

‘Tejas world-class fighter jet, plays defined role’

Modifications carried out: HAL chief

The indigenously developed Tejas Light Combat Aircraft is a world class fighter jet and can effectively play its “defined” role in securing Indian skies, its manufacturer Hindustan Aeronautics Ltd (HAL) said on Sunday as the Indian Air Force looked at acquiring a fleet of foreign single-engine jets.

HAL chairman and managing director T. Suvarna Raju said most of the 42 modifications in Tejas sought by the IAF, including weaponisation of the aircraft, had been carried out and asserted that the production of the jet could be stepped up depending on the requirement.

“Tejas is a four-and-half generation world class fighter jet. There is no doubt about it. We can improve its various parameters. We are proud of Tejas. We will ensure enhancement in its quality and performance,” Raju said in an interview.

His remarks came amid views in the IAF that the aircraft was not enough to maintain its combat readiness and it needed to quickly procure a fleet of foreign single engine fighters to deal with any possible security challenges, in the backdrop of the dwindling size of its fighter fleet.

पंजाब केसरी

Mon, 20 Nov, 2017

तेजस विश्वस्तरीय लड़ाकू विमान होगा

नई दिल्ली, (भाषा): देश में ही विकसित हल्का लड़ाकू विमान तेजस एक विश्वस्तरीय लड़ाकू विमान है और यह भारतीय आकाश की सुरक्षा में अपनी निर्धारित भूमिका को कारगर ढंग से निभा सकता है। यह बात आज यहां इसकी विनिर्माता हिंदुस्तान एयरोनॉटिक्स लिमिटेड (एचएएल) ने कही।

कंपनी के चेयरमैन एवं प्रबंध निदेशक टी. सुवर्ण राजू ने कहा कि भारतीय वायुसेना ने तेजस में 42 सुधार करने के लिए कहे थे। इसमें विमान को हथियारों से लैस करने समेत सभी प्रकार के कामों में सुधार के ज्यादातर कार्य किए जा चुके हैं। उन्होंने कहा कि जरूरत के हिसाब से इन विमानों का उत्पादन तेज किया जा सकता है। राजू ने कहा कि तेजस चौथी और पांचवीं पीढ़ी

● भारतीय आकाश की सुरक्षा में अपनी निर्धारित भूमिका को कारगर ढंग से निभाने में सक्षम होगा : भारतीय वायुसेना को 83 विमानों की आपूर्ति के लिये 1300 करोड़ का निवेश कर रही है हिंदुस्तान एयरोनॉटिक्स लिमिटेड

के बीच का विश्वस्तरीय लड़ाकू विमान है। इसे लेकर कोई संदेह नहीं है। हम इसे कई मानकों पर और सुधार सकते हैं। हमें तेजस पर गर्व है। हर भारतीय को इस पर गर्व होगा। हम यह सुनिश्चित करेगी इसकी गुणवत्ता और प्रदर्शन और बढ़िया हो।

राजू का यह बयान ऐसे समय में आया है जब कि कुछ ऐसी रपटें थीं जिनके अनुसार वायुसेना का कहना है कि उसकी लड़ाई की जरूरतों को पूरा करने के लिए तेजस विमान पर्याप्त नहीं है। इसलिए एक

इंजन वाले विदेशी विमान के एक बेड़े को तत्काल खरीदने की जरूरत है, क्योंकि उसके लड़ाकू विमानों की संख्या घट रही है।

वायुसेना का मत है कि उसके पास तरह तरह के लड़ाकू विमान होने चाहिए ताकि मिश्रित बेड़े होना चाहिए, ताकि उसके पास अपने दुश्मनों के खिलाफ बढ़त बनाए रखने का अतिरिक्त साधन हो। वायुसेना ने 40 तेजस का ऑर्डर दिया है और वह बहुत जल्द एचएएल के साथ 83 अन्य विमान खरीदने का समझौता करने वाली

है। हालांकि राजू का कहना है कि एचएएल ज्यादा संख्या में आपूर्ति करने पर ध्यान दे रही है और वह आगे इस विमान को और उन्नत बनाने के लिए तैयार है।

राजू ने कहा कि साढ़े चार पीढ़ी का विमान तेजस वह देने में सक्षम होगा जिसकी इससे उम्मीद है। इस विमान की न्यूनतम आयु 30 वर्ष होगी जो किसी भी अन्य तरह के छोटे लड़ाकू विमान की तरह ही है।

वायुसेना को विमानों की आपूर्ति में देरी के लिए हो रही एचएएल की आलोचना का खंडन करते हुए राजू ने कहा कि कंपनी 83 विमानों की तेजी से आपूर्ति के लिए तैयार है क्योंकि वह अपनी मौजूदा विनिर्माण स्थिति को बढ़ाने के लिए 1,300 करोड़ रुपये का निवेश कर रही है।

Ministry of Defence scraps \$500 million Israeli missile deal, wants DRDO to make in India

By Sushant Singh

The deal, seen as another proof of growing Indo-Israel defence cooperation, was expected to be signed after price negotiations with Rafael Advanced Defence Systems of Israel were completed last year.

Asking the Defence Research and Development Organisation (DRDO) to indigenously develop and produce a Man-Portable Anti-Tank Guided Missile (MPATGM) for the Army, the Ministry of Defence (MoD) has decided to cancel the \$500 million deal for Spike ATGM with Israel. The deal, seen as another proof of growing Indo-Israel defence cooperation, was expected to be signed after price negotiations with Rafael Advanced Defence Systems of Israel were completed last year.

In anticipation of this deal, Rafael had entered into a joint venture with Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August.

Ministry sources told The Indian Express that the decision to cancel the deal was based on the consideration that importing a foreign ATGM at this stage would adversely impact the programme for indigenous development of the weapon system by DRDO. Earlier, India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system.

“DRDO has successfully produced the Nag and Anamika ATGMs. It is confident about providing the Army with an MPATGM of 3rd generation missile technology, at par with Spike, within three to four years. It won’t also need any transfer of technology,” sources said.

The decision to retract the Request for Proposal (RFP), however, will be a setback to the modernisation programme of the Army. In letters to the MoD, the Army headquarters had highlighted “the operational urgency of the equipment”, arguing that the Spike “gives a major capability impetus to troops deployed on the Line of Control, especially in the current operational scenario”.

Spike MR missile is a 3rd generation, fire and forget, top attack, ATGM with a range of 2.5 km, which can operate both during the day and night. The Army is currently using 2nd generation ATGMs — Konkurs and Milan 2T — which do not have night-fighting capabilities. Moreover, the Army currently has a shortage of around 68,000 missiles, with no missiles held as War Wastage Reserves against a government stipulation to build up stocks to last for at least 10 days of intense fighting.

In 2009, the MoD accepted the requirement of buying 321 ATGM launchers and 8,356 missiles, with 30 per cent offsets and a transfer of technology clause. An option of approaching the US for buying Javelin ATGM was also explored, but the US government was not amenable to transfer of technology. Only Rafael of Israel responded, and Spike missiles underwent trials in 2011-12. The ministry accepted the trial evaluation in 2013 and gave clearance for procuring from a single vendor. The US government later tried to offer the Javelin ATGM with transfer of technology but India chose to go ahead with the Israeli system.

Ministry sources said that trials highlighted a problem with one of the two homing devices in the launcher which led to constitution of a study group. The study group presented its report in August 2014, and the ministry agreed in October 2014 to procure the missiles from Rafael.

Price negotiations between Rafael and the MoD started in March 2015. After the prices were finalised in June 2016, then Defence Minister Manohar Parrikar constituted an experts committee to review the evaluation report and explore the possibility of an indigenous missile system. There was divergence in the views of the DRDO representatives and Army representatives in the experts committee over the case. The matter was eventually resolved earlier this month with Army headquarters agreeing to retract the RFP for ATGM launchers and missiles.

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Ministry Of Defence Scraps \$500 Million Israeli Missile Deal, Wants DRDO to Make In India

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In anticipation of this deal, Rafael had entered into a joint venture with Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August.

Ministry sources told The Indian Express that the decision to cancel the deal was based on the consideration that importing a foreign ATGM at this stage would adversely impact the programme for indigenous development of the weapon system by DRDO. Earlier, India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system.

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Defence Ministry likely to scrap \$500-million deal with Israel: The Indian Express

The move is seen as an effort to make India a defence manufacturing hub as the ministry has asked DRDO to develop the missile indigenously.

The Ministry of Defence has decided to cancel a \$500-million (approximately Rs 3,300 crore) defence deal with Israel, *The Indian Express* reported on Monday.

As part of its efforts to make India a defence manufacturing hub, the ministry has asked the Defence Research and Development Organisation to indigenously develop and produce a Man-Portable Anti-Tank Guided Missile for the Army instead of procuring it from Israel.

In anticipation of the deal, which was seen as proof of the rise in co-operation between the two countries, Israel's Rafael Advanced Defence Systems had entered into a joint venture with an Indian firm, and even set up a missile sub-systems facility in Hyderabad. The deal was expected to be signed as soon as price negotiations were finished in 2016, the report said.

Importing a foreign Anti-Tank Guided Missile would hurt the Defence Research and Development Organisation's weapons systems programme, ministry sources said.

Since the DRDO has "successfully produced the Nag and Anamika Anti-Tank Guided Missiles", it is confident about providing the Army with a "Man-Portable Anti-Tank Guided Missile of third generation missile technology, at par with Spike, within three to four years", an unidentified official of the ministry was quoted as saying. "It won't also need any transfer of technology."

Govt junks deal with Israel for Spike anti-tank missiles; asks DRDO to develop ATGM indigenously

New Delhi/Jerusalem: The government has decided to retract the process to acquire a batch of Spike anti-tank guided missiles (ATGM) from Israel for the Army, and asked premier defence research laboratory DRDO to develop it with indigenous technology.

The government has decided to retract the Request for Proposal (RFP) to procure the Spike missiles from an Israeli firm, official sources said. The sources indicated that the proposal to acquire the missile system faced hurdles when Israeli side apparently expressed reservations in ensuring full transfer of technology as per the provisions of the 'Make in India' initiative.

They said the decision to retract the RFP was taken after the DRDO expressed confidence of producing the ATGMs. The DRDO has now been told to work on the project and has been given four years to develop the missile, the sources said.

There was no official comment from the defence ministry on the issue.

India's Kalyani group and Israel's state-run Rafael Advanced Defence Systems had commissioned a Rs 70 crore production facility near Hyderabad in August, anticipating that the Israeli firm would bag the contract.

In Jerusalem, Rafael Advanced Defence Systems said it has not received any communication from India on retraction of the RFP.

"Rafael has not been officially informed of any change in the decision to purchase Spike missiles. Spike is in use with 26 different militaries around the world, and was selected by India after a long and rigorous process, in which it successfully met all the requirements in a wide variety of combat test scenarios," Rafael's deputy spokesman Ishay David told *PTI*.

The defence ministry has been strongly pushing for transfer of technology in procuring various weapons and other platforms from foreign defence majors as part of its broad policy initiative to encourage domestic defence industry. As per the original proposal, India had planned to acquire the ATGMs for the Army at a cost of \$500 million.

The Nation

India scraps \$500m Israeli missile deal, wants DRDO to make in country

Asking the Defence Research and Development Organisation (DRDO) to indigenously develop and produce a Man-Portable Anti-Tank Guided Missile (MPATGM) for the Army, the Indian Ministry of Defence (MoD) has decided to cancel the \$500 million deal for Spike ATGM with Israel, reported The Indian Express.

According to the report, the deal, seen as another proof of growing Indo-Israel defence cooperation, was expected to be signed after price negotiations with Rafael Advanced Defence Systems of Israel were completed last year.

In anticipation of this deal, Rafael had entered into a joint venture with Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August.

Ministry sources told The Indian Express that the decision to cancel the deal was based on the consideration that importing a foreign ATGM at this stage would adversely impact the programme for indigenous development of the weapon system by DRDO. Earlier, India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system.

“DRDO has successfully produced the Nag and Anamika ATGMs. It is confident about providing the Army with an MPATGM of 3rd generation missile technology, at par with Spike, within three to four years. It won’t also need any transfer of technology,” sources said.

The decision to retract the Request for Proposal (RFP), however, will be a setback to the modernisation programme of the Army. In letters to the MoD, the Army headquarters had highlighted “the operational urgency of the equipment”, arguing that the Spike “gives a major capability impetus to troops deployed on the Line of Control, especially in the current operational scenario”.

Spike MR missile is a 3rd generation, fire and forget, top attack, ATGM with a range of 2.5 km, which can operate both during the day and night. The Army is currently using 2nd generation ATGMs — Konkurs and Milan 2T — which do not have night-fighting capabilities. Moreover, the Army currently has a shortage of around 68,000 missiles, with no missiles held as War Wastage Reserves against a government stipulation to build up stocks to last for at least 10 days of intense fighting.

In 2009, the MoD accepted the requirement of buying 321 ATGM launchers and 8,356 missiles, with 30 per cent offsets and a transfer of technology clause. An option of approaching the US for buying Javelin ATGM was also explored, but the US government was not amenable to transfer of technology. Only Rafael of Israel responded, and Spike missiles underwent trials in 2011-12. The ministry accepted the trial evaluation in 2013 and gave clearance for procuring from a single vendor. The US government later tried to offer the Javelin ATGM with transfer of technology but India chose to go ahead with the Israeli system.

Ministry sources said that trials highlighted a problem with one of the two homing devices in the launcher which led to constitution of a study group. The study group presented its report in August 2014, and the ministry agreed in October 2014 to procure the missiles from Rafael.

Price negotiations between Rafael and the MoD started in March 2015. After the prices were finalised in June 2016, then Defence Minister Manohar Parrikar constituted an experts committee to review the evaluation report and explore the possibility of an indigenous missile system. There was divergence in the views of the DRDO representatives and Army representatives in the experts committee over the case. The matter was eventually resolved earlier this month with Army headquarters agreeing to retract the RFP for ATGM launchers and missiles.

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Defence Min Scraps \$500 Million Israeli Missile Deal In Favour of DRDO to 'Make In India'

By Divyia Asthana

The Ministry of Defence has recently cancelled a missiles deal worth \$500 from Israel, asking the Defence Research and Development Organisation (DRDO) to indigenously develop the required Man-Portable Anti-Tank Guided Missile (ATGM) instead.

The deal, expected to be signed after price negotiations with the Rafael Advanced Defence Systems of Israel were completed last year, was being seen as another example of the growing Indo-Israel defence cooperation. Accordingly, Rafael had entered into a joint venture with the Kalyani group to facilitate missile production in August, and the missile sub-systems manufacturing factory was inaugurated in August.

The decision to cancel the deal at this stage was based on the consideration that importing a foreign ATGM would adversely impact the DRDO programme for the indigenous development of weapons system, Defence Ministry sources said to media.

“DRDO has successfully produced the Nag and Anamika ATGMs. It is confident about providing the Army with an MPATGM of 3rd generation missile technology, at par with Spike, within three to four years. It won't also need any transfer of technology,” sources said.

However, the cancellation of the deal will serve as a setback to the modernisation programme of the Army.

Previously, the Army headquarters had highlighted “the operational urgency of the equipment” in letters to the Ministry of Defence, arguing that the Spike “gives a major capability impetus to troops deployed on the Line of Control, especially in the current operational scenario”.

Currently, the Army is using 2nd generation ATGMs, namely Konkurs and Milan 2T and has a shortage of 68,000 missiles. The Spike MR missile is a 3rd generation ATGM with a range of 2.5 km and can be operated in both day and night, while the 2nd generation ATGMs can be operated in the day only.



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Govt scraps \$500 mn Israeli missile deal, to give DRDO a chance

The government has decided to cancel a \$500-million deal for Spike ATGM with Israel and instead give Defence Research and Development Organisation (DRDO) a chance to develop and manufacture the Man-portable Anti-Tank Guided Missile (MPATGM) indigenously in India.

The defence ministry wants the Defence Research and Development Organisation (DRDO) to indigenously develop and build an MPATGM for the Army.

According to the defence ministry, DRDO, which has successfully produced the Nag and Anamika ATGMs, is confident of developing an MPATGM for the Army using 3rd generation missile technology, which would be on par with the Israeli Spike missile.

DRDO has been given three to four years to develop the missile and this would also avoid the need for technology transfer, according to defence ministry sources.

Defence ministry officials say the deal to import missile parts to assemble in India would adversely impact DRDO's programme to develop indigenous weapon system, especially since DRDO has previously produced the Nag and Anamika ATGMs.

India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system.

In fact, Rafael had entered into a joint venture with India's Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August.

The Army had also shown urgency in procuring dependable operational equipment, arguing that the Spike ATGM will boost the capability of troops deployed on the Line of Control. The Army, which currently faces a massive shortage of around 68,000 missiles, however, is not amused at the defence ministry's twists and turns.

The \$500 million deal, which was being witnessed as an example of the growing Indo-Israel defence cooperation, it would have adversely affected DRDO's missile development programme.

Arun Jaitley, who briefly took over from Manohar Parrikar as defence minister had, on 28 May, pitched for building indigenous equipment saying it is essential to deal with various security challenges like insurgency effectively.

"We cannot change our neighbours. And our neighbourhood has thrown up security challenges. We are facing insurgency and war for the last 70 years. Therefore, India needs to become an important defence manufacturing hub," he had said at the 9th convocation of the Defence Institute of Advance Technology (DIAT).

"If the economy requires us to become a manufacturing hub, then security requires us to become a hub for defence manufacturing. This is the area where the country will have to use the vast resources it possesses. We will have to use the large number of academic institutions we have for training minds and cover up the critical gap that still exists," Jaitley had said.

The country has institutions like IITs, DRDO labs and a large number of private institutes which can help it achieve the goal, the minister said. "But the new India is a more confident India, it is not the defensive India. It is India, which is willing to globally integrate, share knowledge, get knowledge from outside," he said.



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(Online)

Govt cancels massive anti-tank guided missile deal with Israel, asks DRDO to 'Make in India'

New Delhi: The Union government is reported to have cancelled a planned massive USD 500 million deal with Israel for Spike Anti-Tank Guided Missile (ATGM). *The Indian Express* newspaper reported on Monday that the Ministry of Defence (MoD) has instead asked the Defence Research and Development Organisation (DRDO) to indigenously develop a Man-Portable ATGM for the Army.

The report said the Spike MR missile is a 3rd generation, fire and forget, top attack, ATGM. It has an operational range of 2.5 kilometres and is capable of being used both during the day and night.

The missile deal had come to be seen as an important milestone in growing Indo-Israel defence ties – it was at the stage of Request for Proposal (RFP) and on the verge of being inked following completion of price negotiations with Rafael Advanced Defence Systems of Israel last year. The report said Rafael had set up a missile sub-systems manufacturing unit near Hyderabad last year in partnership with Kalyani group ahead of the finalisation of the deal. Government sources said the MoD decided to cancel the planned deal in a bid to push indigenous development of weapon systems by DRDO.

It may be recalled that India had earlier said no to an offer by US-based Raytheon-Lockheed Martin for Javelin ATGM and decided to go ahead with the Israeli weapon system. The DRDO, which has in the past developed the successful Nag and Anamika ATGMs, plans to hand over to the Army a 3rd generation MPATGM within the next three to four years. To develop an MPATGM, the organisation would also not require any transfer of technology, sources said. The move, however, is seen as a setback to the Army's modernisation programme. The Army had supported the Spike deal, saying the weapon system would provide it with major capabilities along the Line of Control with Pakistan.



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Govt scraps \$500 mn Israeli missile deal, to give DRDO a chance

The government has decided to cancel a \$500-million deal for Spike ATGM with Israel and instead give Defence Research and Development Organisation (DRDO) a chance to develop and manufacture the Man-portable Anti-Tank Guided Missile (MPATGM) indigenously in India. The defence ministry wants the Defence Research and Development Organisation (DRDO) to indigenously develop and build an MPATGM for the Army. According to the defence ministry, DRDO, which has successfully produced the Nag and Anamika ATGMs, is confident of developing an MPATGM for the Army using 3rd generation missile technology, which would be on par with the Israeli Spike missile.

DRDO has been given three to four years to develop the missile and this would also avoid the need for technology transfer, according to defence ministry sources.

Defence ministry officials say the deal to import missile parts to assemble in India would adversely impact DRDO's programme to develop indigenous weapon system, especially since DRDO has previously produced the Nag and Anamika ATGMs.

India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system. In fact, Rafael had entered into a joint venture with India's Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August. The Army had also shown urgency in procuring dependable operational equipment, arguing that the Spike ATGM will boost the capability of troops deployed on the Line of Control. The Army, which currently faces a massive shortage of around 68,000 missiles, however, is not amused at the defence ministry's twists and turns.

The \$500 million deal, which was being witnessed as an example of the growing Indo-Israel defence cooperation, it would have adversely affected DRDO's missile development programme. Arun Jaitley, who

briefly took over from Manohar Parrikar as defence minister had, on 28 May, pitched for building indigenous equipment saying it is essential to deal with various security challenges like insurgency effectively.

"We cannot change our neighbours. And our neighbourhood has thrown up security challenges. We are facing insurgency and war for the last 70 years. Therefore, India needs to become an important defence manufacturing hub," he had said at the 9th convocation of the Defence Institute of Advance Technology (DIAT). "If the economy requires us to become a manufacturing hub, then security requires us to become a hub for defence manufacturing. This is the area where the country will have to use the vast resources it possesses. We will have to use the large number of academic institutions we have for training minds and cover up the critical gap that still exists," Jaitley had said. The country has institutions like IITs, DRDO labs and a large number of private institutes which can help it achieve the goal, the minister said. "But the new India is a more confident India, it is not the defensive India. It is India, which is willing to globally integrate, share knowledge, get knowledge from outside," he said.



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India scraps \$500 million Israeli Spike ATGM missile deal, prefers DRDO

The deal was signed to strengthen Indo-Israel defence cooperation and Rafale had also entered into a joint venture with Kalyani Group to take this project forward. To push its Make in India initiative, the Indian government has put a full stop on a Dollars 500 million deal with Israel and has instead asked Defence Research and Development Organisation (DRDO) to develop and produce a Man-Portable Anti-Tank Guided Missile (MPATGM) for the army, reports The Indian Express.

India had also rejected an offer from the United States-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system. India's defence ministry, according to Israel Defense, completed price negotiations with Rafael Advanced Defence Systems in May past year and deliveries were expected to be completed 48-60 months thereafter. This decision will be a big setback for Army's modernisation bid as the organisation had been asking for the defence system.

Meanwhile, in several letters to the Defence Ministry, the Army highlighted it's urgency to procure operational equipment, arguing that the Spike ATGM will boost the capability of troops deployed on the Line of Control. Rafael had reportedly opened a missile manufacturing plant in India along with Indian partner. Currently, the Army is using 2nd generation ATGMs, namely Konkurs and Milan 2T and has a shortage of 68,000 missiles. It is a top attack and fire and forget missile system, which betters India's current systems with its day-night capability. The deal included over 8,000 missiles, 300 plus launchers and requisite technology transfer to the Indian entity Bharat Dynamics Limited (BDL) initially.

An option of approaching the U.S. for buying Javelin ATGM was also explored, but the U.S. government was not amenable to transfer of technology. "Rafael has not been officially informed of any change in the decision to purchase Spike missiles". The ministry accepted the trial evaluation in 2013 and gave clearance for procuring from a single vendor. However, the ministry felt later that Indian weapons manufacturers would be able to deliver the weapon system in 3-4 years without even a transfer of technology. Price negotiations between Rafael and the Indian MoD started in March 2015.

Govt not to acquire Spike anti-tank guided missiles from Israel, DRDO roped in

The government has decided to retract the process to acquire a batch of Spike anti-tank guided missiles (ATGM) from Israel for the Army, and asked premier defence research laboratory DRDO to develop it with indigenous technology.

The government has decided to retract the Request for Proposal (RFP) to procure the Spike missiles from an Israeli firm, official sources said. The sources indicated that the proposal to acquire the missile system faced hurdles when Israeli side apparently expressed reservations in ensuring full transfer of technology as per the provisions of the 'Make in India' initiative. They said the decision to retract the RFP was taken after the DRDO expressed confidence of producing the ATGMs.

The DRDO has now been told to work on the project and has been given four years to develop the missile, the sources said. There was no official comment from the defence ministry on the issue. India's Kalyani group and Israel's state-run Rafael Advanced Defence Systems had commissioned a Rs 70 crore production facility near Hyderabad in August, anticipating that the Israeli firm would bag the contract. In Jerusalem, Rafael Advanced Defence Systems said it has not received any communication from India on retraction of the RFP.

"Rafael has not been officially informed of any change in the decision to purchase Spike missiles. Spike is in use with 26 different militaries around the world, and was selected by India after a long and rigorous process, in which it successfully met all the requirements in a wide variety of combat test scenarios," Rafael's deputy spokesman Ishay David told PTI. The defence ministry has been strongly pushing for transfer of technology in procuring various weapons and other platforms from foreign defence majors as part of its broad policy initiative to encourage domestic defence industry. As per the original proposal, India had planned to acquire the ATGMs for the Army at a cost of US\$ 500 million.



Mon, 20 Nov, 2017

(Online)

Centre pulls plug on \$500 million Israeli missile deal, asks DRDO for home-grown weapons

Centre's effort to boost development of indigenous weapon system for the Army took an interesting turn after the Defence ministry canceled a \$500 million Spike Anti-Tank Guided Missile (ATGM) missile deal with Israel.

New Delhi: Centre's effort to boost development of indigenous weapon system for the Army took an interesting turn after the Defence ministry canceled a \$500 million Spike Anti-Tank Guided Missile (ATGM) missile deal with Israel. The ministry has now asked the Defence Research and Development Organisation (DRDO) to produce a Man-Portable Anti-Tank Guided Missile (MPATGM) for the Army. Delivery of the weapon system is expected within the next four years without any transfer of foreign technology.

The deal was cancelled keeping in mind that import of foreign ATGM can adversely impact the programme for indigenous weapon system development launched by DRDO, sources in the ministry told Indian Express. DRDO has previously produced the Nag and Anamika ATGMs.

India had also rejected an offer from US-based Raytheon-Lockheed Martin for Javelin ATGM in favour of the Israeli weapon system. The \$500 million deal was being witnessed as an example of the growing Indo-Israel defence cooperation. Earlier this month, the Indian Air Force or IAF is participated in Israel's largest aerial exercise Blue Flag 2017 for the first time – a sign of increasing ties between the two countries. A 45-member contingent of the IAF, led by Group Captain Maluk Singh VSM, touched down Uvda Air Force Base in southern Israel last week.

Meanwhile, in several letters to the Defence Ministry, the Army highlighted it's urgency to procure operational equipment, arguing that the Spike ATGM will boost the capability of troops deployed on the Line of Control. In anticipation of this deal, Rafael had entered into a joint venture with Kalyani group for missile production in India. The missile sub-systems manufacturing facility, based near Hyderabad, was inaugurated in August. The Army currently faces a massive shortage of around 68,000 missiles.



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(Online)

DRDO Diamond Jubilee Celebrations 2018 – Robotics Expositions & Essay Competition; Submit Entries before Dec 5

DRDO is organizing Mega Events like DRDO Robotics & Unmanned Systems Expositions, National Level Essay Competition, amongst many other for students across India to get recognized at a National platform and celebrate this historical feat.

DRDO Diamond Jubilee Celebrations 2018 – Robotics Expositions & National Level Essay Competition; Submit Entries before 5 December 2017

Defence Research & Development Organisation (DRDO), Ministry of Defence is gearing up for Mega Events for its Diamond Jubilee Celebrations next year – 2018, when the organization will turn 60 Years.

DRDO is organizing Mega Events like DRDO Robotics & Unmanned Systems Expositions, National Level Essay Competition, amongst many other for students across India to get recognized at a National platform and celebrate this historical feat. As per the official notification, the DRDO Robotics & Unmanned Systems Expositions aims at giving a National level recognition & visibility to all participants and give them exposure to fraternity of robotics & unmanned systems.

DRDO has also suggested a 'Possibility to work with DRDO on cutting edge technologies' for the deserving participants. The last date to apply for the same is 15th December 2017 and candidates who possess the skill and technical know-how must apply for DRDO Robotics & Unmanned Systems Expositions. Details of the same can be read at: <https://rac.gov.in/druse/>

For the DRDO National Level Essay Competition, interested candidates must send their entries before 5th December 2017. There are two categories for students to apply for this National Level competition viz: Category-I – 1000 Words - Age 9-12 years

Category-II – 2000 Words - Candidates pursuing Undergraduate and Postgraduate Graduates.
Topic – “DRDO: Achievements and Way Ahead”

Medium – Hindi/English

As per the official notification, the National Level Essay-Writing Competition is aimed at motivating, “the students of this country towards defence technology along with awareness about the achievements and progress made by DRDO for nation building in the past 60 years in various areas of military technology.”

More details for the same can be read at: http://122.252.233.36:8080/drdo60/pdfFiles/comp_essay.pdf



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Mon, 20 Nov, 2017
(Online)

DRDO National Level Essay Competition; Submit Entries before 5 December

DRDO will observe Diamond Jubilee in 2018. In order to celebrate the 60th year of its success journey, the organization is conducting National Level Essay Competition.

NEW DELHI: Defence Research & Development Organisation (DRDO), Ministry of Defence is conducting National Level Essay Competition to celebrate its 60th year. DRDO will celebrate diamond jubilee in 2018. The essay competition is aimed at motivating the 'the students of this country towards defence technology along with awareness about the achievements and progress made by DRDO for nation building in the past 60 years in various areas of military technology.' Interested candidates can submit their entries before 5 December 2017. Details can be found at drdo.gov.in.

The competition will consist of two categories: students of class 9-12 will belong to category 1 and those pursuing graduation and postgraduation will be in category 2. While for those in category 2 the maximum word limit is 2000 words, for other candidates it will be 1000 words.

The topic of the essay is 'DRDO: Achievements and Way Ahead' and candidates can either use Hindi or English as a medium of essay writing. 60 essays will be considered and each winner will be awarded an honorarium cash of Rs.2000 and a certificate. Names of the winners will be published on DRDO website.

Entries must be submitted at the online portal of MyGov website before the deadline.



Mon, 20 Nov, 2017

(Online)

Participate in DRDO's National Level Essay Competition, register before December 5

A national level essay competition is being organised by the Defence Research & Development Organisation (DRDO), Ministry of Defence to celebrate its 60th year. The objective of this essay competition is to sensitize and motivate the students of this country towards defence technology along with awareness about the achievements and progress made by DRDO for nation building in the past 60 years in various areas of military technology.

Interested candidates can submit their entries before December 5 at the official website www.drdo.gov.in. A total of 60 essays will be selected and all the winners will be awarded a cash prize of Rs 2000 each. Topic of the essay is DRDO: Achievements and Way Ahead.

Note - Students between class 9 and 12 standard are requested to hashtag #Category1 while submitting their entries

- Students who are pursuing graduation/post graduation are requested to hashtag #Category2 while submitting their entries.
- Names of the winners will be published on DRDO website.

About - DRDO is an organisation dedicatedly working towards enhancing self-reliance in defence systems and undertakes design and development leading to the production of world class weapon systems and equipment in accordance with the expressed needs and the qualitative requirements laid down by the three services.