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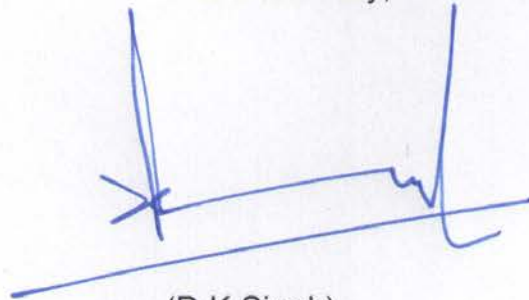
Dec 2022

**RESPONSE TO PRE-BID QUERIES ON REQUEST FOR TECHNO-COMMERCIAL  
PROPOSAL FOR PROCUREMENT OF QUANTITY 29,762 NIGHT SIGHT (IMAGE  
INTENSIFIER) FOR ASSAULT RIFLES UNDER BUY (INDIAN -IDDM) CAT AND  
EXTENSION OF DATE FOR SUBMISSION OF BIDS**

Dear Sir/Madam,

1. Reference is made to Request for Technical and Commercial Proposal Procurement of Quantity 29,762 Night Sight (Image Intensifier) for Assault Rifle under Buy (Indian - IDDM) uploaded on MoD & Indian website on 05 Jul 2022.
2. Response to the pre-bid queries raised by vendors is enclosed as Appendix to this letter (20 pages).
3. Bids to be submitted positively by 1500hrs, 27 Dec 2022.

Yours faithfully,



(D K Singh)  
Col  
Dir 'C'  
O/o ADG Acq Tech (Army)

**Enclosure:** As above.

**Appendix**

(Refer ADG Acq Tech Additional Director General  
Acquisition Technical (Army) letter No  
20127/NS(II)Aslt/TM (LS)/Inf dated 06 Dec 2022)

**RESPONSE TO PRE-BID QUERIES ON RFP : PROCUREMENT OF QTY 29,762 NIGHT SIGHT (II) FOR ASLT RIF**

Ser No	RFP Ref	Question	Response provide by	Response
<b><u>M/s Alpha Design Tech. Pvt. Ltd</u></b>				
1.	<b>Appendix A, Para No 1 Range</b>	As it is sought in RFP for human target engagement upto 500 meters, the detection and recognition ranges should be 500 m & 400 m wrt II Tubes supplied by BEL XD-4 / XR-5.	Inf Dte	As per RFP parameters. No change.
2.	<b>Appendix A, Para No. 3 Zeroing</b>	Practice firing opportunity to be given before submission 04 months from the date of submission of samples for checking the reticle and zeroing? Manufacturing reticle require minimum 03 months.	DGCD/CD-4	Practice firing can be undertaken by the firm based on the procedure outlined in SOP on Allotment and Utilisation of Proof and Field Firing Ranges by Private Industry. The SOP is available on MoD website. Link for the same is <a href="https://dggadefence.gov.in/sites/default/files/2022-03/SOP-Allotment-of-Proof-ranges.pdf">https://dggadefence.gov.in/sites/default/files/2022-03/SOP-Allotment-of-Proof-ranges.pdf</a>
3.	<b>Appendix A, Para No. 4 Reticle Pattern</b>	(a) To provide this facility of reticle pattern, we require ballistic details of 7.62x51mm bullet. We request you to provide ballistic details.	DGQA	Ballistic data obtained from OEM of Sig 716 Aslt Rif alongwith technical data of Cart 7.62mm NATO ball M-80 is attached as <b>Appendix A</b> .
		(b) The sight is to be provided with reticle having pattern of bullet drop compensator (BDC) upto 500 meters or 800 meters? Please clarify.	Inf Dte	As per RFP parameters the BDC is upto 500m.
		(c) We understand that the reticle should have range estimation markings from 100m to 800m with a 100m interval for Human Target of 1.8m hight, kindly clarify.	Inf Dte	For trials human target of size 180 cm will be considered.

Ser No	RFP Ref	Question	Response provide by	Response
		(d) Upto what ranges will the firing trials checked for and how many rounds and chances?	DGCD/CD-4	The range for firing trials will be as per the range of the weapon. It will start from 100m, 200m, 300m, 400m and 500m. 10 rounds for each range with three attempts.
4.	<b>Appendix A, Para No. 6 (I) Eye Relief</b>	Please specify the eye relief distance as this will decide the length of the eye guard in turn the total length of sight?	Inf Dte	Eye Relief should be adequate to enable use of Night Sight while firing without any adverse effect on firer due to recoil of the weapon.
5.	<b>Appendix A, Para No 7 (d) Focus Adjustment of OG</b>	Generally for aiming sights the Objective Glass (OG) will be in fixed condition.	CD-4 & Inf Dte	Focus adjustment of OG is provided with a self-locking mechanism for the user. Adjustment of focus is required for the maintenance echelons for facilitating repairs.
6.	<b>Appendix A, Para No 9 Battery Status Display</b>	The battery status is indicated by the reticle illuminator within the sight, the color of the reticle will change when battery status is low. Kindly clarify if this is acceptable.	Inf Dte	Normally, blinking/flickering of reticle depicting low battery status is clearly distinguishable. The change in colour of the reticle may not be clearly perceivable to a person especially under operational conditions.
7.	<b>Appendix A, Para No 10(a) Length</b>	Please clarify the following points :- (a) Is length of OG Dust Cap & Eye Guard considered for total length of sight ?	CD-4 & Inf Dte	No.
		(b) If Eye guard is included what is the position to be considered while measuring the length? Is it fully retracted or fully contracted ?		Length of Night Sight will be measured without Dust Cap/ OG Cover and Eye Guard.
8.	<b>Appendix A, Para No 10(d) Carriage and Transportation</b>	What are the certifications or tests to be performed on the soft case and hard case for transportation? The same may please be specified.	CD-4 & DGQA	For soft case CoC may be accepted alongwith NABL/Govt accredited lab test reports. For Hard case certain climatic and durability tests will be carried out which will be mutually finalised with the vendors at the time of ATP finalization.
9.		Can we submit multiple samples with Combination of different II Tubes/ Objective Assys ? What is the maximum no of samples each	CD-4 & ADG Acqn Tech (Army)	Vendors can submit only one EUT.

Ser No	RFP Ref	Question	Response provide by	Response
		company can submit ?		
<b><u>M/s Darsh Aerospace Private Limited</u></b>				
10.	<b>Para 2, Appx G</b>	During trials are the sights to be submitted with 50% IC content or can they be a foreign OEM version where 50% IC will be achieved during production in India.	ADG Acqn Tech (Army)	This procurement being Buy India-IDDM, the EUT submitted is required to be IC complaint as per RFP and provisions of DAP 2020.
<b><u>M/s ICOMM Tele Limited</u></b>				
11.	<b>RFP Page No. 8 and Ser No 7</b>	<b><u>INDIGENOUS CONTENT</u></b> : II Tubes min IC content to be of 30% : To show a min of 30% of IC content a huge investment for the purchase of machinery, manpower, and infrastructure is required being MoD is the only customer for these II tubes. Can 30% of the IC content be shown after receiving the supply order. To prove we will submit MOU between the firm and II tube manufacturer along with Tender documents.	ADG Acqn Tech (Army)	This procurement being Buy Indian-IDDM the II tube is required to be IC complaint as per RFP and provisions of DAP 2020.
12.	<b>RFP Page No. 22 and S. No 6 (h) &amp; (j) of Appendix A</b>	<b><u>MAGNIFICATION AND FIELD OF VIEW.</u></b> Min Magnification 4X. FOV 8 Deg, for a detection Range Requirement of 600m under starlight conditions is very tight. Can we request the FOV requirement to 6 Deg. Min. Or -2 Deg. Tolerance to achieve the best non distorted image to meet the range requirement of 600m and for firing at 500m.	Inf Dte	As per RFP parameters. No change.
13.	<b>RFP Page No. 22 and S. No 8 (c) of Appendix A</b>	<b><u>ENDURANCE OF THE BATTERY.</u></b> The endurance of the battery will be checked with the batteries provided by us not the commercially available batteries.	CD-4 & DGQA	The evaluation of endurance of the sight will be with the batteries provided with the sight. The sight should also work with commercially available batteries in the same housing.
14.	<b>RFP Page No. 23 and S. No 9 of Appendix A</b>	<b><u>BATTERY STATUS DISPLAY.</u></b> At what all stages of the battery power indicator are required to be displayed i.e. 100% Battery	DGQA/CD-4	Refer Ser No 6.

Ser No	RFP Ref	Question	Response provide by	Response
		Life Green, 50% Battery Life Orange, and Red if the battery life is zero or just Red indicator before 15-30 min of battery life. Otherwise, we can say Low Battery Indicator.		
15.	<b>RFP Page No. 44 and S. No 11 (a)</b>	<b><u>ENVIRONMENTAL STANDARDS.</u></b> Under Environmental and Durability Tests 11 (a) it is indicated High and Low temperature test (operation and storage) will be carried out. In the tender, it is indicated the storage temperature as per the tender are to be provided by the firms to maintain the service life of the equipment. (Part –I, S. No 12 of RFP). At what Storage temperatures the sights will be tested?	DGQA	High and Low temperature (Operation & Storage) test will be carried out as per JSS-5855-11-2019 (Rev-1) Class LI2.
16.	<b>RFP Page No. 44 and S. No 11(a)</b>	<b><u>ENVIRONMENTAL STANDARDS :</u></b> For Sealing Test 11(a) 7 – How much pressure is applied for the seal test?	DGQA	Sealing test will be carried out as per JSS-5855-11-2019 (Rev-1) Class LI2.
17.	<b>RFP Page No. 44 and S. No 11(a)</b>	<b><u>AS PER FOOT NOTE OF PG 46 FOOT NOTE (D) IT IS INDICATED “SEQUENCE, SEVERITY &amp; DURATION OF TESTS AS PART OF ENVIRONMENTAL &amp; DURABILITY TESTS WILL BE INTIMATED DURING PRE TRIAL MEETING”</u></b> The pre trial meeting will happen after the submission of the samples. We request this to be provided at the pre-bid meeting itself so that we can test our samples in the same Sequence, severity & duration to ensure our samples meet the requirements.	DGQA/ CD-4	As per JSS-5855-11-2019 (Rev-1) Class LI2.
18.	<b>Additional Query</b>	As BELOP is a DPSU and MOD has nominated BELOP as a buyer nominated equipment in all NVDs required in defence orders, We request for a transparent price	ADG Acq Tech (Army)  MoD (Fin)	No BNE laid down in the instant case.

Ser No	RFP Ref	Question	Response provide by	Response
		from BELOP for this specific tender.		
<b><u>M/s Bharat Electronics Limited (BEL)</u></b>				
19.	<b>RFP Page No 2, Para Ref 3 (d) Minimum IC Content</b>	II Tube is the most critical part of the weapon sight. The present acquisition category being "Buy-Indian IDDM", the applicable IC for II tube may please be mentioned as 50% (Min) which is in-line with indigenous sourcing. The present IC of 30% (Min) for II tube is equivalent to Buy (Global)-Indian vendor.	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.
20.	<b>RFP Page No 3, Para Ref 3 (g) Earnest Money Deposit</b>	In-case more than one model is offered, it is understood that it is suffice to submit one EMD for a vendor. Please clarify.	ADG Acqn Tech (Army)  MoD (Fin)	Vendors can submit only one EUT.
21.	<b>RFP Page No 3, Para Ref 6</b>	The applicability of participation of <b><u>Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEM) in</u></b> Buy (Indian-IDDM) cases may please be clarified.	ADG Acqn Tech (Army)	Not applicable.
22.	<b>RFP Page No 8, Para Ref. Part I 7</b>	At which stage of the procurement process, the audit is planned may please be clarified.	ADG Acqn Tech (Army)	Refer Para 10 Appendix B Chapter 1 of DAP 2020.
23.	<b>RFP Page No 8, Para Ref. Part I 7</b>	It is requested that the IC on Night Sight (II) and on II tubes individually may please be mentioned as min. 50%. The present IC of 30% (Min) is equivalent to Buy (Global)-Indian vendor.	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.

Ser No	RFP Ref	Question	Response provide by	Response
24.	<b>RFP Page No 8, Para Ref. Part I 8 Year of Production</b>	Year of manufacturing of II tube may please be asked specially to avoid refurbished II tubes.	ADG Acqn Tech (Army)	Refer Para 8 of RFP.
25.	<b>RFP Page No 9&amp;10, Para Ref. 15 &amp; 16 Training of crew and maintenance personnel</b>	<p>PNS being a simple instrument in the operational and Maintenance perspective, the training period may be mentioned as below :-</p> <ol style="list-style-type: none"> <li>1. User training : 2 days per each batch</li> <li>2. Maintenance training (Field level) – 2 days per each batch</li> <li>3. Maintenance training (Base level) – 6 days per each batch</li> </ol> <p>Maintenance training may be proposed before despatch of SMT/STEs.</p>	TG EME	As per RFP. No change.
26.	<b>RFP Page No 10, Para Ref. 17 Government Regulations</b>	<p>The dependency on imported kits is maximum with the IC of 30% (Min) leading to regulations / restrictions of the kits. This also impacts the product support.</p> <p>If the IC is increased to 50%, the dependency on the importing the kits will be minimized.</p>	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.
27.	<b>RFP Page No 10, Para Ref. 18</b>	If the IC is increased to 50%, the dependency on the importing the kits will be minimized.	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.
28.	<b>RFP Page No 13, Para Ref. Part II 28 Operational Characteristics</b>	“I.I. Tube Diameter” may please be re-phrased as “Useful Photocathode Diameter of I.I. Tube”	Inf Dte	As per RFP parameters. No change.

Ser No	RFP Ref	Question	Response provide by	Response
	and Features			
29.	<b>RFP Page No 13, Para Ref. Part II 28 Operational Characteristics and Features</b>	It is requested to include that the I.I. Tube to be used in the Night Sight, to be compliant to MIL-I-49052F, for all the performance, Environmental and Reliability Parameters, unless otherwise specified in this RFP.	DGQA	Agreed. However Sight will be checked as per JSS-5855-11-2019 (Rev-1), Table No. LI2.
30.	<b>RFP Page No 15, Para Ref. Part II 39</b>	It may please be clarified that the IC in Night Sights and II tube as required in the RFP also applies to the six samples to be provided for evaluation.  As also seen in previous recent RFPs for Night Sights, it should also be a condition in this RFP to ensure min IC as stipulated, in the six nos of samples as well.	ADG Acqn Tech (Army)	Each vendor is required to submit an undertaking to comply with indigenous design as per Appendix A to Chapter I of DAP 2020. Minimum IC will be guided by the provisions of DAP 2020 including IC for EUT.
31.	<b>RFP Page No 16, Para Ref. Part II 40 (b) Technical Trials</b>	To ensure reliability of II tubes, II tubes may please be evaluated under the aegis of DGQA for parameters laid down in the ATP, including for environmental parameters as per Mil Standard, for image quality and other parameters as also stated in the given RFP. The applicable climatic and durability tests are available with DGQA.	CD-4 DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
32.	<b>RFP Page No 16, Para Ref. Part II 42 Quality Assurance Instructions &amp; Technical Evaluation Plan</b>	To ensure reliability of II tubes, II tubes may please be evaluated under the aegis of DGQA for parameters laid down in the ATP, including for environmental parameters as per Mil Standard, for image quality and other parameters as also stated in the given RFP.	CD-4 DGQA	Same as Ser No 31 above.



Ser No	RFP Ref	Question	Response provide by	Response
33.	<b>RFP Page No 21, Para Ref. Appendix A, 1 Range</b>	<p>Range performance to be carried-out at under Starlit (Min 1mlux) and Medium Contrast.</p> <p>To either detect / recognise the target, it is essential to have a moving target.</p> <p>Hence, for Recognition : Single Human Walking may please be mentioned.</p>	CD-4	Evaluation will be conducted both on static and moving tgt.
34.	<b>RFP Page No 22, Para Ref. Appendix A, 7(d) Features : Focus adjustment of OG</b>	<p>1. Zeroing of the Sight will be done at 100Meters. So Focusing of OG is not required as OG will set at Infinity Focus (From 100Meters to Infinty).</p> <p>2. If it is essential to have focus adjustment in OG, minimum focussing distance may please be mentioned.</p>	CD-4	Minimum Focus distance (at infinity focusing): ≤ 100 meters.
35.	<b>RFP Page No 23, Para Ref. Appendix A, 10 (a) Length</b>	Generally, while measuring the length, OG Cap and Eye Guard are not included. Please Confirm.	Inf Dte	Length of Night Sight will be measured without Dust Cap/ OG Cover and Eye Guard.
36.	<b>RFP Page No 23, Para Ref. Appendix A, 10 (b) Weight</b>	Generally, while measuring the weight of the sight, OG Cap and Eye Guard are not included. Please Confirm.	Inf Dte	Weight of Night Sight will be measured without Dust Cap/ OG Cover and Eye Guard.
37.	<b>RFP Page No 23, Para Ref. 11 (a) Environmental and Durability Tests</b>	Under the aegis of DGQA, separate evaluation for II tubes may please be planned for environmental testing as per Mil 49052 F standards.	CD-4 DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.

Ser No	RFP Ref	Question	Response provide by	Response
38.	<b>RFP Page No 28, Para Ref. Appendix F Product Support</b>	<p>With the IC at 30%, there is a increased dependency on the foreign suppliers.</p> <p>In order to maintain and provide support, IC may please be fixed at 50% (Min) so that timely product support is ensured.</p>	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.
39.	<b>RFP Page No 37, Para Ref. Appendix G Trial Methodology</b>	<p>Please confirm that the Trial Equipment (Qty 6) also need to comply to the IC criteria of min. 50% with IDDM on PNS and of min. 30% on II tubes.</p> <p>As also seen in previous recent RFPs for Night Sights, it should also be a condition in this RFP to ensure min IC as stipulated, in the six nos of samples as well.</p>	ADG Acqn Tech (Army)	Each vendor is required to submit an undertaking to comply with indigenous design as per Appendix A to Chapter I of DAP 2020. Certificates will be checked during the TEC stage.
40.	<b>RFP Page No 41, Para Ref. Annexure (Refer Para 11 (a) &amp; 22 of Appx G of RFP) Broad Trial Plan</b>	In order to ensure reliability of II tubes, the parameters along with climatic and durability tests may please be evaluated under the aegis of DGQA.	CD-4  DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
41.	<b>RFP Page No 59, 60 &amp; 61, Para Ref. Annexure V to Appendix H 2 (i) Delivery schedules of MRLS</b>	<p>The vendor is mandated to maintain the sights during its warranty period. For Ex : first batch of sights (supplied during T+6 to T+12 months) till T+30 to T+36 months (Warranty is for 24 months).</p> <p>MRLS items are required after the expiry of warranty period i.e. after T+30 months.</p> <p>As per RFP First batch of MRLS is to be supplied by T+18 months. If MRLS is supplied by T+18, MRLS will remain unutilised upto T+36 months and loose the warranty also.</p>	TG EME	As per RFP. No change.

Ser No	RFP Ref	Question	Response provide by	Response
		Hence, the time lines for MRLS may please be realigned w.r.t. warranty of main equipment.		
42.	<b>RFP Page No 61, Para Ref. Annexure V to Appendix H 2 (ii)</b>  <b>Delivery schedules of SMT/STEs</b>	<p>The vendor is mandated to maintain the sights during its warranty period. For Ex : First batch of sights (supplied during T+6 to T+12 months) till T+30 to T+36 months (Warranty is for 24 months). Hence, SMT/STEs are required from T+30 months onwards.</p> <p>As per RFP SMT/STEs are to be supplied along with first batch of main equipment i.e. T+6 months to T+12 months. The SMT/STEs will remain unutilised till T+30 to T+36. Also, leading to expiry of warranty for SMT/STEs.</p> <p>Hence delivery of SMT/STEs may please be re-aligned w.r.t. warranty of main equipment.</p>	TG EME	As per RFP. No change.
43.	<b>RFP Page No 66, Para Ref. Appendix J 2 (h)</b>  <b>Cost of RIPL</b>	<p>The price bid format as prescribed in DAP 2020 do not have RIPL. Hence, Price bid format may please be amended.</p> <p>Since RIPL is part of LCSC, it is requested to consider LCSC with the L1 vendor.</p>	TG EME	As there is no LCSC, cost of RIPL is not relevant.
44.	<b>RFP Page No 66, Para Ref. Appendix J 2 (i)</b> <b>Total Cost</b>	It is understood that the total was mentioned erroneously as Total of serial A to M. As Total cost should be limited to sum of (a,b,c,d,e,f,g,j,k) only – please confirm	ADG Acqn Tech (Army)  MoD (Fin)	Total cost is the sum of Serial number a,b,c,d,e,f,g,j,k and m.

Ser No	RFP Ref	Question	Response provide by	Response
45.	<b>RFP Page No 81, Para Ref. Appendix L (Refer to Para 6 of RFP) Criteria for Vendor Selection / Pre-Qualification</b>	<p>Considering the complexity and criticality of the II tube, the indigenous supplier of II tube should also be compliant to the Technical criteria stated in Appendix L, and should be a manufacturing entity of II tubes (not a trader) with min. 2 years experience in manufacturing of II tubes.</p> <p>The II tube supplier must have an existing facility for manufacturing, testing and repair of II tubes. The same should be audited by competent authorities at the TEC stage.</p>	ADG Acqn Tech (Army)	<p>As per RFP. Refer Appendix L (Refers to Para 6 of RFP).</p> <p>Also refer Para 10 Appendix B Chapter I of DAP 2020.</p>
46.	<b>RFP Page No 88, Para Ref. 1(g) Climatic and Durability Tests</b>	To ensure the reliability of the II tubes, II tubes may please be evaluated for environmental parameters as per Mil 49052F standards by DGQA as per the approved ATPs.	CD-4 DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
47.	<b>RFP Page No 88, Para Ref. 2 (b)</b>	The II tube should also undergo environmental tests for reasons stated above and be checked visually and functionally before and after each environmental test.	DGQA	
<b><u>M/s Reliance Defence Limited</u></b>				
48.	Part I, Sub – Para 3(d), Page No. 2 Minimum IC Content	<p>(i) Please clarify what is meant by “Source of II tube will be Indigenous?” As per our understanding, II tubes are currently being made in India by BELOP. Does it mean that all companies will source the II tubes from BELOP only or procurement from other sources meeting the 30% IC is permissible?</p> <p>(ii) As minimum 30% IC in II tube is mandatory, please clarify the mechanism to validate this content on II tube being</p>	ADG Acqn Tech (Army)	<p>Source of II tube will be indigenous with minimum 30% IC.</p> <p>No BNE laid down in the instant case.</p>

Ser No	RFP Ref	Question	Response provide by	Response
		<p>sourced locally.</p> <p>(iii) We were being provided the yearly price list of II tubes being produced by BELOP. It is requested that price list for current FY 22 – 23 be shared in order to ensure cost parity to all participating companies.</p>		
49.	Part I, Sub – Para 8, Page No. 8 Year Production of	Please clarify how this parameter would be validated on sights with refurbished II tubes fielded for the program.	DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
50.	Para No. 17 , Page No. 10 Government Regulations	<p>(i) As there is a min. of only 30% IC in the II tubes, there will be a need to import modules/ kits of II tubes. Some of the sources for procurement of II tubes or its parts are from countries like Russia, France, Netherlands, and United States. The export of II tubes from such countries is controlled and at times subject to audit. It may please be confirmed if post clearance of audit (End Use Control) whether import of II tubes of its parts from these countries into India is acceptable?</p> <p>(ii) II tubes and its parts are also manufactured in China. It may please be specified whether II tubes or its kits/ modules/ components are permitted to be imported from China? If not, then please share what measures shall be taken to ensure that no vendor offers Chinese origin II tubes or modules/ components directly sourced from China, or routed through some other countries, to have a price advantage.</p>	ADG Acqn Tech (Army)	<p>End User is Indian Armed Forces as per para 7 of Appx A of Chapter II of DAP 2020.</p> <p>Any import restrictions in this regard will be guided by the Policies of government of India.</p>

Ser No	RFP Ref	Question	Response provide by	Response
51.	Part II, Sub – Para 40(b), Page No. 16 Technical Trials	In order to ensure reliability of II tubes to the maximum extent possible, it is important to test the II tubes separately also for all the listed parameters and subjected to MET Evaluation. This will help establish to a large extent if the II tube or its components are refurbished or from the grey market. Please clarify upon the following:- (i) What methodology and range of tests will be used to calculate the deterioration rate of II tube? (ii) How much deterioration rate of FoM is acceptable (yearly) in terms of percentage loss for II tubes for achieving 10,000 hours of operation or 10 years, whichever is earlier?	DGQA TGEME	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. Functional, Climatic & durability tests are carried out as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will also be trial evaluated during the FET as per Trial Directive for all technical and operational parameters  Deterioration Rate of FOM will be acceptable as per International Standards and will be evaluated as per MIL STD 49052F and as per various evaluation procedures given out in DAP 2020
52.	Appendix A, Para 6(e), Page No. 22 “High Light Resolution	We are in a position to supply the PNS having II tube with a min. High Light Resolution 55 lp/mm. The High Light Resolution plays a key role in operational scenarios, giving advantage to the end user compared to its adversaries while also protecting the eyes of the soldier when exposed to sudden high light levels. Please clarify whether price preference in form of EPP can be awarded.	Inf Dte	As per RFP parameters. No change.  The EPP of the sight is given at Para 14 of Appx A of RFP.
53.	Appendix F, Page No. 28 Product Support”	The II tube is the most critical, costly and complex component of the PNS. It is important that the II tube supplier also has indigenous repair, maintenance and testing capability (upto component level). The facility infrastructure will cater to provide Life Cycle Support for repair, maintenance, service and testing of II sights and tubes. Please clarify whether this would also	ADG Acqn Tech (Army) / TG EME	The 30% IC in II tube is of the component. II tube is indigenous with minimum 30% IC in the II tubes as per RFP.

Ser No	RFP Ref	Question	Response provide by	Response
		constitute towards meeting the 30% IC in II tubes?		
54.	Annexure (Refer Para 11 (a) & 22 of Appx G of RFP), Page No. 41 "BROAD TRIAL PLAN	In order to ensure reliability of II tubes to the maximum extent possible, it is important to test the II tubes separately also for all the listed parameters. This will help in establishing to a large extent if the II tube or its components are refurbished or from the grey market. DGQA as well as MET evaluation can be undertaken as during MET individual part and assembly it can be physically checked and origin confirmed. Please clarify upon the following:- (i) What methodology and range of tests will be used to calculate the deterioration rate of II tube? (ii) How much deterioration rate of percentage loss for II tubes for achieving 10,000 hours of operation or 10 years, whichever is earlier?	CD-4 DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
55.	Para I, Page No. 2	Are the 'Lens Cover' and 'Eye Guard' to be supplied in addition to the ones already fitted on the sight?	Inf Dte	Only one set to be provided as part of the main equipment. Ref Para 1 of RFP.
56.	Para I, Sub – Para 3(d), Page No. 2	Will the 100% cost of Indigenous II Tube be considered towards Indigenous Content of the Sight?	ADG Acqn Tech (Army)	As per Para 1 Appendix B to Chapter I DAP 2020.
57.	Appendix A, Para 4, Page No. 21	Is the BDC reticle required from 100m to 500m or from 100m to 800m?	Inf Dte	As per Para 4, Appx A of RFP, the BDC is required from 100m to 500m and range estimation upto 800m.

Ser No	RFP Ref	Question	Response provide by	Response
58.	Appendix A, Para 4, Page No. 21	Should the 'Range Estimation Reticle' be from 100m to 800m with 100m intervals?	Inf Dte	Yes.
59.	Appendix A, Para 8(d), Page No. 23	What is the value of DC voltage at which the charger will be used to charge the batteries?	DGQA	It depends upon the type of battery and battery charger offered by the vendor and same will be verified during trials. Generally II Tube works in 3±0.3 V DC. As such the vendor accordingly shall provide the battery along with the charger.
60.	Appendix A, Para 8(e), Page No. 23	As per this Para, the sight should also function with 'Commercially Available Batteries'. Our sight uses the rechargeable batteries which are commercially available. Hence, we understand that there is no need for the sight to function with any additional commercially available batteries. Please confirm.	Inf Dte\ DGQA	As per Para 8, Appx A of RFP, the sight should be able to function with commercially available rechargeable battery.
61.	Appendix A, Para 9, Page No. 23	Our sight shows low battery status by the blinking of reticle. Please clarify whether any rate for blinking is desired?	Inf Dte	It should be clearly perceivable by person with normal vision.
62.	Appendix A, Para 10, Page No. 23	Please clarify whether the length and weight of the sight be measured with OG and Eye guard?	Inf Dte	Length and weight of Night Sight will be measured without Dust Cap/ OG Cover and Eye Guard.
63.	Appendix L, Para 1(d) and Para 2(a-d) Page No. 81	Please confirm for a consortium participating in this program whether the credentials of partner which is not the prime will be acceptable to meet the requirements.	ADG Acqn Tech (Army)  MoD (Fin)	Refer Para 3(d) of Annexure IV to Appendix A Chapter II of DAP 2020.
<b><u>M/s Ordnance Factory Dehradun</u></b>				
64.	RFP Page No 2, Part I, 3(d) Minimum IC Content required	OFD is working in the field of II tube since 30 years and till date only one source of II tube is there, who claims to have 60% indigenous content.	ADG Acqn Tech (Army)	30% IC content is specific to II tube. Overall for the sight, 50% IC has been laid down in line with Buy-Indian IDDM category in DAP 2020. As per RFP.



Ser No	RFP Ref	Question	Response provide by	Response
		<p>With the reduction in IC content to 30% there is a fair doubt many new OEMs may emerge to manufacture the tube because 30% indigenous content can be achieved simply by making the power supply PCB and external packaging of device only, which are non-critical parts of the II tube. Thus many OEM's will procure the II tube (minus power supply PCB etc) which will lead to Pseudo Indigenization.</p> <p>It is seen with the experience that any low quality components used in tube may create the reliability in long run which are visible after usage of 03 to 04 years. Hence it is proposed that with the clause of 30% in the IC content of the tube, the warrant/ guarantee of II tube should be minimum 05 years.</p>		
65.	RFP Page No 16, Part II, 42 Quality Assurance Instructions & Technical Evaluation Plan	In order to ensure reliability of II tubes to the maximum extent possible, it is important to test the II tubes separately also for all the listed parameters. This will help establish to a large extent if the II tube or its components are refurbished or from the grey market.	CD-4 DGQA	CoC is generally obtained from OEM for II tube Parameters alongwith NABL/Govt accredited lab test reports. CoC should support Functional, Climatic & durability tests as per relevant table of JSS-5855-11-2019 (Rev-1). The EUT will be trial evaluated during the FET as per Trial Directive for all technical and operational parameters.
66.	RFP Page No 23, Para ref. 11 (a) Environmental and Durability Tests	The II tubes should also undergo environmental testing as per Mil 49052 F Standards, in order to ensure to the maximum extent possible the reliability of the II tubes, that the II tubes are not refurbished or from the grey market.	DGQA	
<b><u>M/s MKU Limited</u></b>				

Ser No	RFP Ref	Question	Response provide by	Response
67.	Appendix A, Para 4 Reticle Pattern	Since the Human sizes may vary, hence we request the human target size be defined.	CD-4	For trials human target of size 180 cm will be considered.
68.	Appendix A, Para 3 Zeroing	We request that Smallest Correction of 1 MOA is critical to the operation of the equipment and hence, test method be given to evaluate for adjustment of 1 MOA.	CD-4	Zeroing will be conducted at 100m. Firer selects the POA and rounds should be within 1.5 cm radius of the circle. After 1 MOA correction, the fire should be within 1.5 cm circle.
69.	Appendix A, Para 9 Battery Status Display	We wish to inform you that in night vision devices there is no display used, instead there are LED indicators for low battery indication. We request that Battery Status display be replaced by LED indicators for low battery inside FOV.	Inf Dte	As per RFP parameters. No change. Vendors may use LED to depict low battery indication.
70.	Appendix A, Para 10 Length of Night Sight II	We understand that the length of the sight will be measured without objective lens cap and eye guard. Kindly confirm.	Inf Dte	Length of Night Sight will be measured without Dust Cap/ OG Cover and Eye Guard.
71.	Appendix A, Para 6(g) Dark Spots	1. We understand that the dark spot table applies to II tube. Kindly Confirm.  2. We understand that the Military standard for II tube parameter testing is "MIL-PRF-49052F" instead of Mil Std 49052F. Please confirm.	DGQA	The dark spot table is related to II Tube as per Mil Std, MIL-I-49052F and same will be co-related with the sight during the trials.
72.	Appendix A, Clause 6, Sub Clause {a, b, c, d, e, g}	The parameter enumerated here are critical for the image quality. Mere relying on CoC in this regard will not be suitable. We request all parameters (a, b, c, d, e, g) must be tested at DGQA/IRDE. Kindly confirm.	CD-4 DGQA	As per RFP and Trial Methodology. To be given in Trial Directive.
73.	Appendix A, Clause 6, Sub Clause {f, h, j, k, l}	The parameters enumerated here are critical for the image quality of the system. Mere relying on CoC in this regard will not be suitable. We request all parameters (f, h, j, k, l) must be tested at DGQA/IRDE. Kindly confirm.	CD-4 DGQA	As per RFP and Trial Methodology. To be given in Trial Directive.

Ser No	RFP Ref	Question	Response provide by	Response
74.	Appendix F, Para 1 b (i)	We request that type of repairs and tests envisaged in case of Night Sight (II) for Assault Rifle be clarified in order to offer a comprehensive solution wrt SMT, jig, tools, fixture, test equipment etc. Also, it should be borne in mind that the contractor will be an Indian based company, hence they will have major repair facilities available.	TG EME	As per RFP.  Further details will be clarified during MET.
<b><u>M/s Tata Adv Sys Ltd</u></b>				
75.	Appendix 'A' – Essential Parameters- 'A' Page 21 of RFP <b>Point No. 4</b> <b>Reticle pattern:</b>	We request clarity that when the maximum detection range requirement of the sight is 600 meter, then why the reticle with range estimation till 800 meters has been asked? <b>Reticle verticality:</b> value has not been mentioned. The Reticle verticality is a very important parameter of the weapon sight and ideally the Reticle should be straight with a maximum tolerance of $\pm 30$ sec allowed	Inf Dte /DGQA	Op necessity dictates requirement for range estimation till 800m. Range estimation will be checked from 100 m onwards upto 800m.  Reticle verticality tolerance of $\pm 30$ arc sec will be checked during DGQA evaluation.
76.	Appendix 'A' – Essential Parameters-'A' Page 22 of RFP <b>Point no. 6(f)</b> <b>System gain:</b>	Please clarify if this range in gain value is required to be achieved through a manual gain adjustment on the sight or is Automatic Gain Control feature also OK?	Inf Dte	Automatic Gain Control.
77.	Appendix 'A' – Essential Parameters-'A' Page 22 of RFP <b>Point No. 6(k)</b> <b>Diopter adjustment:</b>	This range may not be sufficient for those whose power is beyond $\pm 3D$ and we recommend minimum diopter value of $\pm 4D$ .	Inf Dte	As per RFP parameters. No change.

Ser No	RFP Ref	Question	Response provide by	Response
78.	Appendix 'A' – Essential Parameters-'A' Page 22 of RFP <b>Point No. 6(I)</b> <b>Eye relief:</b>	Since it is a weapon sight mounted on a weapon and while firing the weapon has a recoil it is highly recommended that minimum value of eye relief is provided. Otherwise, some vendors to meet FOV values may give very insignificant eye relief which can hurt the firer but still comply on paper. Hence, we recommend minimum value of 30 mm.	Inf Dte	Eye Relief should be adequate to enable use of Night Sight while firing without any adverse effect on firer due to recoil of the weapon.  It will be evaluated as such in trials.
79.	Appendix 'A' – Essential Parameters-'A' Page 22 of RFP <b>Point No.7(d)</b> <b>Focus adjustment</b>	It is important to mention minimum object focus distance value and we would recommend a minimum object focus distance of 20 meters	Inf Dte	Minimum Focusing range: from 25 meters to infinity.
80.	Appendix 'A' – Essential Parameters-'A' Page 23 of RFP <b>Point No.9</b> <b>Battery status display</b>	Is this is required in the Weapon Sight as a low battery indication, or it is required in the battery charger as a percentage of charging or full charging indication?	Inf Dte	Low battery indication is required in the weapon sight.
81.	Appendix-C, Para 2, Page 25 of RFP	Kindly confirm, whether Installation and commissioning of Equipment's & SMT/STE's will be carried out by Seller or Buyer.	TG EME	Fully seller's responsibility
82.	Appendix H, Para 1.4.2, Page 48 of RFP	Kindly confirm the timeline for issuance an inspection note by buyer designated inspection agency after the receipt of stores at consignee location.	DGQA	As per RFP and DAP 2020.

<b>Ser No</b>	<b>RFP Ref</b>	<b>Question</b>	<b>Response provide by</b>	<b>Response</b>
83.	Appendix H, Para 1.4.3, Page 49 of RFP	Kindly confirm the timelines for JRI after receipt of stores at consignee location.	DGQA	As per RFP and DAP 2020.
84.	Appendix H, Para 1.4.6, Page 49 of RFP Appendix-J, Para 2 (Note), page 66 of RFP	As we do not have any control on taxes & duties levied by the Govt. Hence any increase or decrease in the taxes should be on account of the Buyer at actuals. Please confirm.	ADG Acqn Tech (Army)	As per RFP Appendix H, Para 1,4,6 and DAP 2020.
85.	Appendix J, Para 1.3, Page 64 of RFP	Is Nigh Sight (II) exempt from custom duty under existing customs notifications? Kindly confirm.	ADG Acqn Tech (Army) MoD (Fin)	As per extant customs notifications of Gol.
86.	Appendix J, Para 2, Page 66 of RFP	Kindly Confirm, The cost of RIPL will be part of L1 determinations or not.	ADG Acq Tech (Army) MoD (Fin)	Not applicable as LCSC not desired in the instant case.
87.	Appendix J, Para 3, Page 66 of RFP	As mentioned in this para, the total cost at Row N of the price bid format.... Kindly re-confirm the Row number in price bid format, since the Row N is not available in price bid format of RFP.	RFP Cell	Total Cost (Total of Serial A to K).  Note 2 (word Row L)
88.	Annexure I to Appendix K, Para 8(e), page 75 of RFP	Kindly confirm, the exact period for validity of EMD BG, since the EMD BG cannot have the conditional dates for Validity of BG. However, the bidders will extend the EMD BG validity time to time as required by the Buyer.	ADG Acqn Tech (Army)	As per RFP. Refer Para 8 (e) validity of EMD in Annexure I to Appendix K of RFP.
<b><u>M/s L3HARRIS</u></b>				
89.	-	Please clarify how much reduction in FOM is acceptable at End of Life, ie. <20%, <40%, <60% or <80%	Inf Dte	Deterioration Rate of FOM will be acceptable as per International Standards and will be evaluated as per MIL STD 49052F and as per various evaluation procedures given out in DAP 2020

