessions of the ATAGS were held in the run up to the Independence Day celebrations. Officials said that including the ATAGS in the symbolic activity of 21-gun salute is a crucial step in the journey and is significant towards its induction into the Army.

#### Development of the ATAGS

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155 mm artillery gun. With ARDE as the nodal laboratory, other DRDO facilities that joined the development efforts are Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment

(PXE), Centre for Artificial Intelligence and Robotics (CAIR), and Defence Electronics Applications Laboratory (DEAL). The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialised gun system.

After the several tests of the subsystems in the initial phases of development, July 2016 marked a key milestone when the proof-firing of ATAGS was conducted during the technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore.

In August and September 2017, a record target range of around 48 km was achieved at Pokhran Field Firing Range.

The system has subsequently undergone various levels of trials in different weather and terrain conditions. In 2020, the ATAGS reported a mishap during one of its test firing at Pokhran which was probed by the DRDO.

The system is currently undergoing an evaluation by the Directorate General Quality Assurance (DGQA) marking its final stage before the Army places orders for it. The DGQA is a nodal agency for the quality assurance of all arms, ammunition, equipment and stores supplied to the Armed Forces.

#### ATAGS features

The armament system of ATAGS mainly comprises barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunition held by Army with a longer range, accuracy and precision and provides greater firepower.

The ATAGS is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It has advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in the direct fire mode.

During its September 2017 test at Pokhran, the maximum ranges of 38.5 km and 48 km, with boat tail and extended range full bore types of projectiles, were achieved. This, the DRDO officials say, are at least 20% more than ranges achieved by any contemporary gun system. During the same trials, a minimum range of 4.7 km was achieved from the systems meeting the critical parameter of minimum range at high angle. The specialised gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Army.

#### Future role

The development process of ATAGS by the DRDO coincides with development of Howitzer Dhanush for Advanced Weapons and Equipment India of the erstwhile Ordnance Factory Board.

In 2019, the Army and the Ministry of Defence gave bulk production clearance to produce 114 Dhanush. Officials hope that the two flagship products under Make In India — ATAGS and Dhanush — will successfully replace the older systems from the artillery in coming days.

Headline: What Is The ATAGS, The Indigenous Howitzer Featured In The I-Day 21-Gun Salute?

Publication : News Sateek

Date : August 15, 2022

Journalist:

[What is ATAGS, the indigenous howitzer featuring in I-Day 21-gun salute? - News Sateek | News, Tech and Finance](#)

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Headline: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day

Publication : First India

Date : August 15, 2022

Journalist:

[I-Day 2022: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day \(firstindia.co.in\)](https://www.firstindia.co.in)

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The GoC Delhi area conducted the Prime Minister to the Saluting Base where a combined inter-services and police guards presented the general salute to him, following which PM Modi inspected the Guard of Honour. On his arrival in the Red Fort, the Prime Minister was received by Defence Minister Rajnath Singh and Minister of State for Defence Ajay Bhatt and Defence Secretary Dr Ajay Kumar. Later, a combined Inter-Services and Delhi Police Guard presented a general salute to the Prime

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Headline: स्वदेशी तोफ ATAGS ने लाल किल्ल्यावरून दागला बॉम्ब, PM मोदींनी केले कौतुक, जाणून घ्या ताकद

Publication : New Cut

Date : August 15, 2022

Journalist:

<https://newsuncut.tv/indigenous-cannon-atags-fires-bomb-from-red-fort-pm-modi-appreciates-know-strength/>

१५ ऑगस्ट २०२२: १५ ऑगस्ट १९४७ रोजी देश स्वतंत्र झाला. पण यानंतर सुमारे ३० वर्षांनंतर प्रथमच जमिनीवरून हवेत मारा करणाऱ्या क्षेपणास्त्राचा प्रकल्प सुरू करण्यात आला. तेव्हापासून आजपर्यंत भारत स्वदेशी शस्त्रे, क्षेपणास्त्रे आणि रणगाड्यांवर लक्ष केंद्रित करत आहे. स्वातंत्र्याच्या अमृत महोत्सवानिमित्त प्रथमच लाल किल्ल्यावरून स्वदेशी हॉवित्झर तोफांची सलामी देण्यात आली. Advanced Towed Artillery Gun System (ATAGS) असे या तोफेचे नाव आहे. पंतप्रधान नरेंद्र मोदी यांनीही आपल्या भाषणात या तोफांचे कौतुक केले.

या तोफा DRDO च्या शस्त्रास्त्र संशोधन आणि विकास आस्थापना (ARDE), Tata Advanced Systems Limited, Mahindra Defence Naval System आणि **Bharat Forge** Limited यांनी संयुक्तपणे बनवल्या आहेत. ही बंदूक १५५ मिमी/५२ कॅलिबरची आहे. अलीकडेच राजस्थानमधील पोकरन फील्ड फायरिंग रेंजवर याची यशस्वी चाचणी घेण्यात आली. ही तोफ नेऊन कुठेही तैनात करता येते. मग ती पाकिस्तानची सीमा असो किंवा चीनच्या सीमेजवळील लडाख असो.

भारतीय लष्कराकडे सध्या या १५५ मिमीच्या ७ तोफा आहेत. तिची पहिली चाचणी २०१६ मध्ये झाली होती. ४० तोफा मागवण्यात आल्या आहेत. याशिवाय आणखी १५० तोफांची निर्मिती करण्यात येणार आहे. ती चालवण्यासाठी ६ ते ८ लोकांची गरज आहे. बर्स्ट मोडमध्ये १५ सेकंदात ३ राउंड, इंटेंसमध्ये ३ मिनिटांत १५ राउंड आणि संस्टेंड मोड मध्ये ६० मिनिटांत ६० राउंड फायर होतात. त्याची फायरिंग रेंज ४८ किमी आहे. मात्र ती ५२ पर्यंत वाढवण्याचे प्रयत्न सुरू आहेत.

या तोफेचे वजन १८ टन आहे. तिच्या ट्यूब म्हणजेच बॅरलची लांबी ८००० मिलीमीटर आहे. ही उणे ३ अंश ते अधिक ७५ अंशापर्यंत उंची घेऊ शकते. जर HE-BB किंवा हाय एक्सप्लोसिव्ह बेस ब्लीड अॅम्युनिशन त्यात जोडले तर तिची रेंज ५२ किमी पर्यंत वाढते. यात थर्मल साइट आणि गनर्स डिस्प्ले आहे.

ATAGS विकसित करण्यासाठी सुमारे चार वर्षे लागली. तिची ऑर्डिनेंस सिस्टम आणि रिकोइल सिस्टममुळे थोडा विलंब झाला. २६ जानेवारी २०१७ रोजी प्रजासत्ताक दिनाच्या परेडमध्ये ते पहिल्यांदा लोकांसमोर प्रदर्शित करण्यात आले. आतापर्यंत सहा ते सात चाचण्या झाल्या आहेत.

Headline: PM Modi salutes Defence forces after 'Made-In-India' gun used for first time in ceremonial salute at Red Fort on I-Day

Publication : Indian Economic Observer

Date : August 15, 2022

Journalist:

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Headline: On Independence Day, Made-In-India Gun Used In Ceremonial Salute

Publication : Daily World News

Date : August 15, 2022

Journalist:

[On Independence Day, Made-In-India ATAG Gun Used In Ceremonial Salute: 5 Points - Daily World News](#)

For the first time, a made-in-India howitzer gun was part of the 21-gun salute during the Independence Day celebrations at Red Fort in New Delhi on Monday. The Advanced Towed Artillery Gun (ATAG) was used along with British-made 25-Pounders.

Here are five facts about ATAGS:

The towed artillery gun has been developed by Defence Research and Development Organisation (DRDO) and produced by two firms **Bharat Forge** and Tata Advanced Systems Limited.

According to Defence Ministry's release, the armament system of ATAGS mainly comprise barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm calibre ammunitions held by Indian Army with a longer range, accuracy and precision and provides greater fire power.

ATAG is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It will have a firing range of 40 kilometres with advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in direct fire mode.

The DRDO has undertaken the development of the new-generation guns as a part of artillery modernisation programme of Indian Army. Armament Research and Development Establishment (ARDE) in Pune is the nodal laboratory of DRDO for design and development of ATAG along with other laboratories of the defence body.

The gun is expected to be the mainstay of the Indian Army tower howitzer fleet and may also be used to replace the Bofors howitzers.



Headline: What is ATAGS, the indigenous howitzer featuring in I-Day 21-gun salute?

Publication : News Upland

Date : August 15, 2022

Journalist:

[What is ATAGS, the indigenous howitzer featuring in I-Day 21-gun salute? - NewsUpLand](#)

In a first, an indigenously developed howitzer gun, ATAG, will be part of the 21-gun salute during the Independence Day ceremony at the Red Fort.

Developed by the DRDO, the Advanced Towed Artillery Gun System (ATAGS) will be used alongside the traditional British-origin '25 Pounders' artillery guns.

When the National Anthem is played by the Military Band after the unfurling of the Tricolor at the Red Fort by the Prime Minister, a 21-volley gun salute is fired by a ceremonial battery from an artillery regiment.

The tradition of gun salutes originates from the Western navies where guns from the ports and those from incoming ships used to be fired in a particular manner to convey that there was no belligerent intention. This tradition was carried forward as a way of paying respects or for according official welcome to the Crown, royals, military commanders and heads of states. India inherited the tradition from the British rulers who had gun salutes comprising 101 volleys, 31 volleys and 21 volleys, and so on depending on the hierarchy. In India, artillery gun salutes are fired on the Republic Day, the Independence Day and also at the time of oath taking ceremony of the President, among other occasions.

Over the years, this 21-gun salute — which are blanks — was fired by the World War era howitzers of British make known as 'Ordnance Quick Fire 25 Pounder' or just '25 Pounder'.

Inclusion of ATAGS

This year, two Advanced Towed Artillery Gun System (ATAGS) howitzers will be part of the battery that will fire along with other 25 Pounders, officials have said.

The ATAGS is an indigenous 155 mm x 52 caliber howitzer gun developed by the Defense Research and Development Organization (DRDO) with its Pune-based Facility Armament Research and Development Establishment (ARDE) being the nodal agency.

Howitzers is an umbrella term for a category of long-range artillery guns.

Some practice firing sessions of the ATAGS have already been held in the run up to the Independence Day celebrations. Officials said that including the ATAGS in the symbolic activity of 21-gun salute is a crucial step in the journey and is significant towards its induction into the Army.

Development of the ATAGS

The ATAGS project was started in 2013 by DRDO to replace older guns in service in the Indian Army with a modern 155 mm artillery gun. With ARDE as the nodal laboratory, other DRDO facilities that joined the development efforts are Instruments Research and Development Establishment (IRDE), Vehicle Research and Development Establishment (VRDE), Proof and Experimental Establishment (PXE), Center for Artificial Intelligence and Robotics (CAIR) , and Defense Electronics Applications Laboratory (DEAL). The ARDE has collaborated with **Bharat Forge** Limited and Tata Advanced Systems Ltd for the manufacturing of this specialized gun system.

After the several tests of the subsystems in the initial phases of development, July 2016 marked a key milestone when the proof-firing of ATAGS was conducted during the technical trials at DRDO's Proof and Experimental Establishment (PXE) in Balasore.

In August and September 2017, a record target range of around 48 km was achieved at Pokhran Field Firing Range.

The system has subsequently undergone various levels of trials in different weather and terrain conditions. In 2020, the ATAGS reported a mishap during one of its test firing at Pokhran which was probed by the DRDO.

The system is currently undergoing an evaluation by the Directorate General Quality Assurance (DGQA) marking its final stage before the Army places orders for it. The DGQA is a nodal agency for the quality assurance of all arms, ammunition, equipment and stores supplied to the Armed Forces.

#### ATAGS features

The armament system of ATAGS mainly comprises barrel, breech mechanism, muzzle brake and recoil mechanism to fire 155 mm caliber ammunition held by Army with a longer range, accuracy and precision and provides greater firepower.

The ATAGS is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time. It has advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in the direct fire mode.

During its September 2017 test at Pokhran, the maximum ranges of 38.5 km and 48 km, with boat tail and extended range full bore types of projectiles, were achieved. This, the DRDO officials say, are at least 20% more than ranges achieved by any contemporary gun system.

During the same trials, a minimum range of 4.7 km was achieved from the systems meeting the critical parameter of minimum range at high angle.

The specialized gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Army.

#### Future role

The development process of ATAGS by the DRDO coincides with development of Howitzer Dhanush for Advanced Weapons and Equipment India of the erstwhile Ordnance Factory Board.

In 2019, the Army and the Ministry of Defense gave bulk production clearance to produce 114 Dhanush. Officials hope that the two flagship products under Make In India — ATAGS and Dhanush — will successfully replace the older systems from the artillery in coming days.